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PUBLICATIONS

OF THE

UNITED STATES NAVAL OBSERVATORY.

SECOND SERIES.

VOLUME IX.

IN FOUR PARTS, WITH APPENDIX.

PARTS III, IV,
AND
APPENDIX.

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1918.

U. S. NAVAL OBSERVATORY.

Captain J. A. Hoogewerff, *U. S. N., Superintendent.*

ASTRONOMICAL COUNCIL.

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Assistant Astronomer G. A. Hill.
Assistant Astronomer J. C. Hammond.
Assistant Astronomer H. R. Morgan.

DEPARTMENT OF ASTRONOMICAL OBSERVATIONS.

REDUCTION OF NINE-INCH TRANSIT CIRCLE OBSERVATIONS, 1903–1911.

Prof. William S. Eichelberger, *U. S. N., in charge.*

DIVISION OF PHOTOGRAPHIC ZENITH TUBE AND ALT-AZIMUTH.

Prof. Frank B. Littell, *U. S. N., in charge.*
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March, 1917.

PREFACE.

The observations contained in Volume IX, Part III, were made under the direction of Prof. F. B. Littell, United States Navy, and reduced under the direction of Prof. W. S. Eichelberger, United States Navy.

The observations contained in Volume IX, Part IV, were made under the direction of Prof. Littell and reduced under the direction of Assistant Astronomer H. R. Morgan.

The observations contained in the Appendix to Volume IX were reduced under the direction of Prof. Littell, with whom was associated Assistant Astronomer G. A. Hill. After the preparation of the printer's copy was finished the volume was examined and approved by the executive committee of the astronomical council. The first type proof has been read from the original records. All proofs beyond the first have been read only to insure insertion of the corrections desired, except that in the plate proof the final results have been read entire.

J. A. Hoogewerff,
Captain, U. S. N., Superintendent.

March, 1917.

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ERRATA.

VOLUME FOR 1871, APPENDIX II.

Page 30, second column, B. A. C. 5929: For $17^{h}\,26^{m}\,59^{s}.52$ read $17^{h}\,25^{m}\,59^{s}.52$.

VOLUME FOR 1884, APPENDIX I.

Page 188, No. 7439, fourth column: For $17^{h}\,26^{m}\,59^{s}.60$ read $17^{h}\,25^{m}\,59^{s}.60$.

VOLUME II, SECOND SERIES.

Page 130, No. 44, eleventh column: For III $45^{r}.960$ read $44^{r}.960$.
thirteenth column: For $-16°50'13''.86$ read $-16°49'54''.82$.

VOLUME VI, SECOND SERIES.

Page A 17, line 7, second column: For $10^{h}\,46^{m}\,15^{s}$ read $11^{h}\,46^{m}\,15^{s}$.
Page A 19, line 7, third column: For 102°.26 read 192°.25.
fifth column: For 26″.94 read 28″.95.
Page A 26, line 20, fifth column: For 42″.22 read 76″.99.
Page A 44, line 25, third column: For 275°.28 read 276°.28.
Page B 94, five lines from bottom of page: For $\sin_3\theta =$ read $\sin 3\theta =$.
Page A 134, line 9, second column: Skinner 14. This is B. D. −15°3072.
Page A 137, β 600 (A, B, and C). The distances are in error by ½ rev. = 4″.97.

VOLUME VII, SECOND SERIES.

Page 453, No. 19827, fifth column: For $30^{h}\,38^{m}\,7^{s}.37$ read $20^{h}\,38^{m}\,7^{s}.37$.
Page 537, No. 22754, seventh column, second line: For Tr. read Mer.

VOLUME IX, PART II, SECOND SERIES.

Page B 3, No. 32, second column	For B. D. −13°6095 read B. D. −13°6085.
B 5, No. 17, second column	
B 255, No. 26, second column	
B 515, No. 3, second column	
Page B 16, No. 24, second column	For B. D. +15°123 read B. D. +16°123.
B 18, No. 50, second column	
B 25, No. 25, second column	
B 281, No. 1, second column	
B 532, No. 43, second column	
Page B 18, No. 57, second column	For B. D. −8°245 read B. D. −8°246.
B 25, No. 32, second column	
B 36, No. 49, second column	
B 267, No. 32, second column	
B 532, No. 51, second column	
Page B 28, No. 48, second column	For B. D. +10°293 read B. D. +10°292.
B 31, No. 4, second column	
B 262, No. 39, second column	
B 526, No. 52, second column	
Page B 53, No. 4, second column	For B. D. +15°449 read B. D. +15°499.
B 56, No. 56, second column	
B 292, No. 9, second column	
B 423, No. 22, second column	
Page B 119, No. 2, second column	For B. D. +9°2458 read B. D. +9°2452.
B 120, No. 38, second column	
B 325, No. 3, second column	
B 468, No. 25, second column	
Page B 124, No. 24, second column	For B. D. +18°2191 read B. D. +18°1991.
B 135, No. 3, second column	
B 312, No. 52, second column	
B 447, No. 1, second column	
Page B 170, No. 9, second column	For C. P. D. −29°5649 read C. P. D. −29°4649
B 180, No. 27, second column	
B 497, No. 40, second column	
B 556, No. 10, second column	

Page B 171, No. 62, second column.....
B 173, No. 50, second column.....
B 354, No. 26, second column.....
B 464, No. 41, second column.....
For C. P. D. −25°5690 read C. P. D. −25°5691.

Page B 206, No. 6, ninth column: For +6″.10 read +6″.49.
thirteenth column: For −19° 17′ 54″.2 read −19° 17′ 53″.8.
No. 7, ninth column: For +6″.10 read +6″.42.
thirteenth column: For +25° 28′ 34″.7 read +25° 28′ 35″.0.
No. 8, ninth column: For +6″.10 read +6″.39.
thirteenth column: For +12° 39′ 49″.6 read +12° 39′ 49″.9.
No. 9, ninth column: For +6″.10 read +6″.36.
thirteenth column: For +62° 19′ 5″.3 read +62° 19′ 5″.6.
No. 10, ninth column: For +6″.10 read +6″.32.
thirteenth column: For +57° 43′ 46″.0 read +57° 43′ 46″.2.
No. 11, ninth column: For +6″.10 read +6″.29.
thirteenth column: For −8° 15′ 22″.6 read −8° 15′ 22″.4.
No. 12, ninth column: For +6″.10 read +6″.25.
thirteenth column: For +66° 3′ 6″.0 read +66° 3′ 5″.8.
No. 13, ninth column: For +6″.10 read +6″.22.
thirteenth column: For −0° 30′ 25″.5 read −0° 30′ 25″.4.
No. 14, ninth column: For +6″.10 read +6″.19.
thirteenth column: For −0° 36′ 28″.9 read −0° 36′ 28″.8.
No. 15, ninth column: For +6″.10 read +6″.15.
No. 16, ninth column: For +6″.10 read +6″.12.
No. 17, ninth column: For +6″.10 read +6″.08.
No. 18, ninth column: For +6″.10 read +6″.05.
No. 19, ninth column: For +6″.10 read +6″.02.
No. 20, ninth column: For +6″.10 read +6″.01.
thirteenth column: For +1° 36′ 34″.6 read +1° 36′ 34″.5.
No. 21, ninth column: For +6″.10 read +5″.98.
thirteenth column: For +56° 38′ 20″.1 read +56° 38′ 20″.0.

Page B 207, No. 22, second column.....
B 209, No. 20, second column.....
B 355, No. 4, second column......
B 499, No. 33, second column.....
For B. D. −18°5179 read B. D. −18°5079.

Page B 216, No. 14, ninth column: For +5″.37 read +5″.01.

Page B 222, No. 27, second column.....
B 224, No. 16, second column.....
B 230, No. 60, second column.....
B 509, No. 11, second column.....
For B. D. −11°6020 read B. D. −11°6021.

Page B 225, No. 49, second column.....
B 227, No. 24, second column.....
B 258, No. 52, second column.....
B 511, No. 43, second column.....
For B. D. −12°6195 read B. D. −12°6185.

Page B 225, No. 19, second column.....
B 226, No. 48, second column.....
B 244, No. 14, second column.....
B 508, No. 31, second column.....
For B. D. −12°5808 read B. D. −12°5818.

Page 345, lower right-hand in Def. Ill. Corr. column, third line: For ... read 0.0.

VOLUME IX, PART III, SECOND SERIES.

Page C 275, No. 21, ninth column: For −2″.88 read +2″.88.

VOLUME IX, PART IV, SECOND SERIES.

Page D vi, after line 10 insert: "The field illumination prism was reversed in its cell, so as to receive light through the clamp pivot in October, 1911. The objective was wet by rain in August, 1912; moisture penetrating between the lenses. It was taken apart and cleaned by Mr. Lundin in November, 1912. The micrometer screw was bent by the observer on duty April 19, 1913, so that observations were discontinued."

PART III.

OBSERVATIONS

MADE WITH THE

NINE-INCH TRANSIT CIRCLE,

1908-1911,

UNDER THE DIRECTION OF

F. B. LITTELL.

REDUCED UNDER THE DIRECTION OF

W. S. EICHELBERGER.

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OBSERVATIONS AND REDUCTIONS	C 1

INTRODUCTION.

From September 3, 1903, to April 11, 1911, the 9-inch transit circle was devoted to the observation of the stars contained in GILL's Zodiacal Catalogue of 2,798 Stars,[1] in HEDRICK's Catalogue of Zodiacal Stars,[2] and in NEWCOMB's Suggested List of Fundamental Stars,[3] and to the observation of the Sun, Moon, planets, and a few miscellaneous stars.

The observations from September 3, 1903, to September 30, 1908, which were made under the direction of Prof. W. S. EICHELBERGER, United States Navy, are given in Volume IX, Part II, Publications of the United States Naval Observatory, Second Series; those from October 1, 1908, to April 11, 1911, which were made under the direction of Prof. F. B. LITTELL, United States Navy, are given in the following pages, forming Volume IX, Part III.

The reductions were all made under the direction of Professor EICHELBERGER, and the various steps of the routine reductions, as far as through the apparent right ascension and declination, are given with the observations.

The right ascensions, as given here, depend upon clock and azimuth stars whose positions were taken from NEWCOMB's Catalogue of Fundamental Stars.[3] In the derivation of the observed clock corrections, however, the following corrections are applied to NEWCOMB's right ascensions to allow for the effect of the screens used in observing:

	s
For stars whose magnitudes lie between 6.0 and 4.1	+0.02
For stars whose magnitudes lie between 4.0 and 1.6	+0.03
For stars whose magnitudes are brighter than 1.5	+0.05

and in forming the adopted clock correction for the night, in order to eliminate the effect of the relative personal equations of the various observers, the observed corrections are first reduced to one of the observers adopted as a standard for one or more years at a time.

The zenith distances similarly are obtained from nadir observations and are reduced with the Pulkowa refraction tables as given in Publications of the United States Naval Observatory, Volume IV, Appendix II. The declinations are obtained by assuming the latitude of the transit circle to be $+38^\circ\ 55'\ 14''.1$. No corrections have been applied for division error, flexure, or variation of latitude.

---

[1] Catalogue of 2,798 Zodiacal Stars for the Epoch 1900, arranged for differential observations of the planets.

[2] Astronomical Papers Prepared for the Use of the American Ephemeris and Nautical Almanac, Volume VIII, Part III.

[3] Astronomical Papers Prepared for the Use of the American Ephemeris and Nautical Almanac, Volume VIII, Part II.

In Volume IX, Part I, will be found a description of the instrument and accessories and of the methods of observation and reduction, the various instrumental investigations and discussions of the observations with the resulting corrections, the various reduction tables, and the definitive results both for the individual observations and in catalogue form.

EXPLANATION OF THE PRINTED OBSERVATIONS AND REDUCTIONS (PP. C 1–C 290).

The first column gives the number on the page for convenience of reference.

The second column gives the astronomical date, the designation of the observer, and the name of the object observed. The day is assumed to commence with the transit of the Sun. The observers are designated as follows:

L.=F. B. Littell.
M.=H. R. Morgan.
P.=J. Pawling.

The names of the stars contained in Newcomb's Suggested List of Fundamental Stars are taken from that list except when only the constellation name is given there; in that case the catalogue name and number suggested by Newcomb in the column "Remarks" is used. For the other stars the Bonner Durchmusterung numbers are used as far as they are available, and the numbers of the Cape Photographic Durchmusterung for the remainder.

The third column gives the number of threads over which transits were taken.

The fourth column gives the mean of the times of transit over the threads observed reduced to mean thread, the hour being omitted. The standard mean thread was the mean of the nine threads b_1 to b_9. In connection with the unsymmetrical observations of the Sun, Moon, and planets, the correction for motion is included.

The fifth column gives the value of $m+n \tan \delta+c \sec \delta$ in Bessel's formula for reducing transit observations. In the case of the Moon this column includes also the correction for the motion of the Moon while passing from the mean thread to the true meridian.

The sixth column gives the clock correction. Those corrections printed in heavy-face type are the observed corrections, and the remaining ones are the adopted corrections used in reducing the right ascensions. Quantities inclosed in brackets were not used in deriving the adopted clock correction.

The seventh column gives the circle reading, the seconds being the mean of the readings of the four microscopes, except in the comparatively few cases indicated by notes, when it gives either the mean of two opposite microscopes or the mean of two independent readings of the four.

The eighth column gives the mean of the readings of the zenith distance micrometer for the bisections made at Threads II and VI, unless otherwise specified at the bottom of the page.

The ninth column gives the zenith point correction obtained from the nadir observations, as explained in the Introduction to Volume IX, Part I.

The tenth column gives the correction for refraction computed from the Pulkowa refraction tables.

The eleventh column gives the apparent right ascension, i. e., the sum of the quantities in the fourth, fifth, and sixth columns, substituting in the sixth column the adopted clock correction where an observed one is given.

The twelfth column gives, for the Sun, Moon, and planets where the center was not observed, the correction necessary to reduce the observed apparent right ascension to the apparent right ascension of the center, and, for each non-ephemeris star, the correction necessary to reduce the apparent right ascension to the mean right ascension for the beginning of the year.

The thirteenth column gives the apparent declination, derived by combining the assumed latitude with the following six quantities: the three contained in the seventh, ninth, and tenth columns, that in the eighth transferred into arc, the reduction to meridian, and the correction for inclination and distance of the zenith distance threads. In connection with the unsymmetrical observations of the Sun, Moon, and planets the correction for motion is included.

The fourteenth column gives, for each non-ephemeris star, the correction necessary to reduce the apparent declination to the mean declination for the beginning of the year.

At the bottom of each page, in the left-hand corner, are found the meteorological data; in the right-hand corner, the details of the correction in declination for parallax, semidiameter, and defective illumination for the observations of the Sun, Moon, and planets to reduce the observed apparent declination to the apparent geocentric declination of the center; and in the center of the page, various notes referred to the proper star by the reference number.

NINE-INCH TRANSIT CIRCLE.

OBSERVATIONS AND REDUCTIONS.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 6, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	51 H. Cephei s. p.	9	57 47.56	+ 6.42	− 1.59	53 47 48.92	46.924	− 6.28	+1 17.8	6 57 52.39	.....	+87 11 18.9	....
2	λ Ursæ Minoris	9	13 13.50	−18.62	− 1.59	49 59 47.05	47.153	− 6.37	+1 8.0	19 12 53.29	.....	+89 0 32.8	....
3	μ Aquilæ	9	29 39.26	− 0.56	**− 1.58**	328 13 48.80	42.852	− 6.46	− 35.3	19 29 37.11	.....	+ 7 11 14.2	....
4	β Sagittæ	9	36 58.49	− 0.56	**− 1.60**	338 17 50.15	44.458	− 6.51	− 22.7	19 36 56.34	.....	+17 16 4.8	....
5	γ Aquilæ	9	41 56.69	− 0.56	**− 1.55**	331 25 48.95	43.630	− 6.54	− 31.0	19 41 54.54	.....	+10 23 36.3	....
6	α Aquilæ	9	46 21.32	− 0.56	**− 1.56**	329 39 47.68	44.250	− 6.56	− 33.3	19 46 19.17	.....	+ 8 37 46.9	....
7	τ Aquilæ	9	59 42.43	− 0.56	**− 1.56**	328 3 49.05	43.162	− 6.64	− 35.5	19 59 40.28	.....	+ 7 1 21.1	....
8	θ Aquilæ	9	6 37.32	− 0.58	**− 1.57**	319 57 49.78	41.535	− 6.68	− 47.9	20 6 35.15	.....	− 1 5 27.7	....
9	α^2 Capricorni	9	13 1.10	− 0.62	**− 1.60**	308 11 48.85	47.358	− 6.72	−1 12.3	20 12 58.89	.....	−12 49 40.0	....
10	Moon I, S.	9	32 33.82	− 0.66	− 1.60	305 57 48.95	44.816	− 6.77	−1 18.9	22 32 31.56	+70.96	−15 4 44.8	....
11	Saturn I, C.	5	27 1.89	− 0.62	− 1.60	321 1 50.10	50.549	− 7.52	− 46.7	0 26 59.67	+ 0.71	+ 0 0 23.7	....
12	Saturn II	5	27 3.30	− 0.62	− 1.60	... .	......	....	. ....	0 27 1.08	− 0.70	.. ..	....
	October 6, L.												
13	212 G. Eridani	9	16 42.48	− 0.66	− 1.63	300 11 48.35	44.538	− 8.30	−1 39.2	4 16 40.19	− 1.95	−20 51 13.4	−16.7
14	υ^7 Eridani	9	32 2.68	− 0.74	− 1.63	290 17 49.00	48.325	− 8.30	−2 35.1	4 32 0.31	− 1.84	−30 44 42.1	−18.2
15	258 G. Eridani	9	36 21.47	− 0.69	− 1.63	296 23 47.80	44.810	− 8.30	−1 56.2	4 36 19.15	− 1.84	−24 39 24.7	−17.2
16	μ Eridani	9	40 58.25	− 0.57	**− 1.61**	317 35 49.05	47.982	− 8.30	− 52.8	4 40 56.05	.....	− 3 25 7.6	....
17	π^5 Orionis	9	49 31.66	− 0.55	**− 1.61**	323 19 50.52	44.265	− 8.30	− 43.1	4 49 29.48	.....	+ 2 17 38.6	....
18	ζ Aurigæ	9	56 7.46	− 0.56	− 1.63	1 57 52.38	44.560	− 8.30	+ 2.0	4 56 5.27	.....	+40 56 32.1	....
19	ε Leporis	9	1 38.00	− 0.66	− 1.63	298 33 46.82	44.502	− 8.30	−1 46.0	5 1 35.71	.....	−22 29 22.5	....
20	β Orionis	9	10 10.97	− 0.58	**− 1.62**	312 43 48.82	45.555	− 8.30	−1 2.7	5 10 8.76	.....	− 8 18 13.2	....
21	12 G. Columbæ	9	15 47.59	− 0.70	− 1.63	293 35 48.70	45.285	− 8.30	−2 11.8	5 15 45.26	− 1.60	−27 27 28.6	−17.1
22	η Orionis (*mean*)	9	19 55.00	− 0.56	− 1.63	318 33 49.02	43.842	− 8.30	− 51.1	5 19 52.81	− 1.79	− 2 28 40.6	−10.2
23	74 B. Camelopardalis	9	27 33.17	− 1.27	− 1.63	35 59 53.28	43.702	− 8.30	+ 42.3	5 27 30.27	.....	+74 58 53.3	....
24	f Draconis s. p.	8	32 19.33	+ 0.78	− 1.63	72 45 54.38	45.815	− 8.30	+3 5.8	17 32 18.48	+ 1.36	+68 11 53.1	−17.5
25	α Columbæ	9	36 22.88	− 0.76	− 1.63	286 57 48.90	43.592	− 8.30	−3 7.5	5 36 20.49	.....	−34 7 2.7	....
26	κ Orionis	9	43 27.44	− 0.58	**− 1.67**	311 19 49.05	46.612	− 8.30	−1 5.8	5 43 25.23	.....	− 9 41 52.1	....
27	δ Leporis	6	47 25.72	− 0.64	− 1.63	300 9 48.78	45.380	− 8.30	−1 39.4	5 47 23.45	− 1.46	−20 52 54.1	−14.9
28	θ Aurigæ	9	53 31.19	− 0.54	− 1.63	358 13 49.22	44.522	− 8.30	− 1.7	5 53 29.02	.....	+37 12 24.4	....
29	1 Geminorum	9	58 35.73	− 0.51	**− 1.68**	344 18	......	....	. ....	5 58 33.59	.....	+23 16	....
30	24 Ursæ Minoris s. p.	7	4 29.12	+ 5.75	− 1.63	53 59 46.50	45.315	− 8.30	+1 20.0	18 4 33.24	+14.97	+86 59 58.3	−18.2
31	k Orionis	9	11 20.49	− 0.51	− 1.63	333 19 49.62	44.618	− 8.30	− 29.1	6 11 18.35	− 1.64	+12 17 59.7	− 4.1
32	β Canis Majoris	9	18 42.56	− 0.62	**− 1.71**	303 7 48.32	46.395	− 8.30	−1 28.6	6 18 40.31	.....	−17 54 20.4	....
33	ν Geminorum	9	23 33.85	− 0.50	**− 1.63**	341 17 49.40	45.048	− 8.30	− 19.6	6 23 31.72	.....	+20 16 18.8	....
34	23 H. Camelopardalis	9	30 41.66	− 1.77	− 1.63	40 39 51.28	45.525	− 8.30	+ 50.0	6 30 38.26	.....	+79 39 41.0	....
35	51 H. Cephei	9	58 1.28	− 6.26	− 1.63	48 11 51.00	44.097	− 8.30	+1 5.0	6 57 53.39	.....	+87 11 23.3	....
	October 7, L.												
36	Sun I, N.	9	50 33.23	− 0.54	− 1.64	315 45 49.92	45.960	− 7.84	− 54.7	12 50 31.05	+64.67	− 5 15 54.5	....
37	Sun II, S.	9	52 42.56	− 0.54	− 1.64	315 13 49.78	45.782	− 7.84	− 55.7	12 52 40.38	−64.66	− 5 47 59.5	....
38	Mercury I, C.	9	23 24.71	− 0.62	− 1.65	303 31 48.22	44.560	− 6.66	−1 24.4	14 23 22.44	+ 0.24	−17 30 56.7	....
39	51 H. Cephei s. p.	9	57 47.94	+ 6.99	− 1.66	53 47 50.12	46.910	− 6.82	+1 17.2	6 57 53.27	.....	+87 11 19.5	....
40	λ Ursæ Minoris	5	13 12.22	−20.23	− 1.66	49 59 50.40	46.997	− 6.82	+1 7.5	19 12 50.33	.....	+89 0 32.8	....
41	δ Aquilæ	9	20 55.18	− 0.58	**− 1.64**	323 57 49.65	45.258	− 6.82	− 41.1	19 20 52.94	.....	+ 2 56 3.9	....
42	μ Aquilæ	9	29 39.38	− 0.57	**− 1.70**	328 11 49.78	48.080	− 6.82	− 35.0	19 29 37.15	.....	+ 7 11 14.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 18 53	30.036	62.0	60.7
19 11	......	....	60.0
19 33	30.040	60.5	59.1
19 50	......	....	59.1
20 15	30.047	59.9	58.8
22 30	30.052	57.0	56.0
22 35	......	....	56.0
0 29	30.032	54.0	52.3
4 18	29.990	52.0	50.1
4 35	......	....	50.1
4 47	......	....	50.3
5 2	......	....	50.3
5 14	......	....	50.3
5 30	29.996	51.9	50.2
5 37	......	....	50.3
5 51	......	....	50.2
6 12	......	....	50.0
6 35	29.994	51.6	50.0
7 2	29.998	51.5	50.0
7 12 53	29.99	65.0	65.2
14 24	29.948	66.5	65.7
18 52	29.910	64.1	63.2
19 22	......	....	61.4

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at b_1, b_5, b_6, b_7, b_9.
2. Bisections at b_1, b_3, b_5, b_7, b_9.
10. Bisections at II, III, IV, V, VI.
11. Z. D. threads C used.

11, 38. Bisections at I, II, VI, VII.

24, 34. Bisections at III, V.

26, 27, 37. Bisections at VI, VII.

30. Bisections at b_4, b_6.

35, 39, 40. Bisections at b_4, b_5, b_6.

36. Bisections at I, II.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+48 48.6	+16 31.6	...	+65 20.2
11	+ 0.6	.. ....	...	+ 0.6
36	+ 6.1	−16 2.4	...	−15 56.3
37	+ 6.2	+16 2.5	...	+16 8.7
38	+ 7.7	.. ....	− 0.6	+ 7.1

Notes.

22. Assumed that mean was observed.

24. Micrometer reading increased 2 rev.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Sagittæ	9	36 58.58	− 0.57	− **1.70**	338 17 51.40	44.382	− 6.82	− 22.5	19 36 56.35	.....	+17 16 4.2	....
2	γ Aquilæ	9	41 56.82	− 0.57	− **1.69**	331 23 49.70	48.818	− 6.82	− 30.8	19 41 54.59	.....	+10 23 35.5	....
3	α Aquilæ	9	46 21.41	− 0.57	− **1.66**	329 39 49.10	44.172	− 6.82	− 33.1	19 46 19.18	.....	+ 8 37 46.5	....
4	τ Aquilæ	9	59 42.48	− 0.57	− **1 62**	328 1 50.05	48.335	− 6.82	− 35.3	19 59 40.25	.....	+ 7 1 20.4	....
5	θ Aquilæ	9	6 37.48	− 0.58	− **1.75**	319 55 49.38	46.798	− 6.82	− 47.6	20 6 35.24	.....	− 1 5 27.7	....
6	Moon I, S	9	31 21.64	− 0.65	− 1.66	311 37 49.52	45.120	− 7.55	−1 4.2	23 31 19.33	+69.67	− 9 24 23.4	....
7	Saturn I, C	7	26 44.94	− 0.60	− 1.67	320 59 50.32	51.009	− 7.55	− 46.2	0 26 42.67	+ 0.63	− 0 1 25.1	....
8	Saturn II	7	26 46.21	− 0.60	− 1.67	... .	......	....	. ....	0 26 43.94	− 0.64	.. ..	....
	October 7, M.												
9	π⁵ Orionis	9	49 31.58	− 0.54	− **1.52**	323 19 48.68	44.260	− 7.58	− 42.7	4 49 29.48	.....	+ 2 17 37.9	....
10	57 H¹. Camelopardalis	9	53 11.56	− 1.19	− 1.56	34 55 50.82	46.335	− 7.58	+ 40.3	4 53 8.81	− 5.50	+73 55 50.2	+10.0
11	η Aurigæ	9	0 8.38	− 0.56	− 1.56	2 7 50.88	44.910	− 7.58	+ 2.2	5 0 6.26	.....	+41 6 39.5	....
12	μ Aurigæ	9	7 12.47	− 0.54	− 1.56	359 23 49.60	44.865	− 7.58	− 0.5	5 7 10.37	.....	+38 22 34.6	....
13	β Orionis	9	10 10.93	− 0.58	− **1.56**	312 43 46.82	45.585	− 7.58	−1 2.1	5 10 8.79	.....	− 8 18 13.0	....
14	τ Orionis	9	13 12.21	− 0.57	− **1.49**	314 5 46.78	45.080	− 7.58	− 59.2	5 13 10.08	.....	− 6 56 22.1	....
15	η Orionis (*mean*)	9	19 54.98	− 0.55	− 1.56	318 33 46.55	43.875	− 7.58	− 50.7	5 19 52.87	− 1.82	− 2 28 41.2	−10.2
16	φ¹ Orionis	9	29 50.18	− 0.52	− 1.56	330 27 47.60	44.328	− 7.58	− 32.6	5 29 48.10	− 1.86	+ 9 25 48.3	− 6.7
17	σ Orionis	9	34 11.48	− 0.55	− 1.56	318 21 47.22	48.380	− 7.58	− 51.0	5 34 9.37	− 1.72	− 2 38 57.9	−10.3
18	κ Orionis	9	43 27.34	− 0.58	− **1.54**	311 19 46.60	46.625	− 7.58	−1 5.3	5 43 25.20	.....	− 9 41 52.9	....
19	δ Leporis	9	47 25.59	− 0.64	− 1.56	300 9 45.45	45.412	− 7.58	−1 38.6	5 47 23.39	− 1.49	−20 52 55.0	−14.9
20	139 Tauri	9	52 21.20	− 0.51	− 1.56	346 57 48.92	45.568	− 7.58	− 13.3	5 52 19.13	− 1.96	+25 56 37.2	− 0.2
21	δ Ursæ Minoris s. p.	8	1 38.70	+ 5.02	− 1.56	54 21 46.88	47.563	− 7.58	+1 20.4	18 1 42.16	.....	+86 37 5.4	....
22	Groombridge 1004	9	11 59.56	− 5.37	− 1.56	47 45 47.02	43.883	− 7.58	+1 3.5	6 11 52.63	−16.05	+86 45 13.1	+17.6
23	8 Monocerotis	9	18 57.23	− 0.52	− **1.53**	325 39 46.40	46.605	− 7.58	− 39.3	6 18 55.15	.....	+ 4 38 32.4	....
24	ν Geminorum	9	23 33.82	− 0.50	− **1.57**	341 17 49.02	44.980	− 7.58	− 19.5	6 23 31.76	.....	+20 16 17.7	....
25	51 Aurigæ	8	32 21.13	− 0.53	− 1.56	0 29 49.00	44.118	− 7.58	+ 0.6	6 32 19.04	.....	+39 28 18.1	....
26	S Monocerotis	9	35 58.32	− 0.51	− **1.57**	330 59 48.22	47.350	− 7.58	− 31.9	6 35 56.25	.....	+ 9 58 58.6	....
	October 8, M.												
27	Sun I, S	7	54 12.63	− 0.55	− 1.57	314 51 49.75	43.402	− 7.29	− 56.4	12 54 10.51	+64.66	− 6 10 54.3	....
28	Sun II, N	9	56 21.95	− 0.55	− 1.57	315 23 48.85	43.510	− 7.29	− 55.4	12 56 19.83	−64.66	− 5 38 51.5	....
29	Mercury I, C	9	26 31.03	− 0.61	− 1.58	303 11 45.82	46.869	− 6.96	−1 24.8	14 26 28.84	+ 0.25	−17 50 6.9	....
30	51 H. Cephei s. p.	9	57 49.17	+ 6.55	....	53 47 46.68	47.118	− 6.30	+1 16.6	6 57	.....	+87 11 18.3	....
31	λ Ursæ Minoris	6	13 10.73	−19.02	....	49 59 47.40	47.145	− 6.30	+1 6.8	19 12	.....	+89 0 33.0	....
32	β Cygni	5	27 3.96	− 0.57	− **1.59**	348 48	......	....	. ....	19 27	.....	+27 46	....
33	α Aquilæ	9	46 21.35	− 0.56	− **1.62**	329 40	......	....	. ....	19 46	.....	+ 8 37	....
	October 11, M.												
34	Moon II	9	18 31.93	− 0.49	− 1.73	335 38	......	....	. ....	3 18 29.71	−68.83	.. ..	....
35	ν Persei	9	39 1.74	− 0.51	− 1.73	3 17 50.05	46.935	− 8.26	+ 3.4	3 38 59.50	.....	+42 17 25.6	....
36	η Tauri	7	42 5.68	− 0.48	− **1.77**	344 49 49.30	47.830	− 8.26	− 15.6	3 42 3.47	.....	+23 49 26.3	....
37	γ Eridani	9	53 48.71	− 0.58	− **1.71**	307 15 45.10	47.058	− 8.26	−1 15.6	3 53 46.40	.....	−13 45 55.5	....
38	ν Tauri	9	58 20.26	− 0.50	− **1.75**	326 45 46.62	45.888	− 8.26	− 37.7	3 58 18.03	.....	+ 5 44 17.3	....
39	174 G. Eridani	9	1 54.48	− 0.67	− 1.73	293 9 47.00	44.305	− 8.26	−2 13.8	4 1 52.08	− 2.13	−27 53 54.6	−17.2
40	ο¹ Eridani	9	7 26.88	− 0.54	− **1.70**	313 57 47.52	45.028	− 8.26	− 59.7	4 7 24.61	.....	− 7 4 23.3	....
41	A Eridani	9	10 5.56	− 0.56	− 1.73	310 33 46.98	44.285	− 8.26	−1 7.3	4 10 3.27	− 2.15	−10 28 48.6	−14.3
42	212 G. Eridani	9	16 42.66	− 0.62	− 1.73	300 11 46.40	44.600	− 8.26	−1 38.9	4 16 40.31	− 2.07	−20 51 13.5	−16.1
43	ε Tauri	9	23 19.23	− 0.48	− **1.75**	339 59 48.45	46.318	− 8.26	− 21.0	4 23 17.02	.....	+18 58 45.5	....
44	υ⁷ Eridani	9	32 2.83	− 0.70	− 1.73	290 17 47.85	48.434	− 8.26	−2 34.8	4 32 0.40	− 1.98	−30 44 40.4	−17.5

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 19 38	......	....	61.1
19 47	......	....	60.3
20 8	29.908	60.9	60.1
23 33	29.904	57.1	56.1
0 28	29.890	56.2	55.8
4 46	29.84	53.8	52.3
5 3	......	....	52.0
5 26	......	....	51.9
5 47	29.85	53.5	....
6 25	29.85	53.1	51.3
6 41	......	....	51.3
7 3	29.85	52.9	....
8 12 54	29.870	63.0	63.5
14 27	29.84	67.3	67.6
18 49	29.83	66.5	65.4
11 3 35	29.99	55.1	53.4
4 6	......	....	52.8
4 29	30.01	53.8	51.4

Micrometer bisections are made at II, VI, except as noted below.

6. Bisections at II, III, IV, V, VI.
7. Z. D. threads C used.
7, 29, 44. Bisections at I, II, VI, VII.
9, 13, 27, 35, 40. Bisections at I, II.
10. Bisections at III, V.
14, 28. Bisections at VI, VII.
21, 30. Bisections at b_4, b_5, b_6.
22. Bisections at b_5, b_8, b_9.
25. Bisections at II, IV.
31. Bisections at b_5, b_6.
37. Bisections at II, VII.
38. Bisections at I, II, III.
42. Bisections at I, II, VI.

Notes.

9–26. Dense fog.
15. Assumed that mean was observed.
16, 17. Faint; unsteady.
32, 33. Very faint.
44. Poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+45 8.6	+16 33.9	...	+61 42.5
7	+ 0.6	.. ....	...	+ 0.6
27	+ 6.2	+16 1.3	...	+16 7.5
28	+ 6.1	−16 1.4	...	−15 55.3
29	+ 7.8	.. ....	− 0.6	+ 7.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Read-ing.	Zenith Pt. Corr.	Refrac-tion.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	35 B. Camelopardalis.....	9	36 35.89	− 1.18	− 1.73	36 45 48.50	47.782	− 8.26	+ 43.4	4 36 32.98	.....	+75 46 23.3	....
2	o^1 Orionis..............	9	47 24.05	− 0.48	− 1.73	335 7 48.55	44.648	− 8.26	− 26.8	4 47 21.84	− 2.22	+14 6 1.7	− 7.1
3	57 H¹. Camelopardalis....	9	53 11.83	− 1.06	− 1.73	34 55 48.78	46.450	− 8.26	+ 40.6	4 53 9.04	− 5.83	+73 55 50.3	+ 9.4
4	157 H¹. Cephei...........	9	59 28.33	− 3.77	− 1.74	46 49 48.65	46.822	− 8.26	+1 1.9	4 59 22.82	−18.58	+85 50 20.1	+12.1
5	μ Leporis..............	9	8 52.07	− 0.59	− 1.74	304 43 47.02	45.623	− 8.26	−1 23.3	5 8 49.74	− 1.84	−16 18 34.1	−14.3
6	τ Orionis..............	9	13 12.53	− 0.54	− **1.73**	314 5 47.05	45.098	− 8.26	− 59.7	5 13 10.25	.....	− 6 56 22.4	....
7	18 Camelopardalis........	9	24 46.43	− 0.61	− 1.74	18 9 49.98	46.010	− 8.26	+ 19.1	5 24 44.08	− 3.26	+57 9 20.1	+ 7.8
8	19 Camelopardalis........	9	28 26.82	− 0.72	− 1.74	25 5 49.35	46.470	− 8.26	+ 27.3	5 28 24.36	− 3.77	+64 5 38.2	+ 9.9
[illegible]	*f* Draconis S. P..........	9	32 19.07	+ 0.70	− 1.74	72 45 46.75	46.195	− 8.26	+3 5.9	17 32 18.03	+ 1.63	+68 11 52.0	−16.9
10	α Columbæ..............	9	36 23.15	− 0.74	− 1.74	286 57 47.75	43.567	− 8.26	−3 7.7	5 36 20.67	.....	−34 7 4.6	....
11	κ Orionis..............	9	43 27.61	− 0.55	− **1.73**	311 19 47.40	46.620	− 8.26	−1 5.9	5 43 25.32	.....	− 9 41 53.5	....
12	99 B. Camelopardalis.....	9	52 51.73	− 0.78	− 1.74	27 53 48.12	45.990	− 8.26	+ 30.9	5 52 49.21	− 3.79	+66 53 29.5	+12.3
13	24 Ursæ Minoris S. P.....	9	4 28.22	+ 5.08	− 1.74	53 59 47.78	45.248	− 8.26	+1 20.2	18 4 31.56	+17.21	+86 59 57.8	−17.8
14	51 H. Cephei.............	9	58 3.39	− 5.55	− 1.74	48 11 47.92	44.242	− 8.12	+1 5.5	6 57 56.10	.....	+87 11 23.7	....
15	λ Ursæ Minoris S. P.....	7	12 29.76	+15.48	− 1.74	51 59 47.60	44.182	− 8.12	+1 14.9	19 12 43.50	.....	+89 0 27.9	....
	October 12, M.												
16	Sun I, N..............	9	8 55.21	− 0.51	− 1.74	313 51 49.65	46.627	− 8.43	−1 0.5	13 8 52.96	+64.94	− 7 9 46.0	....
17	Sun II, S..............	9	11 5.08	− 0.51	− 1.74	313 19 49.38	46.453	− 8.43	−1 1.6	13 11 2.83	−64.93	− 7 41 51.1	....
18	51 H. Cephei S. P........	8	57 51.66	+ 5.74	− 1.74	53 47 46.90	47.000	− 8.06	+1 19.9	6 57 55.66	.....	+87 11 18.7	....
19	λ Ursæ Minoris..........	7	13 4.81	−16.32	− 1.74	49 59 48.60	47.043	− 8.06	+1 9.8	19 12 46.75	.....	+89 0 33.1	....
20	μ Aquilæ................	9	29 39.26	− 0.46	− **1.78**	328 11 48.28	48.215	− 8.06	− 36.2	19 29 37.06	.....	+ 7 11 13.7	....
21	β Sagittæ...............	9	36 58.46	− 0.45	− **1.80**	338 17 50.45	44.482	− 8.06	− 23.2	19 36 56.27	.....	+17 16 3.6	....
22	γ Aquilæ................	9	41 56.75	− 0.46	− **1.82**	331 23 47.40	48.985	− 8.06	− 31.8	19 41 54.55	.....	+10 23 34.8	....
23	α Aquilæ................	9	46 21.30	− 0.46	− **1.74**	329 39 47.42	44.295	− 8.06	− 34.2	19 46 19.10	.....	+ 8 37 45.3	....
24	τ Aquilæ................	9	59 42.42	− 0.46	− **1.75**	328 1 47.12	48.550	− 8.06	− 36.5	19 59 40.22	.....	+ 7 1 19.9	....
25	θ Aquilæ................	9	6 37.33	− 0.48	− **1.78**	319 55 47.50	46.965	− 8.06	− 49.2	20 6 35.11	.....	− 1 5 28.6	....
26	α^2 Capricorni............	9	13 1.13	− 0.54	− **1.81**	308 11 46.65	47.565	− 8.06	−1 14.2	20 12 58.85	.....	−12 49 40.8	....
27	Saturn I, C............	5	25 21.10	− 0.47	− 1.75	320 51 47.48	49.105	− 8.99	− 48.0	0 25 18.88	+ 0.66	− 0 10 14.7	....
28	Saturn II..............	5	25 22.43	− 0.47	− 1.75	... .	......	....	. ....	0 25 20.21	− 0.67	.. ..	....
	October 12, P.												
29	Moon II, N...........	9	15 16.56	− 0.48	− 1.85	340 7 50.98	48.084	− 9.11	− 21.5	4 15 14.23	−69.31	+19 7 27.0	....
30	57 H¹. Camelopardalis....	9	53 11.99	− 1.18	− 1.85	34 55 50.00	46.392	− 9.26	+ 41.8	4 53 8.96	− 5.92	+73 55 50.4	+ 9.3
31	157 H¹. Cephei...........	9	59 28.78	− 4.40	− 1.85	46 49 51.98	46.591	− 9.26	+1 3.7	4 59 22.53	−18.92	+85 50 18.7	+11.9
32	μ Leporis..............	9	8 52.22	− 0.56	− 1.85	304 43 48.95	45.762	− 9.26	−1 25.7	5 8 49.81	− 1.87	−16 18 32.3	−14.2
33	τ Orionis..............	9	13 12.61	− 0.51	− **1.81**	314 5 49.05	45.185	− 9.26	−1 1.4	5 13 10.25	.....	− 6 56 21.1	....
34	γ Orionis..............	9	20 16.12	− 0.47	− **1.86**	327 17 49.68	45.598	− 9.26	− 38.2	5 20 13.80	.....	+ 6 16 12.1	....
35	18 Camelopardalis........	8	24 46.64	− 0.64	− 1.85	18 9 51.00	45.955	− 9.26	+ 19.7	5 24 44.15	− 3.31	+57 9 19.4	+ 7.8
36	19 Camelopardalis........	9	28 27.11	− 0.77	− 1.85	25 5 49.02	46.448	− 9.26	+ 28.0	5 28 24.49	− 3.83	+64 5 37.0	+ 9.8
37	*f* Draconis S. P..........	9	32 19.16	+ 0.89	− 1.85	72 45 49.15	45.917	− 9.26	+3 11.0	17 32 18.20	+ 1.70	+68 11 51.8	−16.8
38	α Columbæ..............	9	36 23.22	− 0.70	− 1.85	286 57 49.95	43.813	− 9.26	−3 12.8	5 36 20.67	.....	−34 7 2.8	....
39	κ Orionis..............	9	43 27.74	− 0.52	− **1.86**	311 19 50.05	46.675	− 9.26	−1 7.7	5 43 25.37	.....	− 9 41 52.4	....
40	99 B. Camelopardalis.....	[illegible]	52 51.96	− 0.85	− 1.85	27 53 48.32	45.970	− 9.26	+ 31.7	5 52 49.26	− 3.86	+66 53 29.1	+12.2
41	δ Ursæ Minoris S. P.....	8	1 37.75	+ 5.41	− 1.85	54 21 48.12	47.414	− 9.26	+1 23.4	18 1 41.31	.....	+86 37 5.9	....
42	Groombridge 1004.....	9	12 1.56	− 5.64	− 1.85	47 45 49.92	43.707	− 9.26	+1 5.8	6 11 54.07	−18.23	+86 45 12.8	+17.4
43	8 Monocerotis...........	9	18 57.52	− 0.48	− **1.71**	325 39 48.30	46.710	− 9.26	− 40.7	6 18 55.19	.....	+ 4 38 33.5	....
44	ν Geminorum...........	9	23 34.18	− 0.46	− **1.80**	341 17 50.50	45.090	− 9.26	− 20.1	6 23 31.87	.....	+20 16 19.4	....
45	8 Lyncis................	9	29 22.53	− 0.72	− 1.85	22 33 50.72	46.422	− 9.26	+ 24.9	6 29 19.96	.....	+61 33 35.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 4 51	......	....	50.9
5 19	......	....	51.3
5 50	......	....	50.2
6 9	30.07	51.8	49.8
6 54	......	....	48.3
7 13	30.10	50.2	48.0
12 13 11	30.236	53.3	51.8
18 50	30.26	53.3	51.7
19 14	......	...	51.0
19 28	30.265	52.0	50.7
20 3	......	....	50.0
20 16	30.27	50.7	49.8
0 25	30.29	47.8	46.2
4 12	[illegible]	44.0	42.5
4 51	30.300	43.5	42.1
5 8	......	....	42.0
5 19	......	....	42.0
5 40	30.300	43.0	41.8
5 58	......	....	41.3
6 21	......	....	42.0

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 7, 8, 12, 30, 35, 36, 40, 45.	Bisections at III, V.
4, 15, 19.	Bisections at b_4, b_5, b_6.
5, 10.	Bisections at II, VI, VII.
9, 37.	Bisections at III, IV, V.
13, 18.	Bisections at b_1, b_2, b_3.
14.	Bisections at b_7, b_8, b_9.
16.	Bisections at I, II, III.
17.	Bisections at V, VI, VII.
26, 43.	Bisections at VI, VII.
27.	Z. D. threads C used.
27.	Bisections at I, II, VI, VII.
29.	Bisections at II, III, IV, V, VI.
31, 41, 42.	Bisections at b_1. b_3, b_5, b_7, b_9.
38.	Bisections at I, II, VI.

Note.

5, 15. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
16	+ 6.3	−16 2.5	...	−15 56.2
17	+ 6.4	+16 2.5	...	+16 8.9
27	+ 0.6	.. ....	...	+ 0.6
29	+19 19.6	−15 44.5	...	+ 3 35.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	156 H^1. Draconis s. p.	9	34 9.92	+ 1.49	− 1.85	63 29 48.60	46.450	− 9.26	+1 59.6	18 34 9.56	+ 2.52	+77 28 51.6	−20.4
2	ϵ Geminorum	9	38 20.49	− 0.46	− **1.81**	346 13 50.32	47.658	− 9.26	− 14.6	6 38 18.18	.....	+25 13 23.4	....
3	ξ Geminorum	9	40 11.54	− 0.46	− **1.80**	334 1 49.22	44.190	− 9.26	− 29.0	6 40 9.23	.....	+12 59 48.4	....
4	ψ^7 Aurigæ	9	44 20.14	− 0.50	− 1.85	2 53 48.92	46.768	− 9.26	+ 3.1	6 44 17.79	− 2.09	+41 53 19.4	+ 7.8
5	50 Draconis s. p.	9	49 19.96	+ 1.28	− 1.85	65 39 49.28	43.262	− 9.26	+2 11.7	18 49 19.39	.....	+75 19 51.6	....
6	51 H. Cephei	9	58 4.22	− 6.51	− 1.85	48 11 51.82	44.052	− 9.26	+1 6.9	6 57 55.86	.....	+87 11 23.6	....
7	λ Ursæ Minoris s. p.	9	12 27.83	+18.43	− 1.86	51 59 48.65	44.054	− 9.26	+1 16.5	19 12 44.40	.....	+89 0 28.2	....
8	Venus II, S	9	31 19.54	− 0.45	− 1.86	330 37 50.78	45.898	− 8.32	− 33.0	10 31 17.23	− 0.63	+ 9 36 26.2	....
	October 13, P.												
9	Sun I, S	9	12 37.16	− 0.48	− 1.87	312 57 49.98	45.055	− 8.58	−1 2.1	13 12 34.81	+65.19	− 8 4 23.3	....
10	Sun II, N	9	14 47.53	− 0.48	− 1.87	313 29 50.02	45.325	− 8.58	−1 0.9	13 14 45.18	−65.18	− 7 32 15.6	....
11	Mercury I, C	9	38 7.17	− 0.54	− 1.87	302 7 47.38	45.212	− 8.65	−1 31.4	14 38 4.76	+ 0.28	−18 54 51.5	....
12	51 H. Cephei s. p.	9	57 52.06	+ 6.72	− 1.87	53 47 51.45	46.810	− 7.79	+1 19.1	6 57 56.91	.....	+87 11 19.2	....
13	λ Ursæ Minoris	9	13 2.67	−19.16	− 1.87	49 59 51.32	46.995	− 7.90	+1 9.1	19 12 41.64	.....	+89 0 33.1	....
14	μ Aquilæ	9	29 39.33	− 0.51	− **1.81**	328 11 52.32	48.078	− 8.01	− 35.8	19 29 36.95	.....	+ 7 11 15.1	....
15	β Sagittæ	9	36 58.61	− 0.50	− **1.91**	338 17 54.78	44.330	− 8.07	− 23.0	19 36 56.24	.....	+17 16 4.6	....
16	γ Aquilæ	9	41 56.88	− 0.51	− **1.92**	331 25 51.68	43.608	− 8.10	− 31.5	19 41 54.50	.....	+10 23 36.5	....
17	α Aquilæ	9	46 21.45	− 0.51	− **1.86**	329 39 52.05	44.155	− 8.13	− 33.9	19 46 19.07	.....	+ 8 37 46.9	....
18	β Aquilæ	9	50 51.47	− 0.51	− **1.91**	327 11 52.28	47.138	− 8.16	− 37.3	19 50 49.09	.....	+ 6 10 51.9	....
19	τ Aquilæ	9	59 42.54	− 0.51	− **1.84**	328 3 51.40	43.158	− 8.22	− 36.1	19 59 40.16	.....	+ 7 1 21.2	....
20	θ Aquilæ	9	6 37.48	− 0.53	− **1.89**	319 55 52.68	46.785	− 8.27	− 48.7	20 6 35.08	.....	− 1 5 27.3	....
21	α^2 Capricorni	9	13 1.22	− 0.58	− **1.87**	308 11 52.58	47.315	− 8.31	−1 13.5	20 12 58.77	.....	−12 49 40.0	....
	October 13, M.												
22	o^1 Orionis	9	47 24.12	− 0.44	− 1.79	335 7 50.95	44.572	− 8.40	− 27.3	4 47 21.89	− 2.28	+14 6 1.7	− 7.0
23	57 H^1. Camelopardalis	9	53 12.15	− 1.14	− 1.79	34 57 52.90	41.020	− 8.40	+ 41.3	4 53 9.22	− 6.02	+73 55 51.0	+ 9.1
24	157 H^1. Cephei	9	59 29.56	− 4.35	− 1.79	46 49 51.58	46.670	− 8.40	+1 3.0	4 59 23.42	−19.26	+85 50 20.2	+11.8
25	μ Aurigæ	9	7 12.77	− 0.46	− 1.79	359 23 52.28	44.795	− 8.40	− 0.6	5 7 10.52	.....	+38 22 34.9	....
26	Moon II, N	9	12 30.35	− 0.44	− 1.79	343 7 51.70	46.678	− 8.40	− 17.9	5 12 28.12	−69.53	+22 6 59.9	....
27	γ Orionis	9	20 16.04	− 0.45	− **1.77**	327 17 50.50	45.455	− 8.40	− 37.9	5 20 13.80	.....	+ 6 16 10.8	....
28	φ^1 Orionis	9	29 50.45	− 0.44	− 1.79	330 27 50.32	44.258	− 8.40	− 33.5	5 29 48.22	− 2.03	+ 9 25 47.8	− 6.5
29	f Draconis s. p.	9	32 18.93	+ 0.91	− 1.79	72 45 48.90	45.960	− 8.40	+3 9.4	17 32 18.05	+ 1.76	+68 11 51.8	−16.7
30	γ Leporis	9	40 41.81	− 0.58	− 1.79	298 33 48.90	47.040	− 8.40	−1 48.1	5 40 39.44	− 1.69	−22 28 24.4	−14.8
31	κ Orionis	9	43 27.69	− 0.50	− **1.81**	311 19 48.58	46.672	− 8.40	−1 7.1	5 43 25.40	.....	− 9 41 52.3	....
32	99 B. Camelopardalis	9	52 52.07	− 0.82	− 1.79	27 53 52.08	45.820	− 8.40	+ 31.5	5 52 49.46	− 3.94	+66 53 30.1	+12.2
33	1 Geminorum	9	58 35.99	− 0.43	− **1.79**	344 17 52.12	44.472	− 8.40	− 16.6	5 58 33.77	.....	+23 16 11.3	....
34	24 Ursæ Minoris s. p.	9	4 26.06	+ 6.09	− 1.79	53 59 51.32	45.083	− 8.40	+1 21.6	18 4 30.36	+18.20	+86 59 56.9	−17.7
35	Groombridge 1004	9	12 2.06	− 5.58	− 1.79	47 45 51.10	43.678	− 8.40	+1 5.3	6 11 54.69	−18.71	+86 45 13.7	+17.4
36	8 Monocerotis	9	18 57.59	− 0.45	− **1.79**	325 39 48.32	46.582	− 8.40	− 40.3	6 18 55.35	.....	+ 4 38 32.0	....
37	ν Geminorum	9	23 34.19	− 0.43	− **1.81**	341 17 50.88	44.960	− 8.40	− 20.0	6 23 31.97	.....	+20 16 17.7	....
38	8 Lyncis	9	29 22.54	− 0.68	− 1.79	22 33 50.55	46.458	− 8.40	+ 24.7	6 29 20.07	.....	+61 33 36.1	....
39	156 H^1. Draconis s. p.	9	34 9.47	+ 1.51	− 1.79	63 29 49.25	46.462	− 8.40	+1 58.7	18 34 9.19	+ 2.63	+77 28 50.6	−20.4
40	ξ Geminorum	9	40 11.52	− 0.44	− **1.77**	334 1 51.75	43.982	− 8.40	− 28.8	6 40 9.29	.....	+12 59 47.5	....
41	ψ^7 Aurigæ	9	44 20.20	− 0.48	− 1.79	2 53 52.18	46.638	− 8.40	+ 3.1	6 44 17.93	− 2.13	+41 53 20.4	+ 7.9
42	50 Draconis s. p.	9	49 19.62	+ 1.30	− 1.79	65 39 49.40	43.292	− 8.40	+2 10.8	18 49 19.13	.....	+75 19 50.9	....
43	51 H. Cephei	9	58 4.89	− 6.44	− 1.80	48 11 51.38	44.083	− 8.40	+1 6.4	6 57 56.65	.....	+87 11 24.1	....
44	λ Ursæ Minoris s. p.	7	12 25.76	+18.34	− 1.80	51 59 50.12	44.047	− 8.40	+1 16.0	19 12 42.30	.....	+89 0 27.6	....
45	Venus II, S	9	35 39.64	− 0.42	− 1.81	330 17 50.22	43.481	− 8.23	− 33.1	10 35 37.41	− 0.62	+ 9 15 30.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
12 6 52	30.297	43.0	41.5
7 5	....	....	41.4
7 22	30.304	43.0	41.2
10 32	30.336	51.0	49.9
13 13 15	30.31	57.1	56.1
14 39	30.270	59.0	58.1
18 53	30.191	56.6	55.0
19 14	....	....	54.3
19 26	30.174	55.0	53.8
19 53	....	....	53.0
20 15	30.165	53.5	52.7
4 45	30.07	44.8	43.6
5 5	30.07	44.8	43.3
5 28	....	....	42.1
5 49	30.065	42.8	41.6
6 22	30.05	42.9	41.5
6 47	....	....	41.0
7 14	30.05	42.0	40.3
10 36	30.09	52.3	50.9

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 24, 39, 42.	Bisections at III, IV, V.
3, 10.	Bisections at VI, VII.
4, 23, 29.	Bisections at III, V.
6, 7, 12, 13.	Bisections at b_1, b_3, b_5, b_7, b_9.
8, 11, 45.	Bisections at I, II, VI, VII.
9, 25, 28, 30.	Bisections at I, II.
26.	Bisections at II, III, IV, V, VI.
31, 33.	Bisections at I, II, VI.
32.	Bisections at IV, V.
34.	Bisections at b_1, b_3, b_5.
35.	Bisections at b_5, b_7, b_9.
43.	Bisections at b_7, b_8, b_9.
44.	Bisections at b_4, b_5, b_6.

Notes.

13. Microscopes read at beginning and end of observation.

34, 35. Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 4.7	+ 9.3	...	+ 14.0
9	+ 6.4	+16 3.9	...	+16 10.3
10	+ 6.4	−16 3.8	...	−15 57.4
11	+ 8.8	.. ....	−0.8	+ 8.0
26	+16 12.3	−15 29.5	...	+ 42.8
45	+ 4.7	+ 9.2	...	+ 13.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 14, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S	9	16 19.57	− 0.51	− 1.81	312 35 51.15	43.995	− 8.19	−1 1.7	13 16 17.25	+65.09	− 8 26 45.6	....
2	Sun II, N	9	18 29.74	− 0.51	− 1.81	313 7 51.45	44.348	− 8.19	−1 0.5	13 18 27.42	−65.08	− 7 54 35.7	....
3	51 H. Cephei s. p.	9	57 52.06	+ 7.11	− 1.83	53 47 50.80	46.950	− 7.65	+1 17.4	6 57 57.34	.....	+87 11 18.6	....
4	λ Ursæ Minoris	7	13 1.89	−20.42	− 1.83	49 59 49.60	47.098	− 7.65	+1 7.7	19 12 39.64	.....	+89 0 33.6	....
5	μ Aquilæ	9	29 39.37	− 0.55	− **1.83**	328 11 49.70	48.028	− 7.65	− 35.1	19 29 36.99	.....	+ 7 11 12.4	....
6	β Sagittæ	9	36 58.58	− 0.54	− **1.86**	338 17 52.32	44.328	− 7.65	− 22.6	19 36 56.21	.....	+17 16 2.9	....
7	δ Sagittæ	9	43 20.77	− 0.54	− **1.87**	339 19 49.18	46.168	− 7.65	− 21.4	19 43 18.40	.....	+18 18 43.0	....
8	α Aquilæ	9	46 21.42	− 0.55	− **1.81**	329 39 49.55	44.142	− 7.65	− 33.2	19 46 19.04	.....	+ 8 37 45.3	....
9	τ Aquilæ	9	59 42.50	− 0.55	− **1.78**	328 1 49.35	48.385	− 7.65	− 35.4	19 59 40.12	.....	+ 7 1 19.9	....
10	θ Aquilæ	9	6 37.48	− 0.56	− **1.88**	319 55 48.80	46.830	− 7.65	− 47.8	20 6 35.09	.....	− 1 5 28.6	....
11	α^2 Capricorni	9	13 1.27	− 0.60	− **1.92**	308 11 47.35	47.425	− 7.65	−1 12.2	20 12 58.84	.....	−12 49 40.8	....
	October 14, P.												
12	57 H^1. Camelopardalis	9	53 12.38	− 1.33	− 1.94	34 55 49.12	46.432	− 7.95	+ 40.7	4 53 9.11	− 6.11	+73 55 50.7	+ 8.9
13	ι Tauri	9	57 40.57	− 0.52	− **1.91**	342 27 52.48	48.405	− 7.96	− 18.3	4 57 38.11	.....	+21 27 40.2	....
14	ε Leporis	9	1 38.49	− 0.64	− 1.94	298 33 49.38	44.389	− 7.97	−1 46.1	5 1 35.91	.....	−22 29 22.3	....
15	μ Aurigæ	9	7 13.08	− 0.56	− 1.94	359 23 49.15	45.002	− 7.99	− 0.6	5 7 10.58	.....	+38 22 36.7	....
16	λ Aurigæ	9	12 45.40	− 0.56	− 1.94	1 1 50.28	46.130	− 8.00	+ 1.1	5 12 42.90	.....	+40 1 5.3	....
17	17 Camelopardalis	9	21 35.40	− 0.84	− 1.94	23 59 50.28	45.805	− 8.02	+ 25.8	5 21 32.62	.....	+62 59 22.6	....
18	δ Orionis	8	27 22.88	− 0.54	− **1.99**	320 40	......	....	. ....	5 27 20.40	.....	− 0 21	....
19	φ^1 Orionis	9	29 50.67	− 0.52	− 1.94	330 27 51.12	44.235	− 8.04	− 32.6	5 29 48.21	− 2.06	+ 9 25 49.2	− 6.4
20	f Draconis s. p.	9	32 19.09	+ 0.91	− 1.94	72 45 49.30	46.220	− 8.05	+3 4.6	17 32 18.06	+ 1.82	+68 11 50.0	−16.5
21	ψ^1 Draconis s. p.	9	43 32.94	+ 1.09	− 1.95	68 45 50.48	47.695	− 8.08	+2 27.8	17 43 32.08	.....	+72 11 51.9	....
22	99 B. Camelopardalis	9	52 52.38	− 0.94	− 1.95	27 53 50.85	45.888	− 8.10	+ 30.6	5 52 49.49	− 4.01	+66 53 29.8	+12.1
23	1 Geminorum	9	58 36.20	− 0.51	− **1.89**	344 17 51.98	44.495	− 8.12	− 16.1	5 58 33.74	.....	+23 16 12.4	....
24	74 G. Columbæ	9	2 37.27	− 0.70	− 1.95	291 17 51.52	48.110	− 8.13	−2 26.0	6 2 34.62	− 1.54	−29 44 35.1	−15.7
25	Moon II, N	9	9 41.11	− 0.52	− 1.95	344 43 51.18	55.184	− 8.15	− 15.6	6 9 38.64	−69.34	+23 46 16.4	....
26	8 Monocerotis	9	18 57.83	− 0.53	− **1.92**	325 39 50.98	46.462	− 8.17	− 39.2	6 18 55.35	.....	+ 4 38 33.3	....
27	ν Geminorum	9	23 34.44	− 0.51	− **1.95**	341 17 52.28	44.912	− 8.18	− 19.4	6 23 31.98	.....	+20 16 18.9	....
28	8 Lyncis	9	29 22.93	− 0.77	− 1.95	22 33 53.12	46.298	− 8.19	+ 24.1	6 29 20.21	.....	+61 33 34.9	....
29	156 H^1. Draconis s. p.	9	34 9.67	+ 1.48	− 1.95	63 29 49.40	46.587	− 8.21	+1 55.6	18 34 9.20	+ 2.76	+77 28 50.6	−20.3
30	ε Geminorum	9	38 20.74	− 0.51	− **1.94**	346 14	......	....	. ....	6 38 18.28	.....	+25 13	....
31	ξ Geminorum	9	40 11.73	− 0.51	− **1.88**	334 1 50.68	44.032	− 8.22	− 28.1	6 40 9.27	.....	+12 59 48.4	....
32	43 Camelopardalis	9	43 53.86	− 0.98	− 1.95	29 59 50.78	45.942	− 8.23	+ 33.5	6 43 50.93	− 3.54	+68 59 33.7	+15.7
33	50 Draconis s. p.	8	49 19.90	+ 1.26	− 1.95	65 39 50.68	43.328	− 8.25	+2 7.6	18 49 19.21	.....	+75 19 51.8	....
34	51 H. Cephei	9	58 5.67	− 6.62	− 1.95	48 11 49.75	44.224	− 8.27	+1 4.8	6 57 57.10	.....	+87 11 24.3	....
35	45 Geminorum	9	3 9.64	− 0.51	− 1.95	337 5 52.98	46.230	− 8.28	− 24.4	7 3 7.18	− 1.64	+16 4 44.6	− 0.2
36	λ Ursæ Minoris s. p.	8	12 25.38	+18.32	− 1.95	51 59 50.98	44.040	− 8.30	+1 14.3	19 12 41.75	.....	+89 0 27.7	....
37	Venus II, S	9	40 0.57	− 0.54	− 1.96	329 55 49.98	45.372	− 8.17	− 33.0	10 39 58.07	− 0.62	+ 8 54 13.5	....
	October 15, P.												
38	Sun I, N	9	20 2.78	− 0.54	− 1.96	312 45 50.45	43.445	− 6.95	− 59.4	13 20 0.28	+65.27	− 8 16 55.3	....
39	Sun II, S	9	22 13.32	− 0.54	− 1.96	312 13 50.48	43.205	− 6.95	−1 0.6	13 22 10.82	−65.27	− 8 49 1.7	....
40	Mercury I, C	9	40 22.98	− 0.56	− 1.96	301 59 49.22	44.619	− 5.92	−1 27.2	14 40 20.46	+ 0.29	−19 2 56.3	....
41	51 H. Cephei s. p.	9	57 53.39	+ 5.81	− 1.97	53 47 50.70	46.952	− 5.76	+1 15.6	6 57 57.23	.....	+87 11 18.5	....
42	λ Ursæ Minoris	9	12 59.06	−16.87	− 1.97	49 59 51.55	47.013	− 5.84	+1 6.1	19 12 40.22	.....	+89 0 33.9	....
43	κ Aquilæ	9	32 0.44	− 0.55	− **1.94**	313 47 53.92	46.170	− 5.93	− 57.7	19 31 57.92	.....	− 7 13 46.7	....
44	β Sagittæ	9	36 58.71	− 0.51	− **2.04**	338 17 54.82	44.200	− 5.96	− 22.0	19 36 56.23	.....	+17 16 4.8	....
45	δ Sagittæ	9	43 20.85	− 0.52	− **1.98**	339 19 53.38	45.940	− 5.99	− 20.9	19 43 18.36	.....	+18 18 44.2	....
46	α Aquilæ	9	46 21.61	− 0.52	− **2 04**	329 39 51.70	43.988	− 6.01	− 32.4	19 46 19.12	.....	+ 8 37 46.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 13 18	30.044	60.1	61.1
18 52	29.94	62.8	61.7
19 22	29.94	61.7	60.1
19 50	......	....	59.1
20 17	29.935	59.5	58.2
4 51	29.882	49.5	47.9
5 11	......	....	48.8
5 25	......	....	51.2
5 39	29.900	51.8	52.2
5 48	......	....	52.6
6 1	......	....	53.0
6 15	29.900	53.0	53.1
6 48	......	....	51.0
7 15	......	....	49.6
7 23	29.960	50.5	49.5
10 38	29.932	57.5	57.6
15 13 22	29.92	70.7	74.8
14 41	29.880	73.8	77.3
18 54	29.904	72.2	73.0
19 17	......	....	71.2
19 30	29.860	70.1	70.6
19 50	......	....	69.7

Micrometer bisections are made at II, VI, except as noted below.

1, 38. Bisections at I, II.
2, 39. Bisections at VI, VII.
3, 4, 41, 42. Bisections at b_4, b_5, b_6.
12, 17, 22, 28, 32. Bisections at III, V.
14, 24, 37, 40. Bisections at I, II, VI, VII.
20, 21, 29, 33. Bisections at III, IV, V.
25. Bisections at II, III, IV, V, VI.
34. Bisections at b_1, b_3, b_5, b_7, b_9.
36. Bisections at b_1, b_3, b_5, b_7.

Notes.

33. Haze.
36. Microscopes read at beginning and end of observation.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.5	+16 4.9	...	+16 11.4
2	+ 6.4	−16 4.9	...	−15 58.5
25	+14 24.9	−15 15.8	...	− 50.9
37	+ 4.7	+ 9.2	...	+ 13.9
38	+ 6.4	−16 3.1	...	−15 56.7
39	+ 6.5	+16 3.2	...	+16 9.7
40	+ 9.2	.. ....	−0.9	+ 8.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	τ Aquilæ	9	59 42.62	– 0.53	– **1.93**	328 3 51.52	42.965	– 6.08	– 34.6	19 59 40.12	.....	+ 7 1 20.5	....
2	θ Aquilæ	9	6 37.57	– 0.54	– **2.00**	319 55 51.38	46.635	– 6.12	– 46.7	20 6 35.06	.....	– 1 5 27.8	....
3	α² Capricorni	9	13 1.27	– 0.58	– **1.95**	308 13 51.32	41.835	– 6.15	–1 10.4	20 12 58.72	.....	–12 49 41.3	....
	October 15, M.												
4	o¹ Orionis	9	47 24.38	– 0.53	– 1.89	335 7 51.22	44.438	– 7.07	– 26.2	4 47 21.96	– 2.33	+14 6 1.3	– 7.1
5	k Tauri	9	52 36.44	– 0.53	– 1.89	345 55 53.05	45.470	– 7.07	– 14.1	4 52 34.02	– 2.48	+24 54 38.8	– 3.8
6	ζ Aurigæ	9	56 8.04	– 0.57	– 1.89	1 57 52.45	44.580	– 7.07	+ 2.0	4 56 5.58	.....	+40 56 34.0	....
7	11 Orionis	9	59 23.41	– 0.53	– **1.90**	336 17 51.00	46.235	– 7.07	– 24.8	4 59 20.99	.....	+15 16 43.6	....
8	β Eridani	9	3 24.18	– 0.57	– **1.92**	315 49 51.08	45.465	– 7.07	– 54.8	5 3 21.72	.....	– 5 12 4.1	....
[illegible]	μ Leporis	9	8 52.37	– 0.61	– 1.89	304 43 49.75	45.335	– 7.07	–1 21.3	5 8 49.87	– 1.94	–16 18 34.7	–14.0
10	τ Orionis	9	13 12.81	– 0.57	– **1.87**	314 5 49.32	44.875	– 7.07	– 58.2	5 13 10.35	.....	– 6 56 22.5	....
11	17 Camelopardalis	9	21 35.26	– 0.80	– 1.89	23 59 53.08	45.700	– 7.07	+ 25.3	5 21 32.57	.....	+62 59 23.3	....
12	19 Camelopardalis	9	28 27.41	– 0.82	– 1.89	25 5 51.98	46.345	– 7.07	+ 26.6	5 28 24.70	– 4.03	+64 5 38.2	+ 9.5
13	22 Camelopardalis	9	31 25.01	– 0.69	– 1.89	17 19 52.50	43.475	– 7.07	+ 17.7	5 31 22.43	– 3.36	+56 18 24.3	+ 7.7
14	ζ Orionis	9	36 11.38	– 0.56	– **1.87**	319 1 49.88	47.365	– 7.07	– 48.9	5 36 8.93	.....	– 1 59 15.8	....
15	ψ¹ Draconis S. P.	8	43 32.88	+ 0.87	– 1.89	68 45 49.52	47.814	– 7.07	+2 24.9	17 43 31.86	.....	+72 11 51.8	....
16	139 Tauri	9	52 21.78	– 0.53	– 1.89	346 57 51.50	45.408	– 7.07	– 13.0	5 52 19.36	– 2.22	+25 56 36.9	– 0.1
17	μ Orionis	9	57 23.66	– 0.53	– 1.89	330 39 49.60	47.275	– 7.07	– 31.7	5 57 21.24	– 1.96	+ 9 38 59.0	– 5.1
18	74 G. Columbæ	9	2 37.12	– 0.70	– 1.89	291 17 50.95	47.948	– 7.07	–2 23.4	6 2 34.53	– 1.57	–29 44 35.8	–15.6
19	ξ Orionis	9	6 46.93	– 0.53	– 1.89	335 15 51.10	44.107	– 7.07	– 26.0	6 6 44.51	– 1.96	+14 13 53.8	– 3.2
20	k Orionis	9	11 21.01	– 0.53	– 1.89	333 19 49.90	44.495	– 7.07	– 28.3	6 11 18.59	– 1.92	+12 17 59.2	– 3.7
21	μ Geminorum	9	17 28.12	– 0.53	– **1.83**	343 33 51.35	48.460	– 7.07	– 16.6	6 17 25.70	.....	+22 33 42.9	....
22	ν Geminorum	9	23 34.43	– 0.53	– **1.89**	341 17 51.10	44.837	– 7.07	– 19.0	6 23 32.01	.....	+20 16 17.5	....
23	51 Aurigæ	8	32 21.86	– 0.56	– 1.89	0 29 51.50	43.985	– 7.07	+ 0.5	6 32 19.41	.....	+39 28 17.8	....
24	ε Geminorum	8	38 20.72	– 0.53	– **1.87**	346 13 51.28	47.430	– 7.07	– 13.8	6 38 18.30	.....	+25 13 22.1	....
25	43 Camelopardalis	9	43 53.84	– 0.96	– 1.89	29 59 53.50	45.838	– 7.07	+ 32.6	6 43 50.99	– 3.62	+68 59 34.3	+15.7
26	e Geminorum	9	49 31.45	– 0.53	– 1.89	334 19 50.32	43.857	– 7.07	– 27.0	6 49 29.03	– 1.72	+13 17 46.4	– 1.7
27	ι Canis Majoris	9	52 5.94	– 0.62	– 1.89	304 5 50.00	47.248	– 7.07	–1 22.9	6 52 3.43	– 1.40	–16 55 52.1	–11.2
28	51 H. Cephei	6	58 6.02	– 6.11	– 1.89	48 11 51.22	44.173	– 7.07	+1 3.1	6 57 58.02	.....	+87 11 24.5	....
29	Moon II, S.	9	5 59.61	– 0.54	– 1.89	344 35 52.05	44.951	– 7.07	– 15.5	7 5 57.18	–68.57	+23 34 24.6	....
30	λ Ursæ Minoris S. P.	6	12 23.65	+16.87	– 1.89	51 59 50.08	44.190	– 7.07	+1 12.2	19 12 38.63	.....	+89 0 26.9	....
	October 16, M.												
31	Sun I, N.	9	23 46.29	– 0.55	– 1.89	312 23 51.32	43.035	– 6.80	– 59.9	13 23 43.85	+65.25	– 8 39 4.1	....
32	Sun II, S.	9	25 56.78	– 0.55	– 1.89	311 51 51.72	42.735	– 6.80	–1 1.1	13 25 54.34	–65.24	– 9 11 11.5	....
33	51 H. Cephei S. P.	9	57 53.89	+ 7.09	– 1.89	53 47 48.48	47.103	– 6.42	+1 15.1	6 57 59.09	.....	+87 11 17.9	....
34	λ Ursæ Minoris	7	12 58.83	–20.74	– 1.89	49 59 48.12	47.217	– 6.42	+1 5.6	19 12 36.20	.....	+89 0 34.0	....
35	β Sagittæ	9	36 58.66	– 0.60	– **1.92**	338 17 50.78	44.318	– 6.42	– 21.8	19 36 56.17	.....	+17 16 3.2	....
36	δ Sagittæ	9	43 20.77	– 0.60	– **1.84**	339 19 50.22	46.025	– 6.42	– 20.7	19 43 18.28	.....	+18 18 42.9	....
37	α Aquilæ	9	46 21.48	– 0.59	– **1.86**	329 39 47.38	44.130	– 6.42	– 32.1	19 46 19.00	.....	+ 8 37 45.2	....
38	β Aquilæ	9	50 51.47	– 0.59	– **1.88**	327 11 48.10	47.082	– 6.42	– 35.4	19 50 48.99	.....	+ 6 10 50.1	....
39	τ Aquilæ	9	59 42.57	– 0.59	– **1.84**	328 3 49.05	43.015	– 6.42	– 34.3	19 59 40.09	.....	+ 7 1 19.1	....
40	θ Aquilæ	9	6 37.51	– 0.60	– **1.90**	319 55 48.05	46.730	– 6.42	– 46.2	20 6 35.02	.....	– 1 5 28.8	....
	October 16, P.												
41	k Tauri	9	52 36.54	– 0.52	– 2.01	345 55 49.95	45.652	– 6.78	– 14.2	4 52 34.01	– 2.51	+24 54 40.1	– 3.8
42	ζ Aurigæ	9	56 8.28	– 0.55	– 2.01	1 57 48.92	44.728	– 6.78	+ 2.0	4 56 5.72	.....	+40 56 34.0	....
43	11 Orionis	9	59 23.56	– 0.51	– **2.04**	336 17 53.32	46.217	– 6.78	– 24.9	4 59 21.04	.....	+15 16 45.6	....
44	β Eridani	9	3 24.32	– 0.55	– **2.05**	315 49 53.02	45.440	– 6.78	– 55.0	5 3 21.76	.....	– 5 12 2.5	....
45	α Aurigæ	9	9 59.12	– 0.58	– 2.01	6 55 48.85	43.785	– 6.78	+ 6.9	5 9 56.53	.....	+45 54 17.3	....
46	τ Orionis	9	13 13.03	– 0.55	– **2.08**	314 5 50.42	44.795	– 6.78	– 58.4	5 13 10.47	.....	– 6 56 23.2	....
47	β Tauri	9	20 33.56	– 0.52	– **2.04**	349 33 50.12	43.440	– 6.78	– 10.4	5 20 31.03	.....	+28 31 53.5	....
48	19 Camelopardalis	8	28 27.72	– 0.80	– 2.01	25 5 50.62	46.352	– 6.78	+ 26.7	5 28 24.91	– 4.09	+64 5 37.6	+ 9.3
49	22 Camelopardalis	9	31 25.18	– 0.66	– 2.01	17 19 49.88	43.567	– 6.78	+ 17.8	5 31 22.51	– 3.41	+56 18 24.2	+ 7.6

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 20 15	29.866	68.7	69.0
4 45	29.865	59.5	60.3
5 7	....	....	60.9
5 40	29.87	60.1	61.5
6 0	....	....	61.5
6 27	29.88	60.7	61.4
6 48	....	....	63.0
7 17	29.90	61.7	62.8
16 13 26	29.963	75.0	78.0
18 52	29.93	75.1	77.1
19 33	29.93	74.1	76.1
19 53	....	....	76.1
20 3	29.945	73.8	75.8
4 50	29.918	60.0	59.1
5 7	....	....	60.6
5 24	29.924	60.3	60.0

Micrometer bisections are made at II, VI, except as noted below.

6, 12, 27, 31.	Bisections at I, II.
8, 32.	Bisections at VI, VII.
11.	Bisections at II, V, VI.
15.	Bisections at II, III, V, VI.
18.	Bisections at I, II, VI, VII.
19, 22, 43, 44, 46.	Bisections at II, VI, VII.
25, 48.	Bisections at III, V.
26.	Bisections at I, II, VI.
28, 30, 34.	Bisections at b_4, b_5, b_6.
29.	Bisections at II, III, IV, V, VI.
33.	Bisections at b_1, b_2, b_3.
36.	Bisections at II, III.
49.	Bisections at III, V, VI.

Notes.

4–30.	Conditions very poor.
15.	Very poor.
18.	Very unsteady; diffuse.
28, 30.	Very unsteady; poor.
42, 46.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
29	+14 25.0	+15 4.3	...	+29 29.3
31	+ 6.5	–16 3.7	...	–15 57.2
32	+ 6.5	+16 3.7	...	+16 10.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Orionis	9	36 11.46	− 0.53	**− 1.95**	319 1 49.62	47.375	− 6.78	− 49.2	5 36 8.92	.....	− 1 59 16.0	....
2	ψ¹ Draconis s. p.	9	43 32.96	+ 0.86	− 2.01	68 45 51.35	47.660	− 6.78	+2 25.8	17 43 31.81	.....	+72 11 52.5	....
3	139 Tauri	9	52 21.93	− 0.51	− 2.01	346 57 50.88	45.488	− 6.78	− 13.1	5 52 19.41	− 2.25	+25 56 38.3	− 0.1
4	μ Orionis	9	57 23.84	− 0.51	− 2.01	330 39 51.70	47.238	− 6.78	− 31.8	5 57 21.32	− 1.98	+ 9 39 0.5	− 5.1
5	74 G. Columbæ	9	2 37.31	− 0.67	− 2.01	291 17 52.15	47.983	− 6.78	−2 23.9	6 2 34.63	− 1.60	−29 44 34.1	−15.5
6	ξ Orionis	9	6 47.09	− 0.50	− 2.01	335 15 53.30	44.055	− 6.78	− 26.1	6 6 44.58	− 1.99	+14 13 55.0	− 3.2
7	k Orionis	9	11 21.13	− 0.50	− 2.01	333 19 51.32	44.478	− 6.78	− 28.4	6 11 18.62	− 1.94	+12 18 0.4	− 3.6
8	μ Geminorum	9	17 28.25	− 0.50	**− 1.96**	343 33 50.08	48.572	− 6.78	− 16.6	6 17 25.74	.....	+22 33 44.5	....
9	10 Monocerotis	9	23 29.32	− 0.53	**− 2.04**	316 19 52.38	45.280	− 6.78	− 54.0	6 23 26.78	.....	− 4 41 5.7	....
10	ξ² Canis Majoris	9	31 16.35	− 0.61	− 2.01	298 9 49.80	44.647	− 6.78	−1 45.5	6 31 13.73	.....	−22 53 14.3	....
11	153 H¹. Draconis s. p.	7	35 56.79	+ 0.63	− 2.01	75 33 51.58	42.358	− 6.78	+3 37.6	18 35 55.41	+ 0.82	+65 24 41.7	−20.6
12	ξ Geminorum	9	40 11.91	− 0.50	**− 2.01**	334 1 52.32	43.868	− 6.78	− 27.6	6 40 9.40	.....	+12 59 48.3	....
13	43 Camelopardalis	9	43 54.09	− 0.92	− 2.01	29 59 54.40	45.765	− 6.78	+ 32.9	6 43 51.16	− 3.71	+68 59 34.1	+15.7
14	ε Geminorum	9	49 31.59	− 0.49	− 2.01	334 19 51.22	43.898	− 6.78	− 27.2	6 49 29.09	− 1.75	+13 17 48.3	− 1.6
15	ι Canis Majoris	9	52 6.13	− 0.58	− 2.01	304 5 52.02	47.275	− 6.78	−1 23.5	6 52 3.54	− 1.43	−16 55 50.0	−11.1
16	51 H. Cephei	8	58 7.98	− 5.97	− 2.01	48 11 50.70	44.125	− 6.78	+1 3.6	6 58 0.00	.....	+87 11 23.7	....
17	λ Ursæ Minoris s. p.	5	12 21.40	+16.55	− 2.01	51 59 52.10	44.062	− 6.78	+1 12.5	19 12 35.94	.....	+89 0 27.0	....
18	Moon II, S.	9	0 41.16	− 0.52	− 2.01	343 39 49.90	43.153	− 6.91	− 16.8	8 0 38.63	−67.33	+22 37 40.2	....
19	Venus II, S.	9	48 41.84	− 0.52	− 2.01	329 11 50.80	46.526	− 7.67	− 33.4	10 48 39.31	− 0.61	+ 8 10 40.8	....
	October 17, P.												
20	Sun I, S.	9	27 30.51	− 0.57	− 2.01	311 27 51.10	47.970	− 6.44	−1 2.0	13 27 27.93	+65.41	− 9 33 13.3	....
21	Sun II, N.	9	29 41.34	− 0.57	− 2.01	311 59 51.22	48.270	− 6.44	−1 0.9	13 29 38.76	−65.42	− 9 1 5.0	....
22	51 H. Cephei s. p.	9	57 53.94	+ 7.34	− 2.02	53 47 51.95	46.967	− 7.13	+1 15.1	6 57 59.26	.....	+87 11 18.8	....
23	β Sagittæ	9	36 58.71	− 0.52	**− 2.07**	338 17 56.88	44.135	− 7.13	− 21.9	19 36 56.17	.....	+17 16 4.3	....
24	δ Sagittæ	9	43 20.87	− 0.52	**− 2.04**	339 19 53.52	45.970	− 7.13	− 20.8	19 43 18.33	.....	+18 18 44.0	....
25	α Aquilæ	9	46 21.55	− 0.51	**− 2.03**	329 39 51.10	44.055	− 7.13	− 32.3	19 46 19.02	.....	+ 8 37 46.3	....
26	τ Aquilæ	9	59 42.66	− 0.51	**− 2.03**	328 3 52.98	42.925	− 7.13	− 34.4	19 59 40.13	.....	+ 7 1 20.3	....
27	4 B. Ursæ Minoris s. p.	6	6 40.08	+18.96	− 2.02	52 5 52.15	44.788	− 7.13	+1 11.1	8 6 57.02	.....	+88 54 12.3	....
28	ε Delphini	9	28 53.08	− 0.52	**− 1.98**	332 1 53.18	43.712	− 7.13	− 29.3	20 28 50.54	.....	+10 59 43.6	....
29	α Delphini	9	35 25.96	− 0.52	**− 2.03**	336 37 53.40	43.008	− 7.13	− 23.9	20 35 23.42	.....	+15 35 33.1	....
30	32 Vulpeculæ	9	50 42.36	− 0.55	**− 1.96**	348 43 52.55	45.842	− 7.13	− 11.0	20 50 39.79	.....	+27 42 49.8	....
	October 18, M.												
31	π⁴ Orionis	9	46 23.11	− 0.55	− 1.87	326 27 53.70	47.603	− 7.00	− 37.5	4 46 20.69	− 2.30	+ 5 27 4.8	− 9.4
32	k Tauri	9	52 36.44	− 0.54	− 1.87	345 55 55.20	45.395	− 7.05	− 14.2	4 52 34.03	− 2.57	+24 54 39.1	− 4.0
33	ι Tauri	9	57 40.65	− 0.53	**− 1.88**	342 27 52.95	48.320	− 7.09	− 17.8	4 57 38.25	.....	+21 27 40.1	....
34	ε Leporis	9	1 38.58	− 0.66	− 1.87	298 33 50.65	44.095	− 7.12	−1 43.6	5 1 36.05	.....	−22 29 24.5	....
35	β Orionis	9	10 11.57	− 0.59	**− 1.90**	312 43 52.65	45.239	− 7.18	−1 1.2	5 10 9.11	.....	− 8 18 14.0	....
36	τ Orionis	9	13 12.86	− 0.58	**− 1.83**	314 5 51.78	44.731	− 7.21	− 58.4	5 13 10.41	.....	− 6 56 23.7	....
37	β Tauri	9	20 33.52	− 0.54	**− 1.92**	349 33 53.90	43.258	− 7.26	− 10.4	5 20 31.11	.....	+28 31 52.6	....
38	δ Orionis	9	27 22.89	− 0.56	**− 1.87**	320 40	......	....	.....	5 27 20.46	.....	− 0 21	....
39	α Leporis	8	28 44.76	− 0.63	**− 1.83**	303 10	......	....	.....	5 28 42.26	.....	−17 53	....
40	θ¹ Orionis	9	30 49.79	− 0.58	− 1.87	315 33 52.15	48.765	− 7.34	− 55.4	5 30 47.34	− 2.01	− 5 26 48.3	−10.5
41	σ Orionis	9	34 12.11	− 0.57	− 1.87	318 21 51.68	48.078	− 7.37	− 50.2	5 34 9.67	− 2.02	− 2 38 59.3	− 9.6
42	51 H. Cephei	9	58 7.39	− 5.75	− 1.87	48 11 53.45	44.100	− 7.57	+1 3.5	6 57 59.77	.....	+87 11 24.5	....
43	λ Ursæ Minoris s. p.	6	12 20.35	+15.83	− 1.87	51 59 52.10	44.090	− 7.57	+1 12.6	19 12 34.31	.....	+89 0 27.2	....
	October 19, M.												
44	Sun I, S.	9	35 0.49	− 0.60	− 1.91	310 45 53.78	43.520	− 7.13	−1 3.2	13 34 57.98	+65.52	−10 16 54.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 5 40	....	....	59.2
5 50	29.930	60.0	59.5
6 14	....	....	61.7
6 29	29.944	60.5	60.0
7 0	....	....	60.0
7 17	29.950	61.5	63.0
8 1	29.952	57.9	55.5
10 50	30.012	66.0	67.0
17 13 30	30.01	75.2	77.3
18 54	29.983	78.0	78.1
19 22	29.984	76.5	76.1
19 40	....	....	75.0
19 56	29.990	75.0	74.8
20 17	....	....	74.0
20 27	....	....	73.8
20 41	29.990	73.9	73.5
20 52	29.990	73.5	73.4
18 4 44	29.85	[illegible]	59.6
5 6	....	....	59.2
5 39	29.845	60.3	59.2
6 52	29.84	60.3	59.1
7 18	29.845	60.2	59.3

Micrometer bisections are made at II, VI, except as noted below.

1, 21.	Bisections at VI, VII.
2, 11.	Bisections at III, IV, V.
5, 7, 10, 15, 31.	Bisections at II, VI, VII.
13.	Bisections at III, V.
16.	Bisections at b_5, b_6.
17.	Bisections at b_3, b_4, b_5.
18.	Bisections at II, III, IV, V, VI.
19, 32, 35, 36, 41.	Bisections at I, II, VI, VII.
20, 44.	Bisections at I, II.
22, 27, 43.	Bisections at b_4, b_5, b_6.
34.	Bisections at I, VI, VII.
37.	Bisections at I, II, VI.
40.	Bisections at I, VI.
42.	Bisections at b_7, b_8, b_9.

Notes.

1, 5.	Fuzzy; unsteady.
22–30.	Hazy.
30.	Micrometer reading increased 10 rev.
31–43.	Conditions very poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
18	+15 8.6	+14 55.5	...	+30 4.1
19	+ 4.7	+ 9.0	...	+ 13.7
20	+ 6.6	+16 4.1	...	+16 10.7
21	+ 6.5	−16 4.1	...	−15 57.6
44	+ 6.7	+16 4.7	...	+16 11.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, N.	9	37 11.52	− 0.60	− 1.91	311 17 55.58	43.800	− 7.13	−1 2.1	13 37 9.01	−65.51	− 9 44 44.6	....
	October 20, P.												
2	Sun I, N.	9	38 46.62	− 0.56	− 2.04	310 55 54.95	45.072	− 7.99	−1 6.1	13 38 44.02	+65.70	−10 6 21.3	....
3	Sun II, S.	9	40 58.03	− 0.56	− 2.04	310 23 54.12	44.732	− 7.99	−1 7.3	13 40 55.43	−65.71	−10 38 30.9	....
4	λ Ursæ Minoris	9	12 49.11	−15.71	− 2.07	49 59 51.38	46.952	− 8.39	+1 8.8	19 12 31.33	.....	+89 0 32.5	....
5	τ Aquilæ	9	59 42.59	− 0.48	− 2.04	328 3 53.15	43.030	− 8.39	− 36.0	19 59 40.04	.....	+ 7 1 20.0	....
6	4 B. Ursæ Minoris S. P.	5	6 50.22	+14.12	− 2.07	52 5 53.40	44.632	− 8.39	+1 14.4	8 7 2.27	.....	+88 54 12.6	....
7	α^2 Capricorni	9	13 1.34	− 0.56	− 2.12	308 13 52.82	41.990	− 8.39	−1 13.4	20 12 58.71	.....	−12 49 41.5	....
8	ρ Capricorni	9	23 41.25	− 0.59	− 2.11	302 55 53.42	44.572	− 8.39	−1 29.3	20 23 38.59	.....	−18 6 57.8	....
9	ε Delphini	9	28 53.09	− 0.48	− 2.08	332 1 55.32	43.758	− 8.39	− 30.8	20 28 50.54	.....	+10 59 44.0	....
10	α Delphini	9	35 25.91	− 0.47	− 2.08	336 37 52.98	43.195	− 8.39	− 25.0	20 35 23.36	.....	+15 35 34.6	....
11	μ Aquarii	9	47 45.93	− 0.54	− 2.10	311 41 52.85	47.322	− 8.39	−1 5.0	20 47 43.31	.....	− 9 19 31.2	....
12	32 Vulpeculæ	9	50 42.31	− 0.46	− 2.06	348 43 54.52	45.875	− 8.39	− 11.5	20 50 39.77	.....	+27 42 50.8	....
13	Saturn I, C.	5	23 13.45	− 0.52	− 2.08	320 39 53.22	45.779	− 8.24	− 48.2	0 23 10.85	+ 0.69	− 0 23 24.4	....
14	Saturn II	5	23 14.84	− 0.52	− 2.08	... .	......	....	.....	0 23 12.24	− 0.70	.. ..	....
	October 20, L.												
15	157 H^1. Cephei	8	59 31.20	− 3.99	− 2.11	46 49 57.88	46.432	− 9.51	+1 3.3	4 59 25.10	−21.40	+85 50 20.0	+10.1
16	β Orionis	9	10 11.78	− 0.53	− 2.12	312 43 54.62	45.385	− 9.54	−1 3.9	5 10 9.14	.....	− 8 18 13.6	....
17	τ Orionis	9	13 13.13	− 0.52	− 2.11	314 5 54.75	44.855	− 9.55	−1 1.0	5 13 10.50	.....	− 6 56 22.8	....
18	η Orionis (*mean*)	9	19 55.87	− 0.50	− 2.11	318 33 54.82	43.672	− 9.57	− 52.2	5 19 53.26	− 2.16	− 2 28 41.1	− 9.6
19	θ^1 Orionis	6	30 49.98	− 0.51	− 2.11	315 33 55.82	48.820	− 9.60	− 57.9	5 30 47.36	− 2.06	− 5 26 47.9	−10.4
20	θ^2 Orionis	5	30 56.52	− 0.51	− 2.11	315 33 55.82	44.748	− 9.60	− 57.9	5 30 53.90	− 2.06	− 5 28 21.4	−10.4
21	ζ Orionis	9	36 11.69	− 0.49	− 2.12	319 1 55.32	47.368	− 9.61	− 51.3	5 36 9.09	.....	− 1 59 15.2	....
22	ψ^1 Draconis S. P.	9	43 32.81	+ 0.98	− 2.11	68 45 58.12	47.212	− 9.63	+2 32.0	17 43 31.68	.....	+72 11 52.6	....
23	139 Tauri	9	52 22.00	− 0.44	− 2.11	346 57 57.52	45.322	− 9.66	− 13.6	5 52 19.45	− 2.37	+25 56 37.8	− 0.3
24	1 Geminorum	9	58 36.47	− 0.44	− 2.05	344 17 57.05	44.322	− 9.68	− 16.6	5 58 33.92	.....	+23 16 11.5	....
25	74 G. Columbæ	9	2 37.62	− 0.67	− 2.11	291 17 54.72	48.188	− 9.69	−2 30.3	6 2 34.84	− 1.72	−29 44 36.1	−15.1
26	ξ Orionis	9	6 47.16	− 0.44	− 2.11	335 15 57.70	44.030	− 9.70	− 27.2	6 6 44.61	− 2.11	+14 13 54.8	− 3.2
27	*k* Orionis	5	11 21.33	− 0.44	− 2.11	333 19 56.08	44.398	− 9.71	− 29.7	6 11 18.78	− 2.06	+12 17 59.1	− 3.6
28	μ Geminorum	9	17 28.42	− 0.43	− 2.07	343 35 56.85	43.198	− 9.73	− 17.4	6 17 25.88	.....	+22 33 44.7	....
	October 23, P.												
29	Sun I, S.	9	50 8.82	− 0.59	− 2.14	309 19 53.70	45.035	− 8.35	−1 8.6	13 50 6.09	+65.93	−11 42 26.3	....
30	Sun II, N.	9	52 20.69	− 0.59	− 2.14	309 51 53.12	45.518	− 8.35	−1 7.3	13 52 17.96	−65.94	−11 10 14.3	....
	October 26, M.												
31	Sun I, N.	9	1 37.04	− 0.56	− 2.13	308 49 52.45	44.600	− 6.67	−1 8.8	14 1 34.35	+66.19	−12 12 36.0	....
32	Sun II, S.	9	3 49.41	− 0.56	− 2.13	308 17 51.65	44.115	− 6.67	−1 10.1	14 3 46.72	−66.18	−12 44 48.9	....
33	4 B. Ursæ Minoris S. P.	6	6 53.17	+18.45	− 2.11	52 5 48.70	44.940	− 6.12	+1 11.4	8 7 9.51	.....	+88 54 11.0	....
34	α^2 Capricorni	9	13 1.28	− 0.57	− 2.15	308 13 48.30	41.898	− 6.12	−1 10.3	20 12 58.60	.....	−12 49 42.7	....
35	ρ Capricorni	8	23 41.11	− 0.59	− 2.06	302 55 48.52	44.440	− 6.12	−1 25.4	20 23 38.41	.....	−18 6 59.5	....
36	ε Delphini	9	28 53.06	− 0.53	− 2.09	332 1 49.75	43.775	− 6.12	− 29.5	20 28 50.42	.....	+10 59 42.4	....
37	α Delphini	9	35 25.94	− 0.54	− 2.14	336 37 47.52	43.200	− 6.12	− 24.0	20 35 23.29	.....	+15 35 32.5	....
38	ε Aquarii	9	42 46.12	− 0.56	− 2.14	311 11 47.58	46.628	− 6.12	−1 3.3	20 42 43.45	.....	− 9 49 48.4	....
39	μ Aquarii	9	47 45.84	− 0.56	− 2.09	311 41 47.38	47.215	− 6.12	−1 2.2	20 47 43.17	.....	− 9 19 34.0	....
40	32 Vulpeculæ	9	50 42.34	− 0.56	− 2.10	348 43 50.70	45.832	− 6.12	− 11.0	20 50 39.67	.....	+27 42 48.8	....
41	Saturn I, C.	5	21 44.77	− 0.50	− 2.11	320 29 49.35	48.740	− 6.60	− 46.1	0 21 42.16	+ 0.64	− 0 32 16.9	....
42	Saturn II	5	21 46.04	− 0.50	− 2.11	... .	......	....	.....	0 21 43.43	− 0.63	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 13 37	29.85	75.0	77.8
20 13 41	30.074	58.8	56.4
19 7	30.058	57.0	55.0
19 57	30.062	55.0	53.0
20 15	......	....	52.0
20 24	......	....	51.2
20 52	30.082	53.0	51.0
0 21	......	....	45.6
0 25	30.118	47.3	45.6
5 2	30.094	44.4	42.0
5 14	......	....	42.0
5 29	......	....	42.0
5 46	......	....	42.1
5 57	......	....	42.1
6 12	30.098	44.4	42.3
6 31	......	....	42.7
23 13 52	30.03	65.2	65.1
26 14 4	29.704	68.8	67.3
20 0	29.68	68.3	67.1
20 18	......	....	66.8
20 54	29.68	67.6	65.7
0 25	29.69	63.8	62.1

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 20, 30, 32.	Bisections at VI, VII.
2, 16, 19, 29, 31.	Bisections at I, II.
4, 6, 33.	Bisections at b_4, b_5, b_6.
13, 41.	Z. D. threads C used.
13, 41.	Bisections at I, II, VI, VII.
15, 22.	Bisections at III, V.
28.	Bisections at III, VI.

Notes.

18. Assumed that mean was observed.
22. Very diffuse; unsteady.
25. Very diffuse.
26–28. Faint; clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.6	−16 4.8	...	−15 58.2
2	+ 6.6	−16 4.7	...	−15 58.1
3	+ 6.7	+16 4.8	...	+16 11.5
13	+ 0.6	.. ....	...	+ 0.6
29	+ 6.8	+16 6.0	...	+16 12.8
30	+ 6.8	−16 6.0	...	−15 59.2
31	+ 6.9	−16 6.5	...	−15 59.6
32	+ 6.9	+16 6.4	...	+16 13.3
41	+ 0.6	.. ....	...	+ 0.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 26, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Venus II, S.	9	32 16.41	− 0.53	− 2.27	325 17 53.20	43.675	− 7.22	− 38.9	11 32 13.61	− 0.56	+ 4 15 33.0	....
	October 27, P.												
2	Sun I, N.	9	5 28.08	− 0.61	− 2.27	308 29 51.62	43.645	− 6.85	−1 9.6	14 5 25.20	+66.36	−12 32 59.6	....
3	Sun II, S.	9	7 40.79	− 0.61	− 2.27	307 57 53.08	42.898	− 6.85	−1 10.9	14 7 37.91	−66.35	−13 5 16.3	....
4	4 B. Ursæ Minoris s. p. ..	7	6 55.57	+16.83	− 2.32	52 5 53.00	44.713	− 6.42	+1 11.8	8 7 10.08	.....	+88 54 11.8	....
5	α^2 Capricorni.	9	13 1.45	− 0.57	**− 2.34**	308 11 51.52	47.118	− 6.42	−1 10.7	20 12 58.56	.....	−12 49 40.9	....
6	ρ Capricorni.	9	23 41.30	− 0.60	**− 2.26**	302 55 51.12	44.425	− 6.42	−1 25.9	20 23 38.38	.....	−18 6 58.0	....
7	ε Delphini.	9	28 53.24	− 0.52	**− 2.30**	332 1 51.45	43.788	− 6.42	− 29.6	20 28 50.40	.....	+10 59 44.0	....
8	α Delphini.	9	35 26.05	− 0.52	**− 2.29**	336 37 49.62	43.160	− 6.42	− 24.1	20 35 23.21	.....	+15 35 33.2	....
9	ε Aquarii.	9	42 46.33	− 0.56	**− 2.36**	311 11 51.35	46.538	− 6.42	−1 3.7	20 42 43.45	.....	− 9 49 47.4	....
10	μ Aquarii.	9	47 46.10	− 0.56	**− 2.37**	311 41 51.68	47.140	− 6.42	−1 2.6	20 47 43.22	.....	− 9 19 32.2	....
11	32 Vulpeculæ.	9	50 42.49	− 0.53	**− 2.30**	348 43 50.20	45.950	− 6.42	− 11.1	20 50 39.64	.....	+27 42 50.6	....
	October 29, P.												
12	θ^1 Orionis.	9	30 50.55	− 0.49	− 2.38	315 33 53.12	48.750	− 8.26	− 55.6	5 30 47.68	− 2.29	− 5 26 48.7	− 9.4
13	ζ Orionis.	8	36 12.22	− 0.48	**− 2.43**	319 1 53.72	47.220	− 8.26	− 49.3	5 36 9.36	.....	− 1 59 16.8	....
14	κ Orionis.	9	43 28.73	− 0.51	**− 2.41**	311 19 53.00	46.272	− 8.26	−1 4.5	5 43 25.84	.....	− 9 41 54.4	....
15	139 Tauri.	9	52 22.62	− 0.45	− 2.38	346 57 53.90	45.395	− 8.26	− 13.1	5 52 19.79	− 2.65	+25 56 37.7	− 0.2
16	1 Geminorum.	9	58 37.07	− 0.45	**− 2.35**	344 17 53.65	44.408	− 8.26	− 15.9	5 58 34.24	.....	+23 16 12.1	....
17	74 G. Columbæ.	9	2 38.10	− 0.64	− 2.38	291 17 53.25	47.838	− 8.26	−2 24.3	6 2 35.08	− 1.98	−29 44 38.1	−13.5
18	ξ Orionis.	9	6 47.81	− 0.45	− 2.38	335 15 54.35	44.060	− 8.26	− 26.2	6 6 44.98	− 2.37	+11 13 54.6	− 2.7
19	μ Geminorum.	9	17 29.05	− 0.45	**− 2.40**	343 36	......	....	.....	6 17 26.22	.....	+22 33	....
20	8 Monocerotis.	9	18 58.67	− 0.46	**− 2.41**	325 39 51.90	46.342	− 8.26	− 38.8	6 18 55.83	.....	+ 4 38 31.7	....
21	10 Monocerotis.	9	23 29.97	− 0.49	**− 2.36**	316 19 53.18	45.260	− 8.26	− 54.2	6 23 27.10	.....	− 4 42 7.1	....
22	ξ^2 Canis Majoris.	9	31 16.95	− 0.58	− 2.38	298 9 50.58	44.558	− 8.26	−1 45.8	6 31 13.99	.....	−22 53 17.3	....
23	153 H^1. Draconis s. p.	9	35 56.22	+ 0.79	− 2.38	75 33 54.60	42.413	− 8.26	+3 38.5	18 35 54.63	+ 1.48	+65 24 38.0	−19.0
24	α Canis Majoris.	9	41 10.48	− 0.54	− 2.38	304 27 53.85	43.720	− 8.26	−1 22.7	6 41 7.56	.....	−16 35 10.0	....
25	ε Geminorum.	9	49 32.33	− 0.45	− 2.38	334 19 53.20	43.805	− 8.26	− 27.4	6 49 29.50	− 2.15	+13 17 46.4	− 0.8
26	ι Canis Majoris.	9	52 6.83	− 0.55	− 2.38	304 5 53.18	47.235	− 8.26	−1 23.8	6 52 3.90	− 1.82	−16 55 51.5	− 9.6
27	51 H. Cephei.	9	58 13.83	− 6.40	− 2.38	48 11 51.38	44.138	− 8.26	+1 3.9	6 58 5.05	.....	+87 11 23.5	....
28	55 Draconis s. p.	8	9 25.80	+ 0.81	− 2.38	75 7 53.30	44.903	− 8.26	+3 32.5	19 9 24.23	+ 1.08	+65 49 48.4	−21.5
29	λ Ursæ Minoris s. p.	8	12 4.10	+18.15	− 2.38	51 59 53.22	44.068	− 8.26	+1 13.1	19 12 19.87	.....	+89 0 26.4	....
30	β Canis Minoris.	9	22 14.47	− 0.45	**− 2.34**	329 29 52.30	46.228	− 8.26	− 33.5	7 22 11.64	.....	+ 8 28 34.6	....
31	β Geminorum.	9	39 46.16	− 0.45	**− 2.34**	349 15 52.68	46.010	− 8.26	− 10.8	7 39 43.33	.....	+28 14 52.9	....
	October 30, P.												
32	Sun I, S.	9	17 5.29	− 0.52	− 2.41	306 57 50.35	43.190	− 8.69	−1 15.4	14 17 2.36	+66.68	−14 5 18.9	....
33	Sun II, N.	9	19 18.65	− 0.52	− 2.41	307 29 52.75	43.858	− 8.69	−1 14.0	14 19 15.72	−66.68	−13 32 59.6	....
34	Moon I, S.	9	6 10.19	− 0.62	− 2.41	295 43 51.82	46.283	− 8.54	−1 58.2	19 6 7.16	+72.83	−25 18 49.3	....
35	4 B. Ursæ Minoris s. p. ..	9	7 1.61	+15.42	− 2.43	52 5 51.92	44.730	− 8.54	+1 14.1	8 7 14.60	.....	+88 54 12.3	....
36	ρ Capricorni.	9	23 41.38	− 0.55	**− 2.44**	302 55 52.30	44.565	− 8.54	−1 28.8	20 23 38.40	.....	−18 6 58.7	....
37	ε Delphini.	9	28 53.26	− 0.44	**− 2.44**	332 1 54.02	43.760	− 8.54	− 30.6	20 28 50.39	.....	+10 59 42.6	....
38	α Delphini.	9	35 26.06	− 0.44	**− 2.43**	336 37 51.90	43.188	− 8.54	− 24.9	20 35 23.19	.....	+15 35 33.3	....
39	ε Aquarii.	9	42 46.29	− 0.50	**− 2.43**	311 11 53.15	46.618	− 8.54	−1 5.8	20 42 43.36	.....	− 9 49 48.1	....
40	76 Draconis.	9	49 21.18	− 2.18	− 2.43	43 11 52.72	45.987	− 8.54	+ 54.4	20 49 16.57	.....	+82 11 57.2	....
41	α Equulei.	9	11 18.02	− 0.45	**− 2.47**	325 53 51.85	45.785	− 8.54	− 39.2	21 11 15.14	.....	+ 4 52 18.3	....
42	1 Pegasi.	9	17 54.32	− 0.43	**− 2.47**	340 25 53.02	46.758	− 8.54	− 20.5	21 17 51.46	.....	+19 25 0.4	....
43	β Aquarii.	9	26 47.73	− 0.49	**− 2.48**	315 3 53.50	44.812	− 8.54	− 57.8	21 26 44.81	.....	− 5 58 20.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 11 33	29.746	61.5	60.9
27 14 5	29.745	68.1	68.4
20 2	29.742	66.0	65.5
20 20	......	....	65.1
20 40	......	....	64.5
20 52	29.744	64.8	64.3
29 5 28	29.440	52.0	51.0
5 50	......	....	51.0
6 13	29.442	52.0	51.0
6 38	......	....	50.1
7 16	......	....	50.0
7 26	29.482	51.0	50.0
7 46	......	....	50.0
8 2	29.502	51.0	50.1
30 14 19	29.64	54.8	53.9
19 4	29.684	52.1	50.7
20 2	29.708	50.5	49.0
20 22	......	....	48.1
20 40	29.726	49.5	48.0
21 0	......	....	47.2
21 15	......	....	46.8
21 28	29.754	48.2	46.3

Micrometer bisections are made at II, VI, except as noted below.

1, 17.	Bisections at I, II, VI, VII.
2, 32.	Bisections at I, II.
3, 30, 33, 37, 39.	Bisections at VI, VII.
4, 27, 35.	Bisections at b_4, b_5, b_6.
9, 22.	Bisections at II, VI, VII.
12.	Bisections at I, II, VII.
23, 28, 40.	Bisections at III, IV, V.
29.	Bisections at b_2, b_4, b_5.
34.	Bisections at II, III, IV, V, VI.

Notes.

4-11.	Hazy.
12-14, 17, 37, 39.	Clouds.
23.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 4.9	+ 8.4	...	+ 13.3
2	+ 6.9	−16 8.3	...	−16 1.4
3	+ 7.0	+16 8.3	...	+16 15.3
32	+ 7.1	+16 9.6	...	+16 16.7
33	+ 7.0	−16 9.6	...	−16 2.6
34	+52 22.5	+15 55.2	...	+68 17.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 30, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ¹ Orionis	5	30 50.64	− 0.48	− 2.46	315 33 53.65	48.880	− 8.58	− 57.9	5 30 47.70	− 2.32	− 5 26 47.7	− 9.3
2	θ² Orionis	5	30 57.13	− 0.48	− 2.46	315 33 53.65	44.778	− 8.59	− 57.9	5 30 54.19	− 2.31	− 5 28 21.8	− 9.3
3	ζ Orionis	9	36 12.26	− 0.47	− **2.45**	319 1 54.70	47.350	− 8.62	− 51.3	5 36 9.33	.....	− 1 59 15.3	....
4	κ Orionis	9	43 28.72	− 0.49	− **2.40**	311 19 53.00	46.450	− 8.66	−1 7.2	5 43 25.77	.....	− 9 41 53.5	....
5	99 B. Camelopardalis	9	52 53.71	− 0.83	− 2.46	27 53 57.15	45.692	− 8.72	+ 31.5	5 52 50.42	− 5.07	+66 53 31.6	+10.1
6	1 Geminorum	9	58 37.17	− 0.43	− **2.44**	344 17 56.10	44.352	− 8.76	− 16.6	5 58 34.28	.....	+23 16 12.1	....
7	24 Ursæ Minoris s. p.	7	4 19.76	+ 6.20	− 2.46	53 59 57.32	44.915	− 8.80	+1 21.8	18 4 23.50	+25.90	+86 59 55.2	−15.2
8	Groombridge 1004	6	12 9.62	− 5.64	− 2.46	47 45 56.50	43.500	− 8.84	+1 5.5	6 12 1.52	−26.15	+86 45 15.0	+15.2
9	8 Monocerotis	9	18 58.66	− 0.44	− **2.39**	325 39 53.28	46.430	− 8.89	− 40.5	6 18 55.76	.....	+ 4 38 32.8	....
10	10 Monocerotis	9	23 30.04	− 0.46	− **2.43**	316 19 53.40	45.412	− 8.92	− 56.6	6 23 27.12	.....	− 4 42 6.4	....
11	ξ² Canis Majoris	9	31 17.03	− 0.56	− 2.46	298 9 50.78	44.880	− 8.97	−1 50.4	6 31 14.01	.....	−22 53 15.0	....
12	S Monocerotis	9	35 59.85	− 0.42	− **2.51**	330 59 55.52	47.150	− 9.00	− 32.8	6 35 56.97	.....	+ 9 58 59.1	....
13	α Canis Majoris	9	41 10.55	− 0.51	− 2.46	304 27 54.32	43.928	− 9.03	−1 26.3	6 41 7.58	.....	−16 35 9.4	....
14	15 Lyncis	9	49 25.40	− 0.60	− 2.46	19 33 56.35	43.418	− 9.08	+ 21.2	6 49 22.34	.....	+58 32 28.3	....
15	105 G. Canis Majoris	9	54 54.51	− 0.57	− 2.46	295 45 51.82	45.760	− 9.12	−2 2.4	6 54 51.48	− 1.76	−25 17 6.0	−11.5
16	o² Canis Majoris	9	59 15.82	− 0.56	− 2.46	297 21 51.85	43.869	− 9.15	−1 54.3	6 59 12.80	− 1.75	−23 41 41.1	−11.1
17	55 Draconis s. p.	9	9 25.77	+ 0.83	− 2.46	75 7 58.25	44.392	− 9.21	+3 41.6	19 9 24.14	+ 1.14	+65 49 46.6	−21.4
18	λ Ursæ Minoris s. p.	4	12 2.92	+17.55	− 2.46	51 59 56.92	43.800	− 9.23	+1 16.2	19 12 18.01	.....	+89 0 26.9	....
19	β Geminorum	9	39 46.22	− 0.38	− 2.46	349 15 55.75	45.968	− 9.40	− 11.2	7 39 43.38	.....	+28 14 53.4	....
20	Groombridge 3402 s. p.	7	50 53.95	+14.61	− 2.46	52 7 54.92	47.165	− 9.48	+1 16.5	19 51 6.10	+40.17	+88 51 12.1	−23.1
21	4 B. Ursæ Minoris	7	7 34.06	−14.89	− 2.46	49 53 58.28	45.905	− 9.58	+1 10.7	8 7 16.71	.....	+88 54 16.2	....
22	Venus II, C	9	49 46.26	− 0.39	− 2.48	323 35 53.48	52.112	− 9.29	− 43.2	11 49 43.39	− 0.54	+ 2 35 4.5	....
	October 31, L.												
23	Sun I, S	8	20 59.08	− 0.49	− 2.48	306 37 53.25	44.395	− 8.95	−1 18.1	14 20 56.11	+66.86	−14 24 51.4	....
24	Sun II, N	9	23 12.80	− 0.49	− 2.48	307 9 54.00	45.018	− 8.95	−1 16.6	14 23 9.83	−66.86	−13 52 34.7	....
25	4 B. Ursæ Minoris s. p.	5	6 57.60	+19.69	− 2.51	52 5 56.32	44.491	− 9.32	+1 15.6	8 7 14.78	.....	+88 54 12.4	....
26	Moon I, S	9	8 45.89	− 0.56	− 2.51	296 57 53.15	46.092	− 9.32	−1 54.8	20 8 42.82	+72.70	−24 4 49.8	....
27	ρ Capricorni	9	23 41.38	− 0.52	− **2.49**	302 55 52.98	44.712	− 9.32	−1 30.4	20 23 38.35	.....	−18 6 57.0	....
28	ε Delphini	9	28 53.26	− 0.44	− **2.46**	332 1 55.62	43.790	− 9.32	− 31.2	20 28 50.31	.....	+10 59 43.7	....
29	α Delphini	9	35 26.12	− 0.44	− **2.50**	336 37 55.88	43.085	− 9.32	− 25.4	20 35 23.17	.....	+15 35 33.6	....
30	ε Aquarii	9	42 46.33	− 0.49	− **2.49**	311 11 53.80	46.732	− 9.32	−1 7.1	20 42 43.33	.....	− 9 49 46.8	....
31	76 Draconis	9	49 21.43	− 2.74	− 2.51	43 11 56.52	45.838	− 9.32	+ 55.5	20 49 16.18	.....	+82 11 57.8	....
32	θ Capricorni	9	0 51.41	− 0.52	− **2.57**	303 27 53.40	42.440	− 9.32	−1 28.9	21 0 48.38	.....	−17 35 47.0	....
33	ν Aquarii	9	4 39.74	− 0.49	− **2.56**	309 17 53.98	45.085	− 9.32	−1 11.8	21 4 36.74	.....	−11 44 28.9	....
34	α Equulei	9	11 18.01	− 0.45	− **2.47**	325 53 53.85	45.792	− 9.32	− 39.8	21 11 15.05	.....	+ 4 52 19.1	....
35	Saturn I, C	5	20 37.23	− 0.47	− 2.51	320 21 55.48	52.536	−10.04	− 49.2	0 20 34.25	+ 0.67	− 0 38 50.5	....
36	Saturn II	5	20 38.58	− 0.47	− 2.51	... .	......	.....	.....	0 20 35.60	− 0.68	.. ..	....
	November 1, P.												
37	4 B. Ursæ Minoris s. p.	9	6 59.72	+22.22	− 2.41	52 5 53.30	44.653	− 9.46	+1 15.7	8 7 19.53	.....	+88 54 12.0	....
38	ρ Capricorni	9	23 41.30	− 0.50	− **2.45**	302 55 52.80	44.675	− 9.46	−1 30.6	20 23 38.39	.....	−18 6 58.4	....
39	ε Delphini	9	28 53.16	− 0.43	− **2.39**	332 1 53.72	43.862	− 9.46	− 31.2	20 28 50.32	.....	+10 59 43.3	....
40	α Delphini	9	35 26.01	− 0.44	− **2.41**	336 37 51.92	43.275	− 9.46	− 25.4	20 35 23.16	.....	+15 35 33.9	....
41	ε Aquarii	9	42 46.23	− 0.46	− **2.44**	311 11 53.62	46.680	− 9.46	−1 7.1	20 42 43.36	.....	− 9 49 48.3	....
42	76 Draconis	9	49 21.19	− 3.06	− 2.41	43 11 51.82	46.052	− 9.46	+ 55.4	20 49 15.72	.....	+82 11 57.8	....
43	θ Capricorni	9	0 51.21	− 0.49	− **2.42**	303 27 53.52	42.470	− 9.46	−1 28.9	21 0 48.31	.....	−17 35 46.4	....
44	Moon I, S	9	10 23.59	− 0 52	− 2.41	299 43 52.22	48.288	− 9.46	−1 42.7	21 10 20.66	+71 74	−21 17 48.6	....
45	1 Pegasi	9	17 54.27	− 0.44	− **2.44**	340 25 53.08	46.840	− 9.46	− 20.9	21 17 51.42	.....	+19 25 1.0	....
46	β Aquarii	9	26 47.68	− 0.45	− **2.49**	315 3 54.30	44.918	− 9.46	− 58.7	21 26 44.82	.....	− 5 58 19.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 5 26	29.86	40.8	38.4
5 44	......	....	38.3
6 7	......	....	37.3
6 24	29.87	39.2	37.0
6 32	......	....	37.0
6 50	......	....	36.6
7 1	......	....	36.6
7 27	29.88	39.0	36.9
7 50	......	....	37.1
8 14	29.885	39.1	37.2
11 51	29.96	45.3	44.2
31 14 24	29.95	49.2	47.8
19 58	29.98	46.3	44.4
20 11	......	....	44.0
20 24	......	....	43.9
20 43	......	....	43.0
21 12	30.00	44.2	42.7
0 22	30.03	40.1	38.1
1 20 2	30.108	46.0	45.5
20 27	......	....	45.0
20 52	30.112	44.9	44.8
21 8	......	....	44.2
21 28	30.118	44.0	44.5

Micrometer bisections are made at II, VI, except as noted below.

1, 23.	Bisections at I, II.
2, 13, 24.	Bisections at VI, VII.
7.	Bisections at b_3, b_7.
8.	Bisections at b_4, b_6.
15, 16, 22, 35.	Bisections at I, II, VI, VII.
17.	Bisections at I, II, III, IV.
18.	Bisections at b_3, b_4, b_5.
20.	Bisections at b_5, b_6, b_7.
21, 37.	Bisections at b_4, b_5, b_6.
25.	Bisections at b_5, b_6, b_7, b_8.
26, 44.	Bisections at II, III, IV, V, VI.
31.	Bisections at III, V.
35.	Z. D. threads C used.
42.	Bisections at III, IV, V.

Notes.

16, 19, 25.	Diffuse.
17, 33.	Very unsteady.
20.	Diffuse and faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
22	+ 5.0	.. ....	+ 0.3	+ 5.3
23	+ 7.1	+16 8.3	...	+16 15.4
24	+ 7.0	−16 8.3	...	−16 1.3
26	+52 12.8	+16 2.5	...	+68 15.3
35	+ 0.6	.. ....	...	+ 0.6
44	+51 12.0	+16 9.1	...	+67 21.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 1, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	φ^1 Orionis	9	29 51.43	− 0.44	− 2.32	330 27 51.32	44.295	−10.46	− 33.9	5 29 48.67	− 2.54	+ 9 25 47.1	− 5.8
2	σ Orionis	9	34 12.86	− 0.46	− 2.32	318 21 52.35	48.250	−10.46	− 53.1	5 34 10.08	− 2.38	− 2 39 0.7	− 8.4
3	ψ^1 Draconis s. p.	9	43 31.56	+ 1.42	− 2.32	68 45 50.95	47.677	−10.46	+2 33.7	17 43 30.66	.....	+72 11 48.3	....
4	α Orionis	8	50 16.65	− 0.44	− **2.28**	328 26	......	.....	. ....	5 50 13.89	.....	+ 7 23	....
5	35 Draconis s. p.	9	53 28.97	+ 1.90	− 2.32	63 59 50.28	46.618	−10.46	+2 2.6	17 53 28.55	.....	+76 58 44.2	....
6	24 Ursæ Minoris s. p.	7	4 16.30	+ 7.95	− 2.32	53 59 52.58	45.197	−10.46	+1 22.6	18 4 21.93	+26.80	+86 59 54.5	−14.8
7	Groombridge 1004	9	12 12.28	− 7.23	− 2.32	47 45 51.82	43.798	−10.46	+1 6.3	6 12 2.73	−27.03	+86 45 16.1	+14.8
8	8 Monocerotis	8	18 58.59	− 0.44	− **2.26**	325 39 50.80	46.560	−10.46	− 41.0	6 18 55.83	.....	+ 4 38 31.2	....
9	10 Monocerotis	9	23 29.94	− 0.45	− **2.28**	316 19 51.22	45.518	−10.46	− 57.3	6 23 27.17	.....	− 4 42 8.4	....
10	ξ^2 Canis Majoris	9	31 16.86	− 0.52	− 2.32	298 9 49.85	44.918	−10.46	−1 51.8	6 31 14.02	.....	−22 53 18.0	....
11	S Monocerotis	9	35 59.73	− 0.43	− **2.32**	330 59 52.25	47.315	−10.46	− 33.3	6 35 56.98	.....	+ 9 58 57.6	....
12	ξ Geminorum	9	40 12.64	− 0.43	− **2.32**	334 1 52.52	44.038	−10.46	− 29.3	6 40 9.89	.....	+12 59 46.8	....
13	15 Lyncis	9	49 25.48	− 0.74	− 2.32	19 33 53.72	43.600	−10.46	+ 21.5	6 49 22.42	.....	+58 32 28.8	....
14	105 G. Canis Majoris	9	54 54.44	− 0.53	− 2.32	295 45 49.60	45.917	−10.46	−2 3.9	6 54 51.59	− 1.82	−25 17 7.5	−11.2
15	o^2 Canis Majoris	9	59 15.71	− 0.52	− 2.32	297 21 49.08	44.010	−10.46	−1 55.6	6 59 12.87	− 1.81	−23 41 43.3	−10.8
16	64 Aurigæ	9	11 43.97	− 0.51	− 2.32	2 3 53.40	45.118	−10.46	+ 2.2	7 11 41.14	− 2.67	+41 2 44.1	+ 9.4
17	19 Lyncis	9	15 28.04	− 0.68	− 2.32	16 27 53.28	45.530	−10.46	+ 17.9	7 15 25.04	.....	+55 27 8.8	....
18	η Canis Majoris	9	20 31.92	− 0.55	− 2.32	291 55 50.92	46.720	−10.46	−2 28.0	7 20 29.05	− 1.65	−29 7 11.9	−11.5
19	β Geminorum	8	39 46.21	− 0.44	− **2.30**	349 15 54.92	45.975	−10.46	− 11.3	7 39 43.45	.....	+28 14 51.6	....
20	Groombridge 3402 s. p.	7	50 44.53	+20.70	− 2.32	52 7 51.92	47.333	−10.46	+1 17.4	19 51 2.91	+42.95	+88 51 11.4	−23.0
21	4 B. Ursæ Minoris	6	7 43.93	−21.51	− 2.32	49 53 52.70	46.143	−10.46	+1 11.4	8 7 20.10	.....	+88 54 15.8	....
	November 2, M.												
22	Sun I, N	9	28 49.06	− 0.47	− 2.33	306 29 55.02	49.228	− 9.77	−1 19.2	14 28 46.26	+67.00	−14 31 1.1	....
23	Sun II, S	9	31 3.06	− 0.47	− 2.33	305 57 54.20	48.668	− 9.77	−1 20.7	14 31 0.26	−67.00	−15 3 16.0	....
24	4 B. Ursæ Minoris s. p.	7	7 0.07	+22.42	− 2.35	52 5 51.48	44.803	− 9.74	+1 15.2	8 7 20.14	.....	+88 54 11.1	....
25	ρ Capricorni	9	23 41.25	− 0.50	− **2.41**	302 55 51.40	44.680	− 9.74	−1 30.1	20 23 38.40	.....	−18 6 59.4	....
26	ε Delphini	9	28 53.12	− 0.44	− **2.35**	332 1 52.52	43.858	− 9.74	− 31.1	20 28 50.33	.....	+10 59 41.8	....
27	α Delphini	4	35 25.95	− 0.44	− **2.36**	336 37 53.92	43.122	− 9.74	− 25.3	20 35 23.16	.....	+15 35 32.0	....
28	ε Aquarii	9	42 46.14	− 0.47	− **2.36**	311 11 51.62	46.745	− 9.74	−1 6.8	20 42 43.32	.....	− 9 49 48.8	....
29	76 Draconis	8	49 20.94	− 3.09	− 2.35	43 11 53.15	46.025	− 9.74	+ 55.2	20 49 15.50	.....	+82 11 57.1	....
30	ν Aquarii	9	4 39.53	− 0.47	− **2.40**	309 17 51.90	45.118	− 9.74	−1 11.6	21 4 36.71	.....	−11 44 30.5	....
31	ζ Cygni	9	9 5.36	− 0.48	− **2.34**	350 51 53.88	48.210	− 9.74	− 9.4	21 9 2.53	.....	+29 51 21.4	....
32	Moon I, S	9	10 5.27	− 0.50	− 2.35	303 53 51.08	42.706	− 9.87	−1 27.2	22 10 2.42	+70.36	−17 9 42.2	....
33	Saturn I, C	5	20 11.91	− 0.46	− 2.35	320 19 52.32	51.569	− 9.99	− 48.8	0 20 9.10	+ 0.61	− 0 41 15.4	....
34	Saturn II	5	20 13.13	− 0.46	− 2.35	... .	......	.....	. ....	0 20 10.32	− 0.61	.. ..	....
	November 2, P.												
35	15 Lyncis	9	49 25.77	− 0.74	− 2.45	19 33 52.85	43.605	− 9.78	+ 21.2	6 49 22.58	.....	+58 32 28.4	....
36	105 G. Canis Majoris	8	54 54.57	− 0.54	− 2.45	295 45 52.90	45.687	− 9.81	−2 2.2	6 54 51.58	− 1.85	−25 17 7.1	−11.1
37	o^2 Canis Majoris	9	59 15.86	− 0.53	− 2.45	297 21 53.12	43.770	− 9.82	−1 54.1	6 59 12.88	− 1.84	−23 41 42.5	−10.6
38	64 Aurigæ	9	11 44.24	− 0.52	− 2.45	2 3 53.08	45.095	− 9.87	+ 2.2	7 11 41.27	− 2.71	+41 2 43.7	+ 9.4
39	19 Lyncis	9	15 28.34	− 0.68	− 2.45	16 27 55.05	45.428	− 9.88	+ 17.6	7 15 25.21	.....	+55 27 8.6	....
40	η Canis Majoris	9	20 32.04	− 0.56	− 2.45	291 55 54.10	46.508	− 9.90	−2 26.0	7 20 29.03	− 1.68	−29 7 10.9	−11.4
41	κ Geminorum	9	38 58.83	− 0.44	− **2.47**	345 38	......	.....	. ....	7 38 55.94	.....	+24 37	....
42	β Geminorum	5	39 46.33	− 0.45	− **2.37**	349 15 54.18	46.068	− 9.97	− 11.2	7 39 43.43	.....	+28 14 53.3	....
43	Groombridge 3402 s. p.	9	50 43.56	+20.34	− 2.45	52 7 52.85	47.308	−10.01	+1 16.4	19 51 1.45	+44.26	+88 51 11.6	−22.9
44	4 B. Ursæ Minoris	9	7 44.39	−21.16	− 2.45	49 53 54.30	46.113	−10.07	+1 10.6	8 7 20.78	.....	+88 54 16.3	....
45	30 Monocerotis	9	21 8.34	− 0.43	− **2.42**	317 25 54.28	44.885	−10.12	− 54.4	8 21 5.46	.....	− 3 36 16.6	....
46	η Cancri	9	27 28.16	− 0.42	− **2.50**	341 45 54.02	47.218	−10.15	− 19.5	8 27 25.29	.....	+20 45 11.2	....
47	6 Hydræ	9	35 44.34	− 0.46	− 2.45	308 53 53.45	44.165	−10.18	−1 13.4	8 35 41.43	.....	−12 8 53.0	....
48	δ Cancri	9	39 32.07	− 0.42	− **2.42**	339 32	......	.....	. ....	8 39 29.20	.....	+18 29	....
49	ι Cancri	9	41 12.65	− 0.44	− **2.41**	350 7 51.98	43.048	−10.20	− 10.3	8 41 9.76	.....	+29 6 43.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 5 27	30.13	37.4	36.7
5 49	....	....	37.9
6 22	30.13	36.0	35.2
6 44	....	....	34.9
7 3	30.13	35.8	35.1
8 9	30.135	36.3	36.0
2 14 31	30.144	46.0	46.0
20 0	30.045	47.7	47.6
20 18	....	....	46.7
20 55	30.05	46.3	45.4
21 27	....	....	45.1
22 14	30.04	45.5	44.7
0 20	30.035	43.2	43.2
6 47	29.972	40.0	39.0
7 4	....	....	39.0
7 26	29.972	40.0	39.1
7 55	....	....	39.3
8 18	29.970	39.8	38.6
8 34	....	....	39.0

Micrometer bisections are made at II, VI, except as noted below.

3, 5.	Bisections at III, IV, V.
6, 20, 21, 24, 43, 44.	Bisections at b_4, b_5, b_6.
7.	Bisections at b_5, b_7, b_9.
12, 23, 27, 42.	Bisections at VI, VII.
14, 36, 47.	Bisections at II, VI, VII.
16, 22.	Bisections at I, II.
18.	Bisections at II, VII.
32.	Bisections at II, III, IV. V, VI.
33.	Z. D. threads C used.
33.	Bisections at I, II, VI, VII.
37, 40.	Bisections at I, II, VI.

Notes.

21, 27, 28, 31. Clouds.
31. Micrometer reading increased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
22	+ 7.1	−16 7.4	...	−16 0.3
23	+ 7.1	+16 7.5	...	+16 14.6
32	+49 12.6	+16 14.5	...	+65 27.1
33	+ 0.6	.. ....	...	+ 0.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	76 Draconis s. p.	9	49 14.96	+ 3.08	− 2.46	58 47 53.48	44.573	−10.23	+1 38.0	20 49 15.58	.....	+82 11 52.1	....
2	Venus II, S.	9	2 55.68	− 0.44	− 2.49	322 19 54.62	44.394	− 9.23	− 45.0	12 2 52.75	− 0.53	+ 1 17 42.8	....
	November 3, P.												
3	Sun I, N.	9	32 45.42	− 0.48	− 2.49	306 11 54.80	46.912	− 8.96	−1 17.5	14 32 42.45	+67.17	−14 49 51.8	....
4	Sun II, S.	9	34 59.77	− 0.48	− 2.49	305 39 54.40	46.270	− 8.96	−1 19.1	14 34 56.80	−67.18	−15 22 8.2	....
5	4 B. Ursæ Minoris s. p.	9	7 1.50	+20.96	− 2.52	52 5 52.72	44.758	− 8.07	+1 13.2	8 7 14.94	.....	+88 54 11.3	....
6	ρ Capricorni	9	23 41.35	− 0.54	**− 2.49**	302 55 53.98	44.410	− 8.15	−1 27.6	20 23 38.29	.....	−18 6 59.0	....
7	ε Delphini	9	28 53.25	− 0.48	**− 2.46**	332 1 54.90	43.695	− 8.18	− 30.2	20 28 50.25	.....	+10 59 42.9	....
8	α Delphini	9	35 26.12	− 0.48	**− 2.51**	336 37 51.75	43.160	− 8.22	− 24.6	20 35 23.12	.....	+15 35 33.1	....
9	ε Aquarii	9	42 46.37	− 0.51	**− 2.56**	311 11 53.92	46.528	− 8.24	−1 5.0	20 42 43.34	.....	− 9 49 48.1	....
10	76 Draconis	9	49 20.96	− 2.95	− 2.52	43 11 53.60	46.000	− 8.28	+ 53.7	20 49 15.49	.....	+82 11 57.9	....
11	ν Aquarii	9	4 39.70	− 0.51	**− 2.54**	309 17 54.12	44.878	− 8.35	−1 9.6	21 4 36.67	.....	−11 44 30.4	....
12	α Equulei	9	11 18.04	− 0.48	**− 2.52**	325 53 52.08	45.735	− 8.39	− 38.6	21 11 15.04	.....	+ 4 52 18.1	....
13	1 Pegasi	9	17 54.33	− 0.48	**− 2.50**	340 25 52.20	46.782	− 8.42	− 20.3	21 17 51.33	.....	+19 25 0.4	....
14	1 H. Draconis s. p.	9	24 5.23	+ 2.80	− 2.52	59 15 53.02	45.372	− 8.45	+1 36.2	9 24 5.51	.....	+81 43 34.3	....
	November 3, L.												
15	50 Draconis s. p.	4	49 18.29	+ 1.66	− 2.55	65 39 58.98	43.162	− 9.05	+2 5.0	18 49 17.40	.....	+75 19 50.7	....
16	γ Canis Majoris	9	59 40.90	− 0.54	**− 2.62**	305 31 53.80	47.597	− 9.05	−1 19.0	6 59 37.81	.....	−15 29 38.5	....
17	β Canis Minoris	9	22 14.87	− 0.49	**− 2.54**	329 29 54.42	46.088	− 9.05	− 33.3	7 22 11.83	.....	+ 8 28 33.2	....
18	κ Geminorum	9	38 58.99	− 0.51	**− 2.53**	345 38	....	....	. ....	7 38 55.93	.....	+24 37	....
19	β Geminorum	4	39 46.61	− 0.52	**− 2.54**	349 15 56.48	45.832	− 9.05	− 10.7	7 39 43.54	.....	+28 14 51.7	....
20	Groombridge 3402 s. p.	8	50 40.39	+20.87	− 2.55	52 7 58.05	47.140	− 9.05	+1 13.0	19 50 58.71	+45.50	+88 51 12.5	−22.9
21	4 B. Ursæ Minoris	9	7 45.44	−21.85	− 2.55	49 53 56.68	46.085	− 9.05	+1 7.4	8 7 21.04	.....	+88 54 15.7	....
22	30 Monocerotis	6	21 8.58	− 0.51	**− 2.55**	317 25 54.32	44.700	− 9.05	− 51.9	8 21 5.52	.....	− 3 36 17.4	....
23	η Cancri	9	27 28.34	− 0.50	**− 2.56**	341 45 55.22	47.032	− 9.05	− 18.6	8 27 25.29	.....	+20 45 10.2	....
24	6 Hydræ	9	35 44.63	− 0.53	− 2.55	308 53 53.10	43.930	− 9.05	−1 10.0	8 35 41.55	.....	−12 8 53.9	....
25	δ Cancri	9	39 32.34	− 0.50	**− 2.58**	339 32	....	....	. ....	8 39 29.29	.....	+18 29	....
26	ι Cancri	9	41 12.87	− 0.52	**− 2.51**	350 7 57.52	42.668	− 9.05	− 9.8	8 41 9.80	.....	+29 5 41.5	....
27	76 Draconis s. p.	9	49 14.94	+ 3.09	− 2.55	58 47 57.15	44.555	− 9.05	+1 33.4	20 49 15.48	.....	+82 11 52.2	....
28	Venus II, S.	9	7 19.40	− 0.48	− 2.48	321 53 54.30	44.232	− 8.24	− 43.7	12 7 16.44	− 0.53	+ 0 51 41.0	....
	November 4, M.												
29	Venus II, S.	9	11 42.93	− 0.34	− 2.38	321 27 51.62	44.082	− 8.25	− 47.4	12 11 40.21	− 0.52	+ 0 25 31.2	....
	November 5, M.												
30	Sun I, S.	9	40 39.98	− 0.42	− 2.38	305 3 53.48	43.883	− 8.56	−1 23.4	14 40 37.18	+67.37	−15 59 7.8	....
31	Sun II, N.	9	42 54.72	− 0.42	− 2.38	305 35 53.62	44.640	− 8.56	−1 21.7	14 42 51.92	−67.37	−15 26 48.5	....
32	4 B. Ursæ Minoris s. p.	7	7 1.57	+24.98	− 2.32	52 5 51.40	44.768	− 9.72	+1 15.6	8 7 24.23	.....	+88 54 11.5	....
33	α Delphini	9	35 25.86	− 0.41	**− 2.35**	336 37 52.98	43.170	− 9.72	− 25.4	20 35 23.13	.....	+15 35 32.2	....
34	ε Aquarii	9	42 46.04	− 0.50	**− 2.27**	311 11 51.30	46.752	− 9.72	−1 7.1	20 42 43.22	.....	− 9 49 49.2	....
35	76 Draconis	6	49 20.86	− 3.39	− 2.32	43 11 55.60	45.878	− 9.72	+ 55.5	20 49 15.15	.....	+82 11 57.5	....
36	θ Capricorni	9	0 51.12	− 0.45	**− 2.43**	303 27 49.78	42.560	− 9.72	−1 29.0	21 0 48.35	.....	−17 35 48.4	....
37	ν Aquarii	9	4 39.41	− 0.42	**− 2.37**	309 17 52.85	45.105	− 9.72	−1 11.9	21 4 36.67	.....	−11 44 30.1	....
38	ζ Cygni	9	9 5.25	− 0.46	**− 2.31**	350 52	....	....	. ....	21 9 2.47	.....	+29 51	....
39	α Equulei	9	11 17.78	− 0.40	**− 2.37**	325 53 52.40	45.810	− 9.72	− 39.9	21 11 15.06	.....	+ 4 52 17.4	....
40	1 Pegasi	8	17 54.04	− 0.42	**− 2.30**	340 25 54.12	46.735	− 9.72	− 20.9	21 17 51.30	.....	+19 24 59.3	....
41	1 H. Draconis s. p.	9	24 4.74	+ 3.43	− 2.32	59 15 52.20	45.330	− 9.72	+1 39.4	9 24 5.85	.....	+81 43 34.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 8 52	29.965	40.0	38.9
12 0	29.959	48.1	47.0
12 5	....	....	47.7
3 14 35	29.92	57.0	58.1
20 2	29.736	56.7	55.6
20 20	....	....	54.9
20 40	....	....	54.1
21 0	29.720	54.9	53.5
21 15	....	....	53.0
21 26	29.707	54.0	53.0
6 45	29.455	52.6	52.6
7 13	......	....	52.9
7 42	....	....	53.0
7 52	....	....	53.0
8 28	29.42	53.5	53.0
8 51	29.41	53.6	53.3
12 8	29.37	58.7	59.1
4 12 12	29.72	35.1	33.4
5 14 43	29.718	41.2	40.3
19 57	29.745	41.4	40.4
20 38	29.765	40.8	39.2
21 15	....	....	38.2
21 28	29.78	39.2	38.2

Micrometer bisections are made at II, VI, except as noted below.

1, 10, 14, 27, 41. Bisections at III, IV, V.
2, 28, 29. Bisections at I, II, VI, VII.
3, 24. Bisections at I, II.
4, 19. Bisections at VI, VII.
5. Bisections at b_4, b_5, b_6.
6, 11, 39. Bisections at II, VI, VII.
15. Bisections at b_1, b_3, b_9.
16. Bisections at I, II, VI.
20, 21. Bisections at b_3, b_5, b_7.
22. Bisections at VI.
30. Bisections at I, II, III.
31. Bisections at V, VI, VII.
32. Bisections at b_5, b_6, b_7.
35. Bisections at b_1, b_8.

Notes.

15. Through clouds; diffuse.
17. Diffuse.
20. Very diffuse and faint.
21. Very diffuse and unsteady.
22. Poor.
32. Very faint.
33–35. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 5.0	+ 8.0	...	+ 13.0
3	+ 7.1	−16 8.1	...	−16 1.0
4	+ 7.2	+16 8.2	...	+16 15.4
28	+ 5.0	+ 8.0	...	+ 13.0
29	+ 5.0	+ 7.9	...	+ 12.9
30	+ 7.2	+16 9.6	...	+16 16.8
31	+ 7.2	−16 9.7	...	−16 2.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, S.	9	58 9.07	− 0.46	− 2.32	321 9 52.65	42.684	−10.17	− 47.9	0 58 6.29	+67.65	+ 0 6 57.8	....
	November 5, P.												
2	50 Draconis s. p.	9	49 17.60	+ 2.09	− 2.42	65 39 53.90	43.188	− 9.93	+2 11.9	18 49 17.27	.....	+75 19 49.2	....
3	υ Draconis s. p.	9	55 30.12	+ 1.67	− 2.42	69 47 54.70	44.698	− 9.93	+2 41.8	18 55 29.37	+ 2.53	+71 10 44.0	−19.4
4	γ Canis Majoris	9	59 40.65	− 0.42	**− 2.43**	305 31 54.62	47.840	− 9.93	−1 23.4	6 59 37.81	.....	−15 29 37.5	....
5	55 Draconis s. p.	9	9 25.10	+ 1.35	− 2.42	75 7 55.98	44.487	− 9.93	+3 43.2	19 9 24.03	+ 1.44	+65 49 46.1	−20.5
6	29 Canis Majoris	9	14 55.28	− 0.46	− 2.42	296 39 53.28	45.222	− 9.93	−1 58.6	7 14 52.40	− 1.85	−24 23 13.8	−10.0
7	η Canis Majoris	9	20 32.13	− 0.48	− 2.42	291 55 54.28	46.617	− 9.93	−2 27.5	7 20 29.23	− 1.78	−29 7 9.8	−10.9
8	κ Geminorum	9	38 58.78	− 0.42	**− 2.34**	345 38	......	....	. ....	7 38 55.94	.....	+24 37	....
9	β Geminorum	9	39 46.41	− 0.44	**− 2.36**	349 15 55.45	46.012	− 9.93	− 11.3	7 39 43.55	.....	+28 14 53.3	....
10	166 B. Camelopardalis	9	49 21.08	− 1.67	− 2.42	35 9 53.22	45.640	− 9.93	+ 42.4	7 49 16.99	.....	+74 9 36.4	....
11	4 B. Ursæ Minoris	9	7 50.28	−25.69	− 2.42	49 53 54.58	46.038	− 9.93	+1 11.5	8 7 22.17	.....	+88 54 15.9	....
12	30 Monocerotis	9	21 8.36	− 0.38	**− 2.40**	317 25 53.78	44.930	− 9.93	− 55.1	8 21 5.56	.....	− 3 36 16.6	....
13	η Cancri	8	27 28.18	− 0.40	**− 2.44**	341 45 54.68	47.172	− 9.93	− 19.7	8 27 25.36	.....	+20 45 10.9	....
14	6 Hydræ	9	35 44.38	− 0.39	− 2.42	308 53 53.58	44.220	− 9.93	−1 14.3	8 35 41.57	.....	−12 8 52.3	....
15	δ Cancri	9	39 32.08	− 0.39	**− 2.36**	339 32	......	....	. ....	8 39 29.27	.....	+18 29	....
16	ι Cancri	9	41 12.77	− 0.43	**− 2.43**	350 7 54.78	42.928	− 9.93	− 10.4	8 41 9.92	.....	+29 5 43.3	....
17	76 Draconis s. p.	9	49 13.73	+ 3.80	− 2.42	58 47 50.40	44.590	− 9.93	+1 39.2	20 49 15.11	.....	+82 11 53.3	....
18	ν Cancri	9	57 26.30	− 0.40	− 2.42	345 49 52.50	46.147	− 9.93	− 15.1	8 57 23.48	− 1.74	+24 48 49.8	+ 9.2
19	Venus I, S.	9	16 6.47	− 0.37	− 2.46	321 1 54.85	43.298	− 9.48	− 47.4	12 16 3.64	+ 0.39	− 0 0 44.7	....
20	Venus II	9	16 7.51	− 0.37	− 2.46	... .	......	....	. ....	12 16 4.68	− 0.65	.. ..	....
21	Mercury C, C.	9	46 9.24	− 0.38	− 2.46	312 1 53.52	44.094	− 9.40	−1 3.9	13 46 6.40	− 0.14	− 9 0 44.2	....
	November 6, P.												
22	Sun I, S.	9	44 38.79	− 0.40	− 2.46	304 45 54.32	43.620	− 9.95	−1 22.8	14 44 35.93	+67.53	−16 17 13.7	....
23	Sun II, N.	9	46 53.85	− 0.40	− 2.46	305 17 55.08	44.345	− 9.95	−1 21.2	14 46 50.99	−67.53	−15 44 54.6	....
24	α Equulei	9	11 17.98	− 0.46	**− 2.52**	325 53 51.90	45.722	− 9.02	− 38.4	21 11 15.02	.....	+ 4 52 17.2	....
25	1 H. Draconis s. p.	9	24 5.32	+ 3.33	− 2.50	59 15 52.55	45.420	− 9.08	+1 35.6	9 24 6.15	.....	+81 43 34.9	....
26	γ Capricorni	9	35 4.61	− 0.50	**− 2.58**	303 57 52.68	45.463	− 9.14	−1 24.0	21 35 1.61	.....	−17 4 33.6	....
27	ε Pegasi	9	39 44.66	− 0.47	**− 2.52**	330 29 52.12	43.305	− 9.16	− 32.1	21 39 41.69	.....	+ 9 27 28.4	....
28	16 Pegasi	9	48 57.07	− 0.51	**− 2.46**	346 31 52.62	43.640	− 9.20	− 13.6	21 48 54.06	.....	+25 29 54.9	....
29	ι Aquarii	9	1 33.12	− 0.50	**− 2.55**	306 44	......	....	. ....	22 1 30.12	.....	−14 21	....
30	ι Pegasi	9	2 48.30	− 0.51	**− 2.42**	345 55 54.22	44.182	− 9.27	− 14.2	22 2 45.29	.....	+24 54 8.2	....
31	θ Pegasi	9	5 38.34	− 0.48	**− 2.48**	326 45 51.72	47.555	− 9.29	− 37.1	22 5 35.36	.....	+ 5 45 0.0	....
32	29 H. Camelopardalis s. p.	9	16 22.09	+ 5.33	− 2.50	56 17 51.20	42.917	− 9.34	+1 25.2	10 16 24.92	.....	+84 42 43.8	....
33	Moon I, S.	9	52 48.35	− 0.46	− 2.50	327 15 53.58	45.693	− 9.66	− 36.6	1 52 45.39	+67.82	+ 6 14 19.3	....
	November 6, L.												
34	e Geminorum	9	49 32.72	− 0.52	− 2.52	334 19 54.20	43.732	− 9.94	− 27.3	6 49 29.68	− 2.39	+13 17 44.4	− 0.3
35	ι Canis Majoris	9	52 7.26	− 0.55	− 2.52	304 5 53.42	47.165	− 9.94	−1 23.7	6 52 4.19	− 2.05	−16 55 54.5	− 8.6
36	22 Canis Majoris	8	58 8.47	− 0.61	− 2.52	293 15 53.48	43.853	− 9.94	−2 11.6	6 58 5.34	− 1.94	−27 47 58.1	−10.8
37	19 Lyncis	9	15 28.77	− 0.90	− 2.52	16 27 56.52	45.395	− 9.94	+ 16.9	7 15 25.35	.....	+55 27 8.5	....
38	η Canis Majoris	9	20 32.41	− 0.62	− 2.52	291 55 52.35	46.298	− 9.94	−2 20.5	7 20 29.27	− 1.81	−29 7 12.1	−10.7
39	κ Geminorum	9	38 59.10	− 0.54	**− 2.51**	345 38	......	....	. ....	7 38 56.04	.....	+24 37	....
40	β Geminorum	7	39 46.72	− 0.55	**− 2.52**	349 15 55.22	45.932	− 9.94	− 10.8	7 39 43.65	.....	+28 14 51.7	....
41	φ Geminorum	9	47 57.51	− 0.55	**− 2.52**	348 1 55.82	44.205	− 9.94	− 12.1	7 47 54.44	.....	+27 0 11.8	....
42	4 B. Ursæ Minoris	8	7 51.91	−24.61	− 2.52	49 53 57.12	46.070	− 9.94	+1 8.0	8 7 24.78	.....	+88 54 15.5	....
43	30 Monocerotis	9	21 8.64	− 0.51	**− 2.52**	317 25 53.35	44.833	− 9.94	− 52.4	8 21 5.61	.....	− 3 36 16.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 0 58	29.79	35.9	34.9
6 47	29.780	33.2	33.0
7 8	......	....	32.0
7 25	29.778	32.0	31.0
7 38	......	....	31.0
8 3	......	....	30.0
8 18	29.768	31.0	30.0
8 55	29.760	31.0	30.0
9 25	29.76	31.3	30.8
12 17	29.740	41.0	40.5
13 47	29.671	46.5	47.5
6 14 47	29.62	47.3	47.3
21 10	29.410	52.0	51.0
21 21	......	....	50.7
21 51	29.400	51.9	50.9
22 8	......	....	51.0
22 19	29.406	50.7	51.0
1 55	29.410	48.5	49.2
6 48	29.38	50.0	49.7
6 59	......	....	49.0
7 21	......	....	48.2
7 51	29.38	48.1	48.0
8 9	......	....	47.9

Micrometer bisections are made at II, VI, except as noted below.

1, 33. Bisections at II, III, IV, V, VI.
2, 3, 5, 17, 25, 32. Bisections at III, IV, V.
6, 7. Bisections at I, II, VI.
9, 23, 40. Bisections at VI, VII.
10. Bisections at III, V.
11. Bisections at b_4, b_5, b_6.
14, 18, 26, 38, 43. Bisections at II, VI, VII.
19, 21. Bisections at I, II, VI, VII.
22, 34. Bisections at I, II.
36. Bisections at V, VI, VII.
42. Bisections at b_3, b_5, b_7.

Notes.

18. Clouds.
26. Faint.
32. Unsteady and fuzzy.
34, 35. Diffuse.
36. Woolly.
38. Diffuse and woolly.
42, 43. Woolly and unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+37 12.4	+16 17.6	...	+53 30.0
19	+ 5.1	+ 7.9	...	+ 13.0
21	+ 8.1	.. ....	+ 1.0	+ 9.1
22	+ 7.3	+16 9.5	...	+16 16.8
23	+ 7.2	−16 9.5	...	−16 2.3
33	+31 51.6	+16 12.5	...	+48 4.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Cancri	9	27 28.43	− 0.52	− **2.53**	341 45 54.15	47.138	− 9.94	− 18.8	8 27 25.39	.....	+20 45 10.5	....
2	ι Cancri	9	41 12.98	− 0.54	− **2.49**	350 7 56.78	42.758	− 9.94	− 9.9	8 41 9.92	.....	+29 5 41.9	....
3	76 Draconis S. P.	9	49 13.80	+ 3.46	− 2.52	58 47 56.90	44.583	− 9.94	+1 34.4	20 49 14.74	.....	+82 11 51.7	....
4	10 Ursæ Majoris	9	54 45.43	− 0.63	− 2.52	3 9 56.65	44.665	− 9.94	+ 3.2	8 54 42.28	.....	+42 8 38.4	....
5	κ Cancri	9	2 50.56	− 0.50	− **2.50**	332 3 53.15	45.380	− 9.94	− 30.2	9 2 47.54	.....	+11 2 17.9	....
6	1 H. Draconis	9	24 11.96	− 3.17	− 2.52	42 43 55.25	45.182	− 9.94	+ 52.9	9 24 6.27	.....	+81 43 38.4	....
7	Venus II, C	9	20 32.17	− 0.48	− 2.54	320 33 52.98	47.955	− 9.59	− 46.6	12 20 29.15	− 0.52	− 0 26 59.4	....
	November 7, L.												
8	4 B. Ursæ Minoris S. P.	5	7 4.64	+21.60	− 2.57	52 5 56.08	44.638	− 9.48	+1 13.0	8 7 23.67	.....	+88 54 12.0	....
9	ε Aquarii	9	42 46.33	− 0.55	− **2.54**	311 11 53.58	46.555	− 9.48	−1 4.8	20 42 43.21	.....	− 9 49 48.9	....
10	76 Draconis	9	49 20.69	− 3.07	− 2.57	43 11 58.30	45.858	− 9.48	+ 53.5	20 49 15.05	.....	+82 11 57.8	....
11	θ Capricorni	9	0 51.37	− 0.57	− **2.59**	303 27 52.65	42.288	− 9.48	−1 25.8	21 0 48.23	.....	−17 35 48.3	....
12	ν Aquarii	9	4 39.69	− 0.55	− **2.55**	309 17 53.70	44.940	− 9.48	−1 9.4	21 4 36.57	.....	−11 44 30.3	....
13	ζ Cygni	9	9 5.58	− 0.54	− **2.60**	350 51 56.58	47.088	− 9.48	− 9.1	21 9 2.47	.....	+29 51 21.9	....
14	α Equulei	9	11 18.07	− 0.51	− **2.58**	325 53 53.52	45.688	− 9.48	− 38.5	21 11 14.99	.....	+ 4 52 17.5	....
15	ι Capricorni	9	17 12.37	− 0.56	− **2.58**	303 47 53.15	48.388	− 9.48	−1 24.7	21 17 9.24	.....	−17 13 27.3	....
16	1 H. Draconis S. P.	9	24 5.91	+ 2.88	− 2.57	59 15 56.48	45.280	− 9.48	+1 35.9	9 24 6.22	.....	+81 43 34.3	....
	November 8, M.												
17	Moon II, N	9	46 55.26	− 0.53	− 2.43	338 17 54.85	43.897	−10.27	− 22.9	3 46 52.30	−69.25	+17 15 55.8	....
18	Moon S	.	... .	....	....	337 45 53.18	43.638	−10.27	− 23.5	.. ..	.....	+16 43 41.2	....
19	c Persei	9	2 5.82	− 0.67	− 2.43	8 27 53.25	48.660	−10.54	+ 8.7	4 2 2.72	.....	+47 28 11.1	....
20	o^1 Eridani	9	7 28.14	− 0.55	− **2.42**	313 57 51.70	44.870	−10.54	− 59.7	4 7 25.16	.....	− 7 4 25.0	....
21	*A* Eridani	9	10 6.76	− 0.56	− 2.43	310 33 50.70	44.100	−10.54	−1 7.2	4 10 3.77	− 2.68	−10 28 51.3	−11.2
22	212 G. Eridani	9	16 43.88	− 0.60	− 2.43	300 11 49.68	44.320	−10.54	−1 38.7	4 16 40.85	− 2.63	−20 51 18.7	−11.6
23	υ^7 Eridani	9	32 4.13	− 0.67	− 2.43	290 17 51.45	48.012	−10.54	−2 34.2	4 32 1.03	− 2.58	−30 44 48.1	−12.1
24	35 B. Camelopardalis	8	36 39.24	− 1.72	− 2.43	36 45 52.15	48.020	−10.54	+ 43.2	4 36 35.09	.....	+75 46 29.9	....
25	μ Eridani	9	40 59.78	− 0.54	− **2.44**	317 35 51.72	47.785	−10.54	− 52.6	4 40 56.81	.....	− 3 25 11.5	....
26	π^4 Orionis	9	46 24.04	− 0.52	− 2.43	326 27 51.05	47.878	−10.54	− 38.2	4 46 21.09	− 2.77	+ 5 27 4.3	− 8.3
27	π^1 Orionis	9	49 55.62	− 0.52	− 2.43	331 1 52.35	45.940	−10.54	− 31.9	4 49 52.67	− 2.82	+10 0 27.6	− 7.4
28	ι Tauri	9	57 41.74	− 0.53	− **2.43**	342 27 52.08	48.548	−10.54	− 18.2	4 57 38.78	.....	+21 27 40.6	....
29	ε Leporis	9	1 39.58	− 0.61	− 2.43	298 33 49.25	44.248	−10.54	−1 45.5	5 1 36.54	.....	−22 29 28.7	....
30	β Orionis	9	10 12.58	− 0.55	− **2.46**	312 43 51.38	45.400	−10.54	−1 2.4	5 10 9.60	.....	− 8 18 16.1	....
31	τ Orionis	9	13 13.95	− 0.54	− **2.47**	314 5 51.82	44.855	−10.54	− 59.5	5 13 10.98	.....	− 6 56 25.3	....
32	η Orionis (*mean*)	9	19 56.63	− 0.54	− 2.43	318 33 50.62	43.725	−10.54	− 50.9	5 19 53.66	− 2.62	− 2 28 43.7	− 7.9
33	φ^1 Orionis	9	29 51.82	− 0.52	− 2.43	330 27 51.75	44.220	−10.54	− 32.7	5 29 48.87	− 2.71	+ 9 25 46.9	− 5.4
34	σ Orionis	9	34 13.17	− 0.54	− 2.43	318 21 50.15	48.252	−10.54	− 51.3	5 34 10.20	− 2.54	− 2 39 1.1	− 7.6
35	κ Orionis	9	43 29.07	− 0.55	− **2.46**	311 19 51.18	46.388	−10.54	−1 5.6	5 43 26.09	.....	− 9 41 57.0	....
36	α Orionis	9	50 17.03	− 0.52	− **2.40**	328 26	......	.....	. ....	5 50 14.08	.....	+ 7 23	....
37	35 Draconis S. P.	7	53 28.86	+ 1.84	− 2.43	63 59 49.95	46.930	−10.54	+1 58.5	17 53 28.27	.....	+76 58 41.6	....
38	ν Orionis	9	2 24.74	− 0.52	− **2.35**	335 47 52.42	46.740	−10.54	− 25.9	6 2 21.79	.....	+14 46 52.1	....
39	40 Draconis S. P.	9	6 48.12	+ 2.38	− 2.43	60 59 51.30	45.217	−10.54	+1 44.3	18 6 48.07	+ 7.72	+79 59 33.6	−14.0
40	Venus II, S	9	29 22.41	− 0.52	− 2.48	319 41 52.08	45.215	−10.29	− 48.9	12 29 19.41	− 0.51	− 1 20 5.9	....
	November 9, M.												
41	Sun I, N	9	56 39.86	− 0.57	− 2.48	304 23 53.10	47.962	−10.03	−1 22.6	14 56 36.81	+67.79	−16 37 35.6	....
42	Sun II, S	9	58 55.45	− 0.57	− 2.48	303 51 54.08	47.172	−10.03	−1 24.3	14 58 52.40	−67.80	−17 9 54.2	....
43	ν Aquarii	9	4 39.67	− 0.55	− **2.56**	309 17 48.80	45.048	− 9.26	−1 8.9	21 4 36.59	.....	−11 44 31.8	....
44	ζ Cygni	9	9 5.46	− 0.52	− **2.53**	350 52	......	.....	. ....	21 9 2.41	.....	+29 51	....
45	α Equulei	9	11 18.04	− 0.50	− **2.59**	325 53 49.52	45.792	− 9.26	− 38.2	21 11 15.01	.....	+ 4 52 16.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 8 28	......	....	47.0
8 56	......	....	48.0
9 12	29.40	47.1	48.1
9 26	......	....	48.0
12 21	29.49	51.3	52.7
7 20 10	29.45	53.0	52.0
20 43	......	....	51.0
20 59	29.45	52.1	50.8
21 18	......	....	50.1
21 56	29.45	50.0	49.0
8 3 47	29.572	47.5	46.9
4 0	29.575	47.2	46.3
4 14	......	....	46.3
4 30	......	....	46.5
4 55	29.58	46.9	46.1
5 17	......	....	45.8
5 39	......	....	45.2
6 13	29.59	46.0	45.2
12 29	29.645	46.8	46.4
9 14 59	29.636	53.9	54.7
20 44	29.62	57.2	57.1
21 14	......	....	56.9

Micrometer bisections are made at II, VI, except as noted below.

3, 6, 16, 37, 39. Bisections at III, IV, V.
7, 40. Bisections at I, II, VI, VII.
8. Bisections at b_3, b_5, b_7.
10. Bisections at III, V.
17. Bisections at I, II, III.
18. Bisections at V, VI, VII.
20, 38, 41, 43. Bisections at I, II.
22. Bisections at I, II, VI.
24. Bisections at IV, V.
42. Bisections at VI, VII.

Notes.

3. Woolly.
4, 5. Unsteady.
6. Very diffuse; unsteady.
8. Faint.
32. Assumed that mean was observed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 5.1	.. ....	+ 0.3	+ 5.4
17	+21 16.8	−15 52.1	...	+ 5 24.7
18	+21 47.2	+15 52.1	0.0	+37 39.3
40	+ 5.1	+ 7.7	...	+ 12.8
41	+ 7.3	−16 9.3	...	−16 2.0
42	+ 7.3	+16 9.3	...	+16 16.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	1 Pegasi	9	17 54.26	− 0.50	− **2.50**	340 25 51.08	46.775	− 9.26	− 20.0	21 17 51.23	.....	+19 24 58.7	....
2	ξ Aquarii	9	32 55.99	− 0.53	− **2.47**	312 45 49.05	46.502	− 9.26	−1 1.0	21 32 52.93	.....	− 8 15 50.6	....
3	ε Pegasi	9	39 44.64	− 0.50	− **2.52**	330 29 50.05	43.398	− 9.26	− 32.0	21 39 41.61	.....	+ 9 27 28.4	....
	November 9, P.												
4	Moon N	.	.. ..	.....	....	341 59 52.58	44.090	− 9.69	− 18.6	.. ..	.....	+20 58 2.0	....
5	Moon II, S	9	44 37.42	− 0.49	− 2.63	341 27 51.95	44.727	− 9.69	− 19.2	4 44 34.30	−69.92	+20 26 10.6	....
	November 10, P.												
6	Sun I, N	9	0 42.02	− 0.54	− 2.62	304 7 53.48	45.455	− 9.96	−1 23.8	15 0 38.86	+68.00	−16 54 33.6	....
7	Sun II, S	9	2 58.03	− 0.54	− 2.62	303 35 52.52	44.660	− 9.96	−1 25.5	15 2 54.87	−68.01	−17 26 54.3	....
8	ν Aquarii	9	4 39.71	− 0.53	− **2.63**	309 17 50.65	45.030	− 9.46	−1 8.8	21 4 36.57	.....	−11 44 30.7	....
9	ζ Cygni	9	9 5.49	− 0.51	− **2.59**	350 51 51.75	47.298	− 9.46	− 9.0	21 9 2.37	.....	+29 51 22.0	....
10	α Equulei	9	11 18.07	− 0.49	− **2.64**	325 53 50.38	45.805	− 9.46	− 38.2	21 11 14.97	.....	+ 4 52 17.3	....
11	ι Capricorni	9	17 12.40	− 0.55	− **2.66**	303 49 47.52	43.332	− 9.46	−1 24.1	21 17 9.24	.....	−17 13 27.9	....
12	1 H. Draconis s. p.	9	24 6.71	+ 2.62	− 2.61	59 15 52.45	45.480	− 9.46	+1 35.3	9 24 6.72	.....	+81 43 34.3	....
13	ξ Aquarii	9	32 56.17	− 0.52	− **2.67**	312 45 51.38	46.472	− 9.46	−1 1.2	21 32 53.04	.....	− 8 15 49.4	....
14	ε Pegasi	9	39 44.72	− 0.49	− **2.62**	330 29 50.15	43.452	− 9.46	− 32.1	21 39 41.62	.....	+ 9 27 29.4	....
15	16 Pegasi	9	48 57.12	− 0.50	− **2.58**	346 31 53.18	43.645	− 9.46	− 13.6	21 48 54.01	.....	+25 29 55.3	....
	November 10, L.												
16	θ² Orionis	9	30 57.51	− 0.49	− 2.63	315 33 53.08	44.672	− 9.88	− 56.3	5 30 54.39	− 2.57	− 5 28 24.1	− 7.9
17	158 H¹. Cephei	6	32 53.51	− 4.48	− 2.63	46 7 53.55	48.700	− 9.88	+1 0.0	5 32 46.40	.....	+85 9 4.2	....
18	Moon N	.	.. ..	.....	....	344 21 51.70	45.253	− 9.88	− 16.1	.. ..	.....	+23 20 29.0	....
19	Moon II, S	9	42 57.96	− 0.48	− 2.63	343 49 51.05	47.012	− 9.88	− 16.6	5 42 54.85	−70.13	+22 49 5.3	....
20	156 H¹. Draconis s. p.	9	34 7.33	+ 1.76	− 2.63	63 29 55.15	46.585	−10.46	+1 55.2	18 34 6.46	+ 5.54	+77 28 47.5	−16.6
21	ξ Geminorum	9	40 13.27	− 0.47	− **2.65**	334 1 53.75	43.870	−10.46	− 28.0	6 40 10.17	.....	+12 59 45.7	....
22	15 Lyncis	9	49 26.38	− 0.74	− 2.63	19 33 55.75	43.520	−10.46	+ 20.5	6 49 23.01	.....	+58 32 28.2	....
23	υ Draconis s. p.	9	55 30.28	+ 1.20	− 2.63	69 47 53.72	45.003	−10.46	+2 35.8	18 55 28.85	+ 2.84	+71 10 44.3	−18.7
24	o² Canis Majoris	9	59 16.34	− 0.59	− 2.63	297 21 51.92	43.588	−10.46	−1 50.6	6 59 13.12	− 2.07	−23 41 45.1	− 9.2
25	δ Draconis s. p.	9	12 32.02	+ 1.01	− 2.63	73 27 55.70	44.536	−10.46	+3 12.4	19 12 30.40	.....	+67 30 16.7	....
26	29 Canis Majoris	9	14 55.86	− 0.60	− 2.63	296 39 51.05	45.050	−10.46	−1 54.0	7 14 52.63	− 2.00	−24 23 16.1	− 8.9
27	η Canis Majoris	9	20 32.63	− 0.64	− 2.63	291 55 54.38	46.246	−10.46	−2 21.7	7 20 29.36	− 1.93	−29 7 12.9	− 9.9
28	β Geminorum	9	39 46.90	− 0.50	− **2.61**	349 15 56.15	45.908	−10.46	− 10.9	7 39 43.77	.....	+28 14 51.7	....
29	φ Geminorum	9	47 57.67	− 0.50	− **2.59**	348 1 55.60	44.222	−10.46	− 12.2	7 47 54.54	.....	+27 0 11.3	....
30	4 B. Ursæ Minoris	5	7 50.96	−19.67	− 2.63	49 53 56.00	46.155	−10.46	+1 8.5	8 7 28.66	.....	+88 54 15.8	....
31	θ Hydræ	4	9 39.53	− 0.51	− **2.62**	323 44	......	.....	. ....	9 9 36.39	.....	+ 2 42	....
32	α Hydræ	9	23 8.65	− 0.54	− **2.61**	312 45 53.28	47.268	−10.46	−1 2.2	9 23 5.48	.....	− 8 15 31.2	....
33	o Leonis	8	36 19.17	− 0.51	[−**2.60**]	331 19 54.18	46.255	−10.46	− 31.5	9 36 16.03	.....	+10 18 37.2	....
	November 11, M.												
34	156 H¹. Draconis s. p.	9	34 6.98	+ 1.71	− 2.44	63 29 49.68	46.737	− 9.85	+1 58.8	18 34 6.25	+ 5.63	+77 28 45.3	−16.4
	November 11, L.												
35	Moon N	.	.. ..	.....	....	345 17 53.78	49.915	− 9.87	− 15.5	6 39	.....	+24 18 17.2	....
36	Moon S	.	.. ..	.....	....	344 47 53.08	47.432	− 9.87	− 16.1	.. ..	.....	+23 47 18.5	....
	November 11, M.												
37	Moon II	9	40 59.12	− 0.49	− 2.44	345 4	......	.....	. ....	6 40 56.19	−69.67	.. ..	....
38	15 Lyncis	9	49 26.19	− 0.72	− 2.44	19 33 50.68	43.720	− 9.92	+ 21.2	6 49 23.03	.....	+58 32 28.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 21 37	29.635	56.8	56.9
4 40	29.671	51.0	50.1
4 45	......	....	50.0
10 15 3	29.695	53.5	54.1
21 2	29.706	58.5	59.3
21 20	......	....	57.5
21 30	......	....	56.9
21 44	......	....	55.2
21 51	29.732	56.0	55.2
5 28	29.739	50.9	50.0
5 45	29.74	50.8	50.0
6 35	......	....	50.5
6 47	29.74	50.6	50.0
7 0	......	....	50.0
7 16	......	....	49.6
7 23	......	....	49.7
7 49	29.74	50.1	49.4
8 23	......	....	50.1
9 25	29.715	49.8	48.2
9 37	......	....	48.0
11 6 29	29.87	39.8	38.4
6 44	......	....	37.6

Micrometer bisections are made at II, VI, except as noted below.

1, 6, 16.	Bisections at I, II.
4, 18, 35.	Bisections at I, II, III.
5, 19, 36.	Bisections at V, VI, VII.
7, 26.	Bisections at VI, VII.
8, 24.	Bisections at II, VI, VII.
12, 20, 34.	Bisections at III, IV, V.
17.	Bisections at IV, V.
22.	Bisections at II, III.
23.	Bisections at II, III, IV.
25.	Bisections at b_3, b_5, b_7, b_9.
27.	Bisections at I, II, VI, VII.
30.	Bisections at b_1, b_3, b_5.
32, 33.	Bisections at I, II, VI.

Notes.

16.	Hazy.
20–33.	Fog.
23, 24.	Unsteady.
29.	Diffuse.
30.	Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+17 30.6	−15 40.8	...	+ 1 49.8
5	+18 1.0	+15 40.8	− 0.6	+33 41.2
6	+ 7.3	−16 10.3	...	−16 3.0
7	+ 7.4	+16 10.3	...	+16 17.7
18	+15 1.3	−15 27.0	...	− 25.7
19	+15 31.2	+15 27.0	− 0.2	+30 58.0
35	+13 54.9	−15 15.1	+ 0.7	−1 19.5
36	+14 24.1	+15 15.1	...	+29 39.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	22 Canis Majoris	9	58 8.53	− 0.63	− 2.44	293 15 51.22	44.188	− 9.96	−2 16.9	6 58 5.46	− 2.08	−27 47 57.9	− 9.9
2	29 Canis Majoris	9	14 55.68	− 0.60	− 2.44	296 39 49.75	45.252	−10.03	−1 57.4	7 14 52.64	− 2.03	−24 23 15.6	− 8.7
3	ι Geminorum	9	20 6.47	− 0.48	− **2.46**	348 59 53.55	45.935	−10.06	− 11.5	7 20 3.55	.....	+27 58 49.5	....
4	β Geminorum	9	39 46.79	− 0.48	− **2.48**	349 15 53.35	46.000	−10.15	− 11.2	7 39 43.87	.....	+28 14 51.0	....
5	9 Puppis	9	47 35.61	− 0.54	− 2.44	307 23 49.20	43.890	−10.18	−1 17.2	7 47 32.63	.....	−13 39 7.3	....
6	4 B. Ursæ Minoris	6	7 54.48	−19.39	− 2.44	49 53 48.72	46.358	−10.28	+1 10.4	8 7 32.65	.....	+88 54 15.9	....
7	58 Camelopardalis	9	13 7.03	− 0.72	− 2.44	19 1 52.12	46.600	−10.30	+ 20.5	8 13 3.87	− 3.23	+58 1 34.9	+18.4
8	30 Monocerotis	9	21 8.68	− 0.49	− **2.42**	317 25 51.18	44.948	−10.34	− 54.2	8 21 5.75	.....	− 3 36 18.3	....
9	θ Cancri	9	26 26.10	− 0.47	− 2.44	339 25 52.98	44.998	−10.36	− 22.1	8 26 23.19	− 2.07	+18 24 16.7	+ 6.8
10	73 Draconis s. p.	9	32 43.16	+ 1.43	− 2.44	66 19 49.65	46.147	−10.39	+2 14.8	20 32 42.15	.....	+74 38 43.4	....
11	γ Cancri	9	38 2.83	− 0.47	− **2.45**	342 49 52.82	43.790	−10.41	− 18.2	8 37 59.92	.....	+21 47 52.7	....
12	ι Cancri	8	41 13.02	− 0.48	− **2.42**	350 7 54.08	42.865	−10.43	− 10.3	8 41 10.10	.....	+29 5 40.5	....
13	76 Draconis s. p.	9	49 13.50	+ 2.76	− 2.44	58 47 48.55	44.800	−10.46	+1 37.8	20 49 13.82	.....	+82 11 52.2	....
14	ρ Ursæ Majoris	9	54 22.46	− 1.00	− 2.44	28 59 52.98	44.505	−10.49	+ 32.9	8 54 19.02	− 3.26	+67 59 0.2	+22.8
15	ω Hydræ	9	1 12.53	− 0.48	− 2.44	326 29 50.08	44.042	−10.52	− 39.2	9 1 9.61	− 1.72	+ 5 27 34.7	+ 3.5
16	θ Hydræ	9	9 39.36	− 0.48	− **2.45**	323 43 52.08	45.630	−10.57	− 43.4	9 9 36.44	.....	+ 2 42 8.5	....
17	83 Cancri	9	13 55.57	− 0.47	− **2.41**	339 7 53.32	43.325	−10.58	− 22.6	9 13 52.66	.....	+18 5 38.1	....
18	1 H. Draconis	9	24 11.91	− 2.57	− 2.44	42 43 53.58	45.207	−10.62	+ 55.0	9 24 6.90	.....	+81 43 38.7	....
19	Venus II, S	9	42 41.23	− 0.44	− 2.48	318 21 51.48	45.420	−10.54	− 52.9	12 42 38.31	− 0.51	− 2 40 6.1	....
20	Mercury C, C	9	57 54.53	− 0.46	− 2.48	311 27 51.60	46.186	−10.54	−1 7.1	13 57 51.59	− 0.08	− 9 34 2.6	....
	November 12, M.												
21	Sun I, S	9	8 48.21	− 0.48	− 2.48	303 1 52.80	47.176	−10.20	−1 30.7	15 8 45.25	+68.25	−18 0 2.1	....
22	Sun II, N	9	11 4.70	− 0.48	− 2.48	303 33 52.22	48.098	−10.20	−1 28.9	15 11 1.74	−68.24	−17 27 39.7	....
23	4 B. Ursæ Minoris s. p.	7	7 16.93	+20.39	− 2.52	52 5 49.75	44.855	−10.09	+1 16.0	8 7 34.80	.....	+88 54 11.2	....
24	76 Draconis	9	49 19.07	− 2.94	− 2.52	43 11 52.70	46.030	−10.09	+ 55.8	20 49 13.61	.....	+82 11 58.0	....
25	ν Aquarii	9	4 39.61	− 0.49	− **2.60**	309 17 50.12	45.255	−10.09	−1 12.3	21 4 36.60	.....	−11 44 30.2	....
26	ζ Cygni	9	9 5.34	− 0.48	− **2.51**	350 51 53.98	47.218	−10.09	− 9.5	21 9 2.34	.....	+29 51 21.4	....
27	α Equulei	9	11 17.91	− 0.45	− **2.55**	325 53 50.62	45.890	−10.09	− 40.1	21 11 14.94	.....	+ 4 52 17.0	....
28	ι Capricorni	9	17 12.24	− 0.52	− **2.56**	303 49 50.45	43.420	−10.09	−1 28.3	21 17 9.20	.....	−17 13 27.7	....
29	1 H. Draconis s. p.	9	24 6.28	+ 3.09	− 2.52	59 15 50.28	45.437	−10.09	+1 40.0	9 24 6.85	.....	+81 43 33.4	....
30	ξ Aquarii	9	32 56.01	− 0.50	− **2.56**	312 45 51.18	46.600	−10.09	−1 4.1	21 32 52.99	.....	− 8 15 50.2	....
31	ε Pegasi	9	39 44.56	− 0.47	− **2.51**	330 29 50.75	43.498	−10.09	− 33.6	21 39 41.57	.....	+ 9 27 29.1	....
32	δ Capricorni	9	42 2.71	− 0.54	− **2.55**	304 29 51.65	45.715	−10.09	−1 26.2	21 41 59.65	.....	−16 32 32.0	....
33	32 H. Cephei	9	20 54.17	− 6.12	− 2.52	46 39 53.25	43.825	−10.09	+1 3.2	22 20 45.53	− 1.41	+85 39 15.4	−28.6
	November 12, P												
34	σ² Canis Majoris	9	59 16.39	− 0.49	− 2.62	297 21 51.68	43.860	−10.67	−1 56.4	6 59 13.28	− 2.13	−23 41 45.0	− 8.8
35	55 Draconis s. p.	9	9 25.01	+ 1.28	− 2.62	75 7 53.82	44.462	−10.67	+3 45.8	19 9 23.67	+ 1.79	+65 49 47.0	−19.6
36	29 Canis Majoris	9	14 55.78	− 0.49	− 2.62	296 39 52.30	45.232	−10.67	−1 59.9	7 14 52.67	− 2.05	−24 23 16.5	− 8.5
37	β Canis Minoris	9	22 15.09	− 0.37	− **2.61**	329 29 51.48	46.368	−10.67	− 35.6	7 22 12.10	.....	+ 8 28 32.7	....
38	Moon II, S	9	37 36.44	− 0.39	− 2.62	344 23 52.00	47.163	−10.67	− 16.8	7 37 33.43	−68.54	+23 23 10.2	....
39	9 Puppis	9	47 35.81	− 0.42	− 2.62	307 23 51.65	43.898	−10.67	−1 18.9	7 47 32.77	.....	−13 39 6.8	....
40	4 B. Ursæ Minoris	7	7 58.13	−23.20	− 2.62	49 53 50.72	46.240	−10.67	+1 12.0	8 7 32.31	.....	+88 54 16.5	....
41	58 Camelopardalis	9	13 7.31	− 0.69	− 2.62	19 1 54.40	46.465	−10.67	+ 21.0	8 13 4.00	− 3.29	+58 1 34.4	+18.4
42	30 Monocerotis	9	21 8.75	− 0.37	− **2.58**	317 25 53.75	44.897	−10.67	− 55.5	8 21 5.76	.....	− 3 36 18.6	....
43	θ Cancri	9	26 26.23	− 0.36	− 2.62	339 25 53.40	45.090	−10.67	− 22.7	8 26 23.25	− 2.11	+18 24 18.3	+ 6.9
44	73 Draconis s. p.	9	32 43.08	+ 1.90	− 2.62	66 19 52.85	45.800	−10.67	+2 17.8	20 32 42.36	.....	+74 38 45.4	....
45	γ Cancri	9	38 2.86	− 0.36	− **2.56**	342 49 52.12	43.912	−10.67	− 18.7	8 37 59.88	.....	+21 47 54.1	....
46	ι Cancri	9	41 13.17	− 0.38	− **2.63**	350 7 52.65	43.005	−10.67	− 10.5	8 41 10.17	.....	+29 5 42.1	....
47	76 Draconis s. p.	9	49 13.29	+ 3.50	− 2.62	58 47 53.20	44.530	−10.67	+1 39.9	20 49 14.17	.....	+82 11 51.8	....
48	ρ Ursæ Majoris	9	54 22.77	− 1.01	− 2.62	28 59 55.20	44.335	−10.67	+ 33.6	8 54 19.14	− 3.34	+67 58 59.1	+22.9

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 7 19	......	....	38.0
7 38	29.88	39.8	....
7 58	......	....	39.0
8 18	......	....	39.8
8 45	......	....	38.9
8 59	29.91	39.8	38.7
9 21	29.915	39.7	37.8
12 43	29.975	38.9	36.7
13 58	29.98	39.8	38.4
12 15 11	29.976	41.6	40.0
19 53	29.955	42.7	41.3
20 43	[illegible]	40.6	39.6
21 29	......	....	37.9
21 48	......	....	37.8
22 24	29.97	37.8	37.6
6 57	30.002	31.0	30.1
7 18	......	....	30.1
7 30	[illegible]	30.9	30.6
7 52	......	....	30.6
8 23	30.012	30.7	30.6
8 57	30.016	30.9	30.8

Micrometer bisections are made at II, VI, except as noted below.

2, 19, 20.	Bisections at I, II, VI, VII.
6, 23, 40.	Bisections at b_4, b_5, b_6.
7.	Bisections at III, VI.
10, 13, 18, 24, 29, 33, 35, 44, 47.	Bisections at III, IV, V.
12, 16.	Bisections at VI, VII.
14, 41, 48.	Bisections at III, V.
21.	Bisections at I, II, III.
22.	Bisections at V, VI, VII.
26, 31.	Bisections at I, II.
34.	Bisections at I, II, VI.
36.	Bisections at I, II, VII.
38.	Bisections at II, III, IV, V, VI.
42.	Bisections at II, VI, VII.

Note.
1 Woolly.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	+ 5.2	+ 7.6	...	+ 12.8
20	+ 6.9	.. ....	+ 0.6	+ 7.5
21	+ 7.4	+16 11.2	...	+16 18.6
22	+ 7.4	−16 11.2	...	−16 3.8
38	+14 36.3	+15 5.2	...	+29 41.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Cancri	9	2 50.71	− 0.34	− **2.61**	332 3 51.58	45.525	−10.67	− 32.0	9 2 47.75	.....	+11 2 17.1	....
2	θ Hydræ	9	9 39.42	− 0.35	− **2.60**	323 43 52.68	45.695	−10.67	− 44.4	9 9 36.45	.....	+ 2 42 9.7	....
3	83 Cancri	9	13 55.65	− 0.34	− **2.58**	339 7 54.38	43.400	−10.67	− 23.1	9 13 52.69	.....	+18 5 40.2	....
4	1 H. Draconis	9	24 12.61	− 2.90	− 2.62	42 43 52.48	45.177	−10.67	+ 56.1	9 24 7.09	.....	+81 43 38.0	....
5	Venus I, S	9	47 7.70	− 0.39	− 2.62	317 55 52.18	43.575	−11.02	− 54.1	12 47 4.69	+ 0.37	− 3 6 49.2	....
6	Venus II	9	47 8.67	− 0.39	− 2.62	... .	......	.....	. ....	12 47 5.66	− 0.60	.. ..	....
7	Mercury II, C	9	1 30.86	− 0.42	− 2.62	311 7 54.10	47.752	−10.73	−1 8.2	14 1 27.82	− 0.23	− 9 53 25.6	....
	November 13, P.												
8	Sun I, S	8	12 53.04	− 0.42	− 2.62	302 45 54.40	46.923	−10.76	−1 32.1	15 12 50.00	+68.49	−18 16 8.3	....
9	Sun II, N	9	15 10.02	− 0.42	− 2.62	303 17 52.82	47.915	−10.76	−1 30.3	15 15 6.98	−68.49	−17 43 45.3	....
10	β Aquarii	9	26 47.63	− 0.43	− **2.63**	315 3 54.02	44.940	−10.40	− 59.4	21 26 44.58	.....	− 5 58 20.9	....
11	ξ Aquarii	9	32 56.02	− 0.44	− **2.64**	312 45 53.95	46.582	−10.40	−1 4.4	21 32 52.96	.....	− 8 15 48.4	....
12	ε Pegasi	9	39 44.62	− 0.41	− **2.64**	330 29 53.58	43.438	−10.40	− 33.7	21 39 41.59	.....	+ 9 27 30.0	....
13	δ Capricorni	9	42 2.73	− 0.47	− **2.65**	304 29 54.52	45.660	−10.40	−1 26.5	21 41 59.64	.....	−16 32 31.0	....
14	16 Pegasi	9	48 57.02	− 0.43	− **2.60**	346 31 54.48	43.702	−10.40	− 14.3	21 48 53.97	.....	+25 29 56.3	....
15	ι Pegasi	9	2 48.24	− 0.43	− **2.56**	345 55 52.40	44.425	−10.40	− 14.9	22 2 45.19	.....	+24 54 10.1	....
16	θ Pegasi	9	5 38.30	− 0.41	− **2.60**	326 45 52.28	47.715	−10.40	− 39.1	22 5 35.27	.....	+ 5 45 1.0	....
17	30 H.Camelopardalis s. P.	9	19 57.26	+ 3.93	− 2.62	57 57 53.00	46.668	−10.40	+1 35.6	10 19 58.57	− 1.85	+83 1 7.2	+27.7
	November 13, L.												
18	29 Canis Majoris	9	14 55.85	− 0.49	− 2.64	296 39 52.70	45.219	−10.96	−1 59.8	7 14 52.72	− 2.08	−24 23 16.7	− 8.3
19	β Canis Minoris	9	22 15.19	− 0.40	− **2.65**	329 29 54.02	46.252	−10.96	− 35.6	7 22 12.15	.....	+ 8 28 32.3	....
20	β Geminorum	9	39 46.97	− 0.43	− **2.64**	349 15 56.25	45.912	−10.96	− 11.4	7 39 43.90	.....	+28 14 50.9	....
21	φ Geminorum	9	47 57.76	− 0.44	− **2.63**	348 1 56.20	44.220	−10.96	− 12.8	7 47 54.68	.....	+27 0 10.8	....
22	χ Geminorum	9	57 57.79	− 0.44	− **2.63**	349 3 56.05	46.498	−10.96	− 11.6	7 57 54.71	.....	+28 3 3.9	....
23	58 Camelopardalis	7	13 7.48	− 0.80	− 2.64	19 1 58.42	46.298	−10.96	+ 21.0	8 13 4.04	− 3.35	+58 1 34.1	+18.4
24	θ Cancri	9	26 26.32	− 0.41	− 2.64	339 25 55.72	44.952	−10.96	− 22.7	8 26 23.27	− 2.14	+18 24 17.2	+ 7.0
25	Moon II, S	9	31 58.50	− 0.43	− 2.64	342 45 54.58	46.245	−10.96	− 18.7	8 31 55.43	−66.98	+21 44 49.6	....
26	α Cancri	9	53 32.39	− 0.40	− **2.64**	333 13 54.38	46.698	−10.96	− 30.4	8 53 29.35	.....	+12 12 48.0	....
	November 14, P.												
27	δ Draconis s. P.	8	12 31.67	+ 1.39	− 2.63	73 27 50.90	44.550	−10.64	+3 20.2	19 12 30.43	.....	+67 30 13.5	....
28	19 Lyncis	9	15 29.19	− 0.65	− 2.63	16 27 54.55	45.455	−10.64	+ 17.8	7 15 25.91	.....	+55 27 8.1	....
29	β Canis Minoris	7	22 15.15	− 0.37	− **2.61**	329 29 50.52	46.410	−10.64	− 35.3	7 22 12.15	.....	+ 8 28 32.8	....
30	β Geminorum	9	39 47.02	− 0.40	− **2.69**	349 15 53.45	46.030	−10.64	− 11.3	7 39 43.99	.....	+28 14 51.2	....
31	φ Geminorum	9	47 57.76	− 0.39	− **2.65**	348 1 51.48	44.420	−10.64	− 12.7	7 47 54.74	.....	+27 0 11.0	....
32	4 B. Ursæ Minoris	7	8 3.27	−24.49	− 2.63	49 53 54.30	46.065	−10.64	+1 11.6	8 7 36.15	.....	+88 54 15.7	....
33	58 Camelopardalis	9	13 7.58	− 0.72	− 2.63	19 1 51.95	46.588	−10.64	+ 20.9	8 13 4.23	− 3.40	+58 1 34.7	+18.4
34	Groombridge 1418	9	27 53.11	− 5.73	− 2.63	46 23 52.48	41.895	−10.64	+1 3.3	8 27 44.75	−13.53	+85 22 30.4	+24.3
35	19 G. Pyxidis	9	35 11.06	− 0.44	− 2.63	298 41 53.18	46.065	−10.64	−1 49.5	8 35 7.99	− 1.73	−22 20 46.4	− 5.7
36	δ Cancri	9	39 32.54	− 0.36	− **2.54**	339 31 52.35	43.015	−10.64	− 22.5	8 39 29.55	.....	+18 29 29.8	....
37	ε Hydræ	9	41 59.32	− 0.45	− **2.59**	327 47 52.72	43.400	−10.64	− 37.9	8 41 56.24	.....	+ 6 45 23.8	....
38	76 Draconis s. P.	9	49 12.13	+ 3.78	− 2.63	58 47 51.82	44.585	−10.64	+1 39.6	20 49 13.28	.....	+82 11 52.4	....
39	ρ Ursæ Majoris	9	54 23.14	− 1.10	− 2.63	28 59 53.25	44.425	−10.64	+ 33.5	8 54 19.41	− 3.50	+67 58 59.1	+23.0
40	κ Cancri	9	2 50.88	− 0.35	− **2.70**	332 3 51.98	45.475	−10.64	− 32.0	9 2 47.90	.....	+11 2 16.4	....
41	θ Hydræ	8	9 39.52	− 0.35	− **2.64**	323 43 52.02	45.692	−10.64	− 44.3	9 9 36.54	.....	+ 2 42 9.1	....
42	Moon II, S	9	23 43.13	− 0.37	− 2.63	340 3 52.65	47.677	−10.64	− 21.9	9 23 40.13	−65.25	+19 3 17.5	....
43	2 Sextantis	9	33 44.03	− 0.34	− 2.63	326 5 52.35	44.790	−10.64	− 40.6	9 33 41.06	− 1.62	+ 5 3 52.5	+ 4.8
44	ψ Leonis	9	38 48.09	− 0.35	− 2.63	335 27 53.40	45.800	−10.64	− 27.6	9 38 45.11	− 1.66	+14 26 29.7	+ 8.3

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
12 9 17	....	....	30.0
9 26	30.022	30.2	30.0
12 45	30.078	37.0	35.2
14 2	[illegible]	38.8	38.0
13 15 15	30.07	40.2	38.9
21 24	30.050	38.0	37.6
21 46	....	....	37.5
22 11	....	....	36.7
[illegible]	30.058	37.1	37.0
7 16	30.045	32.0	31.2
7 24	....	....	31.3
7 49	....	....	30.8
8 16	30.04	31.8	30.8
8 40	....	....	31.0
9 5	30.04	32.1	31.7
14 7 10	29.728	32.0	31.0
7 30	....	....	29.9
7 44	....	....	30.0
7 58	29.756	31.2	29.6
8 32	....	....	28.9
8 59	29.784	30.2	28.0
9 19	....	....	27.0
9 40	29.804	28.6	26.7

Micrometer bisections are made at II, VI, except as noted below.

4, 17, 27. Bisections at III, IV, V.
5, 7, 18. Bisections at I, II, VI, VII.
8. Bisections at I, II, III.
9. Bisections at V, VI, VII.
25, 42. Bisections at II, III, IV, V, VI.
29, 36. Bisections at VI, VII.
32, 34, 38. Bisections at b_4, b_5, b_6.
33, 39. Bisections at III, V.
35. Bisections at II, VI, VII.

Notes.

18–26. Thin clouds.
18. Unsteady.
27. Unsteady; fuzzy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 5.1	+ 7.5	...	+ 12.6
7	+ 6.7	.. ....	+ 0.5	+ 7.2
8	+ 7.4	+16 11.5	...	+16 18.9
9	+ 7.4	−16 11.5	...	−16 4.1
25	+15 58.2	+14 56.6	...	+30 54.8
42	+18 17.3	+14 50.8	...	+33 8.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 15, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Draconis s. p.	9	12 30.71	+ 1.74	− 2.47	73 27 50.92	44.342	−10.56	+3 23.5	19 12 29.98	.....	+67 30 14.7	....
2	19 Lyncis	9	15 29.00	− 0.79	− 2.47	16 27 53.70	45.510	−10.56	+ 18.1	7 15 25.74	.....	+55 27 8.9	....
3	β Canis Minoris	9	22 15.01	− 0.35	− **2.46**	329 29 52.22	46.285	−10.56	− 35.8	7 22 12.19	.....	+ 8 28 31.5	....
4	β Geminorum	9	39 46.86	− 0.42	− **2.48**	349 15 53.22	46.028	−10.56	− 11.5	7 39 43.97	.....	+28 14 50.8	....
5	φ Geminorum	9	47 57.62	− 0.42	− **2.45**	348 1 54.02	44.265	−10.56	− 12.9	7 47 54.73	.....	+27 0 9.9	....
6	μ Cancri	9	2 26.41	− 0.39	− 2.47	342 51 53.98	46.380	−10.56	− 18.7	8 2 23.55	− 2.41	+21 50 52.6	+ 7.2
7	4 B. Ursæ Minoris	7	8 9.29	−29.95	− 2.47	49 53 52.32	46.142	−10.56	+1 12.5	8 7 36.87	.....	+88 54 16.4	....
8	Groombridge 1418	9	27 54.00	− 6.92	− 2.47	46 23 54.20	41.800	−10.56	+1 4.1	8 27 44.61	−13.86	+85 22 30.5	+24.2
9	6 Hydræ	9	35 44.67	− 0.36	− 2.47	308 53 51.55	44.223	−10.56	−1 15.4	8 35 41.84	.....	−12 8 55.9	....
10	δ Cancri	9	39 32.49	− 0.38	− **2.44**	339 31 53.22	42.912	−10.56	− 22.7	8 39 29.64	.....	+18 29 28.4	....
11	ε Hydræ	9	41 59.13	− 0.35	− **2.47**	327 47 52.28	43.355	−10.56	− 38.3	8 41 56.31	.....	+ 6 45 22.2	....
12	14 Hydræ	9	44 49.06	− 0.35	− 2.47	317 55 52.40	45.568	−10.56	− 54.9	8 44 46.24	.....	− 3 6 3.8	....
13	76 Draconis s. p.	6	49 11.33	+ 4.48	− 2.47	58 47 49.02	44.650	−10.56	+1 40.6	20 49 13.34	.....	+82 11 52.5	....
14	ρ Ursæ Majoris	8	54 23.05	− 1.31	− 2.47	28 59 54.18	44.385	−10.56	+ 33.9	8 54 19.27	− 3.58	+67 58 59.6	+23.0
15	κ Cancri	9	2 50.71	− 0.36	− **2.49**	332 3 53.00	45.380	−10.56	− 32.2	9 2 47.88	.....	+11 2 15.1	....
16	θ Hydræ	9	9 39.38	− 0.35	− **2.47**	323 43 51.98	45.625	−10.56	− 44.6	9 9 36.56	.....	+ 2 42 7.3	....
17	1 H. Draconis	9	24 13.84	− 3.78	− 2.47	42 43 51.75	45.141	−10.56	+ 56.4	9 24 7.59	.....	+81 43 36.8	....
18	β Cephei s. p.	9	27 29.36	+ 1.93	− 2.47	70 49 49.78	41.485	−10.56	+2 54.2	21 27 28.82	.....	+70 9 50.5	....
19	Moon II, S	9	12 56.52	− 0.38	− 2.47	336 31 52.68	45.731	−10.59	− 26.4	10 12 53.67	−63.68	+15 30 28.7	....
20	Venus II, S	9	0 33.29	− 0.30	− 2.48	316 35 52.95	43.025	− 9.85	− 56.8	13 0 30.51	− 0.50	− 4 27 2.6	....
21	Mercury C, C	9	14 11.67	− 0.30	− 2.48	309 55 51.25	45.819	− 9.85	−1 10.7	14 14 8.89	− 0.05	−11 6 14.3	....
	November 16, M.												
22	Sun I, N	9	25 11.83	− 0.33	− 2.48	302 31 52.90	46.982	−10.03	−1 31.8	15 25 9.02	+68.69	−18 30 7.4	....
23	Sun II, S	9	27 29.21	− 0.33	− 2.48	301 59 52.65	46.138	−10.03	−1 33.7	15 27 26.40	−68.69	−19 2 28.7	....
24	76 Draconis	9	49 19.88	− 3.95	− 2.49	43 11 52.68	46.085	−10.26	+ 55.0	20 49 13.44	.....	+82 11 58.2	....
25	ν Aquarii	9	4 39.36	− 0.38	− **2.52**	309 17 51.48	45.085	−10.37	−1 11.3	21 4 36.49	.....	−11 44 32.0	....
26	ζ Cygni	9	9 5.24	− 0.44	− **2.52**	350 51 55.00	47.135	−10.40	− 9.4	21 9 2.31	.....	+29 51 20.3	....
27	α Equulei	9	11 17.72	− 0.36	− **2.50**	325 53 52.45	45.758	−10.42	− 39.6	21 11 14.87	.....	+ 4 52 16.0	....
28	1 Pegasi	9	17 54.04	− 0.39	− **2.50**	340 25 54.45	46.708	−10.47	− 20.8	21 17 51.16	.....	+19 24 58.4	....
29	1 H. Draconis s. p.	9	24 6.10	+ 4.14	− 2.49	59 15 52.12	45.488	−10.51	+1 38.6	9 24 7.75	.....	+81 43 32.2	....
30	ξ Aquarii	9	32 55.79	− 0.37	− **2.52**	312 46	......	.....	.....	21 32 52.93	.....	− 8 15	....
31	γ Capricorni	9	35 4.31	− 0.39	− **2.53**	303 57 52.20	45.620	−10.59	−1 26.7	21 35 1.43	.....	−17 4 34.6	....
	November 16, P.												
32	4 B. Ursæ Minoris	9	8 8.17	+31.52	− 2.58	49 53 51.95	46.218	−10.58	+1 10.8	8 8 37.11	.....	+88 54 16.1	....
33	η Cancri	9	27 28.68	− 0.39	− **2.57**	341 45 52.18	47.285	−10.58	− 19.6	8 27 25.71	.....	+20 45 10.4	....
34	δ Cancri	9	39 32.66	− 0.38	− **2.57**	339 31 56.18	42.822	−10.58	− 22.2	8 39 29.70	.....	+18 29 29.8	....
35	ε Hydræ	9	41 59.24	− 0.37	− **2.53**	327 47 51.02	43.450	−10.58	− 37.5	8 41 56.29	.....	+ 6 45 23.7	....
36	ρ^1 Cancri	9	47 12.44	− 0.42	− 2.58	349 41 55.02	45.852	−10.58	− 10.8	8 47 9.44	− 2.25	+28 40 49.0	+11.7
37	ι Ursæ Majoris	9	53 0.68	− 0.60	− 2.58	9 23 51.68	47.968	−10.58	+ 10.0	8 52 57.50	.....	+48 23 55.0	....
38	κ Cancri	9	2 50.87	− 0.37	− **2.61**	332 3 52.18	45.440	−10.58	− 31.6	9 2 47.92	.....	+11 2 16.3	....
39	θ Hydræ	9	9 39.51	− 0.37	− **2.55**	323 43 53.00	45.628	−10.58	− 43.8	9 9 36.56	.....	+ 2 42 9.2	....
40	83 Cancri	9	13 55.74	− 0.38	− **2.49**	339 7 52.68	43.410	−10.58	− 22.8	9 13 52.78	.....	+18 5 39.1	....
41	1 H. Draconis	9	24 14.23	− 3.39	− 2.58	42 43 53.65	45.140	−10.58	+ 55.4	9 24 8.26	.....	+81 43 37.7	....
42	β Cephei s. p.	9	27 29.66	+ 1.71	− 2.58	70 49 53.08	41.500	−10.58	+2 51.2	21 27 28.79	.....	+70 9 50.0	....
43	ψ Leonis	9	38 48.03	− 0.38	− 2.58	335 27 52.02	45.855	−10.58	− 27.3	9 38 45.07	− 1.73	+14 26 29.9	+ 8.6
44	μ Leonis	9	47 36.75	− 0.41	− **2.58**	347 27 52.40	44.630	−10.58	− 13.3	9 47 33.76	.....	+26 26 16.2	....
45	158 B. Cephei s. p.	9	51 43.80	+ 1.98	− 2.58	67 41 53.08	46.232	−10.58	+2 25.8	21 51 43.20	.....	+73 16 27.2	....
46	Moon II, S	9	0 9.27	− 0.38	− 2.57	332 19 52.95	43.142	−10.85	− 31.4	11 0 6.32	−62.49	+11 17 24.5	....
47	Venus I, S	9	5 2.12	− 0.38	− 2.57	316 7 53.70	46.318	−10.46	− 57.4	13 4 59.17	+ 0.42	− 4 53 47.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 7 9	29.815	26.7	24.7
7 44	29.81	25.8	23.8
7 58	......	....	23.8
8 18	......	....	23.9
9 0	29.785	25.7	23.8
9 32	......	....	23.9
10 13	29.78	25.2	23.8
13 1	29.785	31.7	30.1
14 14	29.765	36.8	35.7
16 15 27	29.71	39.8	39.2
20 45	29.64	41.0	40.8
21 2	......	....	40.5
21 31	29.65	40.7	39.9
8 3	29.753	35.2	34.2
8 26	......	....	33.6
8 57	29.760	34.0	32.6
9 18	......	....	32.0
9 37	......	....	31.5
9 53	29.780	32.5	31.4
11 1	29.795	31.5	31.0

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at V, VI, VII.
6, 11, 22, 26.	Bisections at I, II.
7, 32.	Bisections at b_4, b_5, b_6.
8, 17, 24, 29, 41, 42, 45.	Bisections at III, IV, V.
9, 35.	Bisections at II, VI, VII.
13.	Bisections at III, IV.
14, 18.	Bisections at III, V.
19, 46.	Bisections at II, III, IV, V, VI.
20, 21, 47.	Bisections at I, II, VI, VII.
23, 36.	Bisections at VI, VII.
40.	Bisections at II, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	+21 21.1	+14 48.1	...	+36 9.2
20	+ 5.2	+ 7.4	...	+ 12.6
21	+ 6.3	.. ..	+0.4	+ 6.7
22	+ 7.5	−16 10.7	...	−16 3.2
23	+ 7.5	+16 10.6	...	+16 18.1
46	+24 57.8	+14 48.4	...	+39 46.2
47	+ 5.2	+ 7.4	...	+ 12.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Venus II	9	5 3.19	− 0.38	− 2.57	... .	......	.....	. ....	13 5 0.24	− 0.65	.. ..	....
2	Mercury II, C	9	18 56.50	− 0.39	− 2.57	309 27 54.20	46.145	−10.01	−1 12.3	14 18 53.54	− 0.21	−11 34 5.6	....
	November 17, P.												
3	Sun I, N	8	29 20.05	− 0.48	− 2.57	302 17 55.58	44.962	−10.67	−1 33.8	15 29 17.00	+68.89	−18 44 53.5	....
4	Sun II, S	9	31 37.83	− 0.48	− 2.57	301 45 54.38	43.875	−10.67	−1 35.7	15 31 34.78	−68.89	−19 17 21.4	....
5	76 Draconis	9	49 19.43	− 3.88	− 2.55	43 11 53.00	45.980	−10.13	+ 55.8	20 49 13.00	.....	+82 11 57.1	....
6	ι Capricorni	9	17 12.04	− 0.40	**− 2.54**	303 49 53.58	43.295	−10.13	−1 28.4	21 17 9.09	.....	−17 13 27.6	....
7	1 H. Draconis s. p.	9	24 6.58	+ 4.02	− 2.55	59 15 52.00	45.358	−10.13	+1 40.0	9 24 8.05	.....	+81 43 33.5	....
8	ξ Aquarii	9	32 55.88	− 0.38	**− 2.62**	312 45 54.30	46.468	−10.13	−1 4.1	21 32 52.95	.....	− 8 15 50.1	....
9	ε Pegasi	9	39 44.49	− 0.38	**− 2.60**	330 29 52.72	43.422	−10.13	− 33.6	21 39 41.56	.....	+ 9 27 29.2	....
10	δ Capricorni	9	42 2.52	− 0.40	**− 2.56**	304 29 52.40	45.692	−10.13	−1 26.1	21 41 59.57	.....	−16 32 31.7	....
11	16 Pegasi	9	48 56.89	− 0.43	**− 2.53**	346 31 54.10	43.688	−10.13	− 14.2	21 48 53.91	.....	+25 29 55.9	....
12	ι Pegasi	9	2 48.11	− 0.43	**− 2.49**	345 55 53.00	44.340	−10.13	− 14.9	22 2 45.13	.....	+24 54 9.1	....
13	θ Pegasi	9	5 38.13	− 0.38	**− 2.51**	326 45 51.18	47.710	−10.13	− 38.9	22 5 35.20	.....	+ 5 45 0.3	....
	November 17, L.												
14	Mercury C, C	9	23 52.70	− 0.34	− 2.55	308 57 54.45	48.358	−11.01	−1 10.1	14 23 49.81	− 0.04	−12 3 13.6	....
	November 18, L.												
15	Sun I, N	9	33 29.06	− 0.38	− 2.55	302 1 53.25	48.830	− 9.53	−1 29.1	15 33 26.13	+68.93	−18 59 21.6	....
16	Sun II, S	9	35 46.92	− 0.38	− 2.55	301 29 53.22	47.842	− 9.53	−1 31.0	15 35 43.99	−68.93	−19 31 46.0	....
17	76 Draconis	9	49 19.17	− 3.48	− 2.54	43 11 54.98	46.060	−10.62	+ 53.5	20 49 13.15	.....	+82 11 57.6	....
18	ι Capricorni	9	17 12.16	− 0.49	**− 2.59**	303 49 53.88	43.152	−10.76	−1 24.7	21 17 9.13	.....	−17 13 27.5	....
19	1 H. Draconis s. p.	9	24 7.57	+ 3.46	− 2.54	59 15 58.40	45.275	−10.79	+1 35.9	9 24 8.49	.....	+81 43 33.8	....
20	ξ Aquarii	9	32 55.91	− 0.47	**− 2.57**	312 45 53.55	46.435	−10.84	−1 1.5	21 32 52.90	.....	− 8 15 49.7	....
21	ε Pegasi	9	39 44.49	− 0.45	**− 2.54**	330 29 56.15	43.210	−10.87	− 32.3	21 39 41.50	.....	+ 9 27 28.3	....
22	δ Capricorni	9	42 2.64	− 0.49	**− 2.61**	304 29 53.12	45.530	−10.89	−1 22.8	21 41 59.61	.....	−16 32 32.3	....
23	16 Pegasi	9	48 56.91	− 0.49	**− 2.51**	346 31 55.15	43.608	−10.92	− 13.7	21 48 53.88	.....	+25 29 54.9	....
24	ι Pegasi	9	2 48.21	− 0.49	**− 2.54**	345 55 58.62	44.072	−10.99	− 14.3	22 2 45.18	.....	+24 54 8.3	....
25	θ Pegasi	9	5 38.23	− 0.46	**− 2.55**	326 45 55.08	47.500	−11.00	− 37.5	22 5 35.23	.....	+ 5 44 59.9	....
	November 18, M.												
26	ρ Argus	8	3 42.57	− 0.52	− 2.42	297 1 51.50	42.628	−11.52	−1 55.0	8 3 39.63	.....	−24 2 12.9	....
27	β Cancri	9	11 36.79	− 0.44	**− 2.44**	330 29 54.00	45.122	−11.52	− 33.3	8 11 33.93	.....	+ 9 28 8.2	....
28	δ Cancri	9	39 32.63	− 0.44	**− 2.42**	339 31 54.35	42.848	−11.52	− 22.0	8 39 29.77	.....	+18 29 28.0	....
29	ε Hydræ	9	41 59.27	− 0.43	**− 2.43**	327 47 53.12	43.282	−11.52	− 37.1	8 41 56.42	.....	+ 6 45 21.5	....
30	76 Draconis s. p.	9	49 11.56	+ 3.51	− 2.42	58 48	......	.....	. ....	20 49 12.65	.....	+82 11	....
31	ι Ursæ Majoris	9	53 0.50	− 0.63	− 2.42	9 23 53.60	47.962	−11.52	+ 9.9	8 52 57.45	.....	+48 23 55.7	....
32	κ Cancri	9	2 50.76	− 0.44	**− 2.36**	332 3 54.30	45.302	−11.52	− 31.2	9 2 47.90	.....	+11 2 14.7	....
33	θ Hydræ	9	9 39.44	− 0.43	**− 2.35**	323 43 52.48	45.570	−11.52	− 43.2	9 9 36.59	.....	+ 2 42 7.0	....
34	83 Cancri	9	13 55.74	− 0.44	**− 2.37**	339 7 53.52	43.328	−11.52	− 22.5	9 13 52.88	.....	+18 5 37.5	....
35	1 H. Draconis	9	24 13.61	− 3.13	− 2.42	42 43 53.90	45.213	−11.52	+ 54.7	9 24 8.06	.....	+81 43 38.0	....
36	β Cephei s. p.	9	27 29.39	+ 1.48	− 2.42	70 49 51.65	41.685	−11.52	+2 49.0	21 27 28.45	.....	+70 9 50.3	....
37	89 B. Ursæ Majoris	9	34 29.93	− 1.25	− 2.42	30 39 55.70	44.405	−11.52	+ 35.2	9 34 26.26	− 3.10	+69 39 1.9	+25.2
38	14 Leonis Minoris	9	40 54.74	− 0.60	− 2.42	6 31 55.48	48.850	−11.52	+ 6.9	9 40 51.72	− 2.13	+45 32 14.9	+19.4
39	6 Sextantis	9	46 40.37	− 0.44	− 2.42	317 13 51.65	43.820	−11.52	− 54.6	9 46 37.51	.....	− 3 48 45.0	....
40	109 B. Ursæ Majoris	9	50 17.63	− 1.53	− 2.42	34 17 56.45	48.430	−11.52	+ 40.5	9 50 13.68	.....	+73 18 39.9	....
41	π Leonis	9	55 25.71	− 0.43	**− 2.45**	329 29 53.10	47.648	−11.52	− 34.8	9 55 22.86	.....	+ 8 29 3.5	. .

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 13 6	29.836	35.1	32.9
14 20	29.850	36.2	34.2
17 15 32	29.845	36.9	35.7
20 46	29.754	36.0	35.9
21 16	......	....	35.0
21 30	29.746	35.0	35.0
21 47	......	....	34.9
22 7	29.736	34.5	34.5
14 25	29.32	46.0	48.9
18 15 36	29.325	51.8	56.2
20 52	29.49	52 3	52.0
21 18	......	....	51.2
21 34	29.535	51.0	51.0
21 45	......	....	50.2
21 55	......	....	49.8
22 6	29.555	49.7	49.0
7 57	29.745	38.1	38.6
8 12	......	....	38.7
8 45	......	....	38.5
8 57	29.775	38.2	38.6
9 32	......	....	38.0
10 2	29.775	37.7	37.2

Micrometer bisections are made at II, VI, except as noted below.

2, 14.	Bisections at I, II, VI, VII.
3, 15, 28, 39.	Bisections at I, II.
4, 16, 22.	Bisections at VI, VII.
5, 7, 35.	Bisections at III, IV, V.
17.	Bisections at II, III, V, VI.
19.	Bisections at III, IV.
36, 37, 40.	Bisections at III, V.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 6.2	.. ....	+ 0.3	+ 6.5
3	+ 7.5	−16 14.0	...	−16 6.5
4	+ 7.5	+16 13.9	...	+16 21.4
14	+ 6.1	.. ....	+ 0.3	+ 6.4
15	+ 7.5	−16 12.1	...	−16 4.6
16	+ 7.6	+16 12.2	...	+16 19.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II, S.	9	31 32.03	− 0.39	− 2.42	322 31 54.35	44.705	−11.34	− 45.2	12 31 29.22	−61.77	+ 1 29 47.4	....
2	Venus II, S.	9	14 3.69	− 0.42	− 2.42	315 15 53.82	42.912	−11.13	− 58.2	13 14 0.85	− 0.49	− 5 47 7.0	....
3	Mercury C, C.	9	28 59.72	− 0.45	− 2.42	308 29 51.08	43.168	−10.76	−1 12.9	14 28 56.85	− 0.04	−12 33 18.2	....
	November 19, M.												
4	Sun I, S.	9	37 38.63	− 0.49	− 2.42	301 15 55.02	47.702	−10.79	−1 34.6	15 37 35.72	+68.99	−19 45 52.3	....
5	Sun II, N.	8	39 56.61	− 0.49	− 2.42	301 47 54.48	48.675	−10.79	−1 32.6	15 39 53.70	−68.99	−19 13 28.5	....
	November 19, P.												
6	Moon II.	9	17 31.45	− 0.46	− 2.50	317 32	......	.....	. ....	13 17 28.49	−62.38	.. ..	....
7	Venus I, S.	9	18 34.52	− 0.46	− 2.50	314 47 51.45	46.681	−11.02	− 57.5	13 18 31.56	+ 0.37	− 6 13 42.4	....
8	Venus II.	9	18 35.47	− 0.46	− 2.50	... .	......	.....	. ....	13 18 32.51	− 0.58	.. ..	....
9	Mercury II, C.	9	34 16.77	− 0.48	− 2.50	307 57 51.55	46.251	−10.70	−1 13.2	14 34 13.79	− 0.19	−13 4 7.5	....
	November 20, P.												
10	Sun I, S.	9	41 49.45	− 0.50	− 2.50	301 3 51.38	43.130	−10.63	−1 34.4	15 41 46.45	+69.21	−19 59 40.1	....
11	Sun II, N.	9	44 7.86	− 0.50	− 2.50	301 35 51.02	44.165	−10.63	−1 32.5	15 44 4.86	−69.20	−19 27 14.8	....
12	76 Draconis.	9	49 17.91	− 2.58	− 2.49	43 11 49.15	46.225	−10.33	+ 54.2	20 49 12.84	.....	+82 11 57.1	....
13	1 H. Draconis s. p.	9	24 8.31	+ 2.54	− 2.49	59 15 50.95	45.502	−10.33	+1 37.3	9 24 8.36	.....	+81 43 34.2	....
14	ξ Aquarii.	9	32 55.87	− 0.47	− **2.55**	312 45 51.15	46.528	−10.33	−1 2.4	21 32 52.91	.....	− 8 15 50.4	....
15	ε Pegasi.	9	39 44.47	− 0.43	− **2.57**	330 29 49.50	43.510	−10.33	− 32.7	21 39 41.55	.....	+ 9 27 28.6	....
16	∂ Capricorni.	9	42 2.57	− 0.50	− **2.56**	304 29 51.50	45.612	−10.33	−1 23.9	21 41 59.58	.....	−16 32 32.4	....
17	16 Pegasi.	9	48 56.81	− 0.43	− **2.50**	346 31 51.45	43.765	−10.33	− 13.8	21 48 53.89	.....	+25 29 55.3	....
18	ι Aquarii.	9	1 32.97	− 0.49	− **2.59**	306 43 49.80	44.690	−10.33	−1 17.5	22 1 29.99	.....	−14 18 48.8	....
19	ι Pegasi.	9	2 48.01	− 0.43	− **2.43**	345 55 51.75	44.395	−10.33	− 14.5	22 2 45.09	.....	+24 54 9.3	....
20	θ Pegasi.	9	5 38.13	− 0.43	− **2.50**	326 45 49.52	47.740	−10.33	− 37.9	22 5 35.21	.....	+ 5 45 0.1	....
	November 20, L.												
21	δ Draconis s. p.	9	12 31.36	+ 1.10	− 2.50	73 27 55.85	44.355	−12.02	+3 19.2	19 12 29.96	.....	+67 30 15.2	....
22	ι Geminorum.	9	20 6.78	− 0.47	− **2.49**	348 59 55.65	45.918	−12.02	− 11.5	7 20 3.81	.....	+27 58 49.3	....
23	κ Geminorum.	9	38 59.45	− 0.46	− **2.47**	345 37 54.92	46.832	−12.02	− 15.2	7 38 56.49	.....	+24 37 5.7	....
24	ρ Argus.	9	3 42.74	− 0.55	− 2.50	297 1 51.82	42.753	−12.02	−1 56.6	8 3 39.69	.....	−24 2 11.7	....
25	β Cancri.	9	11 36.94	− 0.44	− **2.52**	330 29 53.60	45.212	−12.02	− 33.8	8 11 34.00	.....	+ 9 28 8.9	....
26	19 G. Pyxidis.	9	35 11.30	− 0.55	− 2.50	298 41 52.15	46.067	−12.02	−1 48.8	8 35 8.25	− 1.92	−22 20 47.9	− 4.7
27	δ Cancri.	9	39 32.71	− 0.44	− **2.43**	339 31 54.75	42.935	−12.02	− 22.3	8 39 29.77	.....	+18 29 29.4	....
28	14 Hydræ.	9	44 49.38	− 0.46	− 2.50	317 55 53.30	45.568	−12.02	− 53.9	8 44 46.42	.....	− 3 6 3.4	....
29	σ^2 Cancri (*mean*).	9	48 43.46	− 0.46	− 2.50	351 55 55.35	47.685	−12.02	− 8.4	8 48 40.50	.....	+30 55 32.4	....
30	ρ Ursæ Majoris.	9	54 23.18	− 0.96	− 2.50	28 59 55.75	44.395	−12.02	+ 33.3	8 54 19.72	− 3.95	+67 58 59.1	+23.1
31	κ Cancri.	9	2 50.92	− 0.43	− **2.47**	332 3 53.70	45.430	−12.02	− 31.7	9 2 47.99	.....	+11 2 16.0	....
32	θ Hydræ.	9	9 39.63	− 0.44	− **2.47**	323 43 53.08	45.655	−12.02	− 43.8	9 9 36.69	.....	+ 2 42 8.5	....
33	83 Cancri.	9	13 55.84	− 0.42	− **2.42**	339 7 55.30	43.335	−12.02	− 22.8	9 13 52.92	.....	+18 5 38.6	....
34	1 H. Draconis.	9	24 13.74	− 2.48	− 2.50	42 43 55.55	45.110	−12.02	+ 55.5	9 24 8.76	.....	+81 43 37.7	....
35	θ Ursæ Majoris.	9	26 48.16	− 0.57	− 2.50	13 5 56.50	46.562	−12.02	+ 14.0	9 26 45.09	.....	+52 5 30.2	....
36	ψ Leonis.	9	38 48.19	− 0.42	− 2.50	335 27 53.52	45.802	−12.02	− 27.3	9 38 45.27	− 1.86	+14 26 28.7	+ 9.2
37	Venus II, C.	9	23 7.47	− 0.41	− 2.53	314 21 50.90	45.869	−11.94	−1 0.8	13 23 4.53	− 0.48	− 6 40 5.7	....
38	Mercury II, C.	9	39 41.43	− 0.44	− 2.53	307 25 48.70	48.521	−11.94	−1 17.2	14 39 38.46	− 0.19	−13 35 23.7	....
	November 21, L.												
39	Sun I, S.	9	46 0.79	− 0.49	− 2.53	300 49 51.90	44.870	−11.22	−1 38.2	15 45 57.77	+69.31	−20 13 4.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 12 32	29.79	39.2	38.1
13 14	29.80	42.3	40.8
14 29	29.785	46.9	46.1
19 15 40	29.75	48.8	49.0
13 20	29.810	53.1	54.0
14 35	29.844	54.5	54.1
20 15 44	29.855	55.8	55.8
20 46	29.936	53.5	53.0
20 52	......	....	52.5
21 22	......	....	51.2
21 38	29.960	51.7	51.0
21 58	......	....	50.0
22 6	29.975	50.8	49.8
7 11	30.08	39.9	38.6
7 40	......	....	37.9
8 5	30.08	38.1	37.1
8 34	......	....	36.8
8 43	......	....	37.0
8 53	30.09	37.1	37.0
9 7	......	....	37.0
9 30	......	....	36.3
9 39	30.10	37.0	36.1
13 24	30.175	42.0	40.0
14 40	30.18	45.0	42.7

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, III, IV, V, VI.
2, 3, 7, 9, 37, 38.	Bisections at I, II, VI, VII.
4.	Bisections at II, III.
5.	Bisections at V, VI.
10, 39.	Bisections at I, II.
11.	Bisections at VI, VII.
12, 13.	Bisections at III, IV, V.
21.	Bisections at II, III, V, VI.
24, 26.	Bisections at I, II, VI.
34.	Bisections at III, IV.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+33 6.6	+14 57.4	...	+48 4.0
2	+ 5.3	+ 7.3.	...	+ 12.6
3	+ 6.0	.. ....	+ 0.3	+ 6.3
4	+ 7.6	+16 11.9	...	+16 19.5
5	+ 7.5	−16 11.8	...	−16 4.3
7	+ 5.3	+ 7.2	...	+ 12.5
9	+ 5.9	.. ....	+ 0.2	+ 6.1
10	+ 7.6	+16 12.7	...	+16 20.3
11	+ 7.6	−16 12.6	...	−16 5.0
37	+ 5.3	.. ....	+ 0.2	+ 5.5
38	+ 5.8	.. ....	+ 0.2	+ 6.0
39	+ 7.6	+16 13.1	...	+16 20.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, N.	9	48 19.42	− 0.49	− 2.53	301 21 51.50	45.948	−11.22	−1 36.2	15 48 16.40	−69.32	−19 40 37.9	....
2	1 H. Draconis s. p.	9	24 8.60	+ 2.86	− 2.56	59 15 59.10	45.220	−14.88	+1 38.7	9 24 8.90	.....	+81 43 35.6	....
3	32 Pegasi	9	17 8.90	− 0.41	− 2.56	348 51 55.95	50.112	−11.18	− 11.5	22 17 5.93	− 1.52	+27 52 26.3	−22.3
4	B. D.+39°4856	9	26 31.63	− 0.46	− 2.56	0 43 55.55	48.978	−11.18	+ 0.8	22 26 28.61	− 1.52	+39 44 12.2	−25.4
5	η Aquarii	9	30 42.52	− 0.40	− **2.58**	320 25 53.30	47.412	−11.18	− 48.7	22 30 39.56	.....	− 0 35 15.2	....
6	B. D.+39°4906	9	35 21.55	− 0.47	− 2.56	1 7 56.08	47.705	−11.18	+ 1.2	22 35 18.52	− 1.61	+40 7 44.0	−25.6
7	B. D.+38°4858	9	40 47.59	− 0.46	− 2.56	359 43 55.50	47.265	−11.18	− 0.2	22 40 44.57	− 1.67	+38 43 32.0	−25.4
8	B. D.+37°4699	9	44 42.52	− 0.46	− 2.56	359 1 55.45	50.940	−11.18	− 0.9	22 44 39.50	− 1.71	+38 2 55.2	−25.2
9	λ Aquarii	9	47 53.82	− 0.42	− **2.55**	312 55 52.40	51.525	−11.18	−1 3.3	22 47 50.84	.....	− 8 3 56.7	....
10	B. D.+38°4903	9	53 26.28	− 0.46	− 2.56	359 53 54.95	49.210	−11.18	0.0	22 53 23.26	− 1.79	+38 54 16.1	−25.5
11	B. D.+38°4911	9	57 39.26	− 0.46	− 2.56	359 37 55.25	46.600	−11.18	− 0.3	22 57 36.24	− 1.83	+38 37 16.4	−25.4
12	B. D.+37°4765	9	2 8.77	− 0.46	− 2.56	359 3 56.05	50.572	−11.18	− 0.9	23 2 5.75	− 1.87	+38 4 47.4	−25.3
13	B. D.+37°4782	9	7 2.27	− 0.45	− 2.56	358 23 55.95	49.132	−11.18	− 1.6	23 6 59.26	− 1.92	+37 24 13.7	−25.1
14	γ Piscium	9	12 28.83	− 0.40	− **2.61**	323 47 53.42	48.008	−11.18	− 43.2	23 12 25.87	.....	+ 2 47 4.0	....
15	B. D.+37°4820	9	16 56.97	− 0.46	− 2.56	359 5 56.15	46.302	−11.18	− 0.9	23 16 53.95	− 2.01	+38 5 10.0	−25.2
16	B. D.+38°4999	9	21 38.86	− 0.46	− 2.56	359 49 55.40	49.812	−11.18	− 0.1	23 21 35.84	− 2.06	+38 50 30.2	−25.4
17	B. D.+37°4852	9	25 12.13	− 0.46	− 2.56	359 7 55.85	50.170	−11.18	− 0.8	23 25 9.11	− 2.09	+38 8 38.1	−25.2
18	15 Andromedæ	9	30 12.52	− 0.46	− 2.56	0 43 55.65	48.965	−11.18	+ 0.8	23 30 9.50	− 2.15	+39 44 12.0	−25.5
19	κ Andromedæ	9	35 57.67	− 0.49	− 2.56	4 49 55.75	48.100	−11.18	+ 5.1	23 35 54.62	− 2.23	+43 49 56.6	−26.2
20	B. D.+36°5117	9	42 12.53	− 0.45	− 2.56	357 59 56.88	49.382	−11.18	− 2.0	23 42 9.52	− 2.24	+37 0 19.9	−24.7
21	φ Pegasi	9	47 53.52	− 0.40	− **2.55**	339 37 55.08	46.682	−11.18	− 21.9	23 47 50.56	.....	+18 36 56.6	....
22	B. D.+39°5194	9	52 27.34	− 0.47	− 2.56	1 5 56.45	48.110	−11.18	+ 1.2	23 52 24.31	− 2.36	+40 5 53.7	−25.2
23	B. D.+38°5112	9	56 46.97	− 0.46	− 2.56	0 5 56.82	49.505	−11.18	+ 0.2	23 56 43.95	− 2.39	+39 6 24.9	−24.8
24	33 Piscium	9	0 42.81	− 0.42	− **2.50**	314 47 52.35	48.382	−11.18	− 59.6	0 0 39.83	.....	− 6 13 4.9	....
25	B. D.+39°21	9	6 49.72	− 0.46	− 2.56	0 53 55.38	47.655	−11.18	+ 1.0	0 6 46.70	− 2.49	+39 53 42.0	−24.7
26	B. D.+37°32	9	11 15.34	− 0.46	− 2.56	359 15 55.32	46.735	−11.18	− 0.7	0 11 12.32	− 2.51	+38 15 19.4	−24.3
27	B. D.+37°42	9	15 16.88	− 0.45	− 2.56	358 43 55.30	48.220	−11.18	− 1.2	0 15 13.87	− 2.54	+37 43 52.6	−24.1
28	B. D.+38°42	9	20 17.84	− 0.46	− 2.56	359 37 55.22	50.135	−11.18	− 0.3	0 20 14.82	− 2.59	+38 38 37.2	−24.1
29	12 Ceti	9	25 25.93	− 0.42	− **2.50**	316 33 52.65	46.632	−11.18	− 56.0	0 25 22.95	.....	− 4 27 41.0	....
30	B. D.+38°73	9	30 31.38	− 0.46	− 2.56	359 27 56.20	46.530	−11.18	− 0.5	0 30 28.36	− 2.68	+38 27 15.6	−23.7
31	B. D.+38°85	9	35 13.33	− 0.46	− 2.56	359 55 55.20	49.922	−11.18	0.0	0 35 10.31	− 2.72	+38 56 32.6	−23.6
32	β Ceti	9	39 3.89	− 0.47	− **2.60**	302 31 51.75	49.290	−11.18	−1 32.6	0 39 0.86	.....	−18 29 17.7	....
	November 25, L.												
33	B. D.+39°4856	9	26 31.62	− 0.50	− 2.60	0 43 53.32	48.955	− 9.00	+ 0.8	22 26 28.52	− 1.45	+39 44 11.6	−25.5
34	η Aquarii	9	30 42.47	− 0.40	− **2.58**	320 25 50.98	47.355	− 9.02	− 47.0	22 30 39.47	.....	− 0 35 15.0	....
35	B. D.+39°4906	9	35 21.49	− 0.50	− 2.60	1 7 52.58	47.805	− 9.04	+ 1.2	22 35 18.39	− 1.54	+40 7 45.0	−25.8
36	B. D.+38°4858	9	40 47.56	− 0.49	− 2.60	359 43 52.12	47.372	− 9.06	− 0.2	22 40 44.47	− 1.60	+38 43 33.2	−25.5
37	B. D.+37°4699	9	44 42.48	− 0.49	− 2.60	359 1 52.52	51.022	− 9.08	− 0.9	22 44 39.39	− 1.64	+38 2 56.4	−25.4
38	λ Aquarii	9	47 53.87	− 0.41	− **2.66**	312 55 50.48	51.448	− 9.09	−1 1.2	22 47 50.86	.....	− 8 3 56.2	....
39	B. D.+38°4911	9	57 39.26	− 0.49	− 2.60	359 37 53.02	46.602	− 9.13	− 0.3	22 57 36.17	− 1.76	+38 37 16.3	−25.6
40	B. D.+37°4765	9	2 8.80	− 0.49	− 2.60	359 3 53.10	50.578	− 9.15	− 0.8	23 2 5.71	− 1.81	+38 4 46.7	−25.5
41	B. D.+37°4782	9	7 2.33	− 0.48	− 2.60	358 23 53.48	49.105	− 9.17	− 1.5	23 6 59.25	− 1.86	+37 24 12.7	−25.3
42	γ Piscium	9	12 28.72	− 0.40	− **2.55**	323 47 51.50	47.948	− 9.19	− 41.8	23 12 25.72	.....	+ 2 47 4.1	....
43	B. D.+37°4820	9	16 56.92	− 0.49	− 2.60	359 5 53.30	46.402	− 9.21	− 0.8	23 16 53.83	− 1.95	+38 5 11.5	−25.5
44	B. D.+38°4999	9	21 38.82	− 0.50	− 2.60	359 49 52.95	49.870	− 9.23	− 0.1	23 21 35.72	− 2.00	+38 50 31.0	−25.6
45	B. D.+37°4852	9	25 12.09	− 0.49	− 2.60	359 7 53.12	50.250	− 9.24	− 0.8	23 25 9.00	− 2.03	+38 8 39.2	−25.4
46	15 Andromedæ	9	30 12.44	− 0.50	− 2.60	0 43 52.70	49.088	− 9.26	+ 0.8	23 30 9.34	− 2.09	+39 44 13.8	−25.8
47	κ Andromedæ	9	35 57.66	− 0.54	− 2.60	4 49 52.60	48.230	− 9.29	+ 4.9	23 35 54.52	− 2.17	+43 49 58.1	−26.5
48	B. D.+36°5117	9	42 12.60	− 0.48	− 2.60	357 59 53.75	49.410	− 9.31	− 1.9	23 42 9.52	− 2.18	+37 0 19.4	−25.0
49	φ Pegasi	9	47 53.52	− 0.41	− **2.58**	339 37 52.60	46.695	− 9.34	− 21.3	23 47 50.51	.....	+18 36 56.9	....
50	B. D.+39°5194	9	52 27.39	− 0.50	− 2.60	1 5 53.00	48.218	− 9.35	+ 1.2	23 52 24.29	− 2.30	+40 5 54.5	−25.5
51	B. D.+38°5112	9	56 46.99	− 0.50	− 2.60	0 5 53.35	49.608	− 9.37	+ 0.2	23 56 43.89	− 2.34	+39 6 25.6	−25.2
52	33 Piscium	9	0 42.81	− 0.41	− **2.55**	314 47 50.12	48.332	− 9.39	− 57.8	0 0 39.80	.....	− 6 13 4.7	....
53	B. D.+39°21	9	6 49.79	− 0.50	− 2.60	0 53 52.95	47.650	− 9.41	+ 1.0	0 6 46.69	− 2.44	+39 53 41.2	−25.1
54	B. D.+37°32	9	11 15.37	− 0.49	− 2.60	359 15 53.20	46.725	− 9.43	− 0.7	0 11 12.28	− 2.46	+38 15 18.6	−24.7

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 15 48	30.16	46.5	45.8
21 25	30.135	46.4	47.0
22 16	30.135	45.1	45.3
22 33	......	....	44.2
22 49	30.14	44.8	44.0
23 0	......	....	43.3
23 29	......	....	43.2
23 39	30.145	43.1	43.0
0 3	......	....	41.9
0 26	......	....	41.9
0 40	30.145	42.0	41.6
25 22 19	29.99	60.0	59.0
22 39	......	....	58.0
23 10	29.99	57.9	56.7
23 39	29.99	56.3	54.9
0 3	......	....	54.0

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at VI, VII.
2. Bisections at III, IV, V.
8, 37. Bisections at I, II.

Notes.

2. Two microscopes used.
4, 25, 35, 46, 47, 50, 51. Observed head north.
7, 8, 15–17, 30, 39–41, 48, 54. Observed head south.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.6	−16 13.1	...	−16 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	B. D.+37°42	9	15 16.92	– 0.49	– 2.60	358 43 52.62	48.228	– 9.44	– 1.2	0 15 13.83	– 2.49	+37 43 51.9	–24.5
2	B. D.+38°42	9	20 17.88	– 0.49	– 2.60	359 37 52.30	50.170	– 9.47	– 0.3	0 20 14.79	– 2.55	+38 38 36.8	–24.5
3	12 Ceti	9	25 26.00	– 0.41	– **2.61**	316 33 50.42	46.585	– 9.49	– 54.5	0 25 22.99	.....	– 4 27 41.1	....
4	B. D.+38°73	9	30 31.34	– 0.49	– 2.60	359 27 52.98	46.648	– 9.51	– 0.5	0 30 28.25	– 2.64	+38 27 16.8	–24.1
5	B. D.+38°85	9	35 13.37	– 0.50	– 2.60	359 55 53.22	49.995	– 9.53	0.0	0 35 10.27	– 2.69	+38 56 34.0	–24.1
6	β Ceti	9	39 3.88	– 0.44	– **2.65**	302 31 49.70	49.192	– 9.54	–1 30.2	0 39 0.84	.....	–18 29 17.9	....
	November 26, P.												
7	ι Cancri	9	41 13.62	– 0.43	– **2.52**	350 7 52.22	42.825	– 8.39	– 10.0	8 41 10.64	.....	+29 5 40.3	....
8	ρ¹ Cancri	9	47 12.77	– 0.43	– 2.55	349 41 50.90	45.875	– 8.42	– 10.4	8 47 9.79	– 2.61	+28 40 48.2	+12.9
9	κ Cancri	9	2 51.10	– 0.39	– **2.49**	332 3 49.72	45.330	– 8.50	– 30.5	9 2 48.16	.....	+11 2 14.5	....
10	θ Hydræ	9	9 39.84	– 0.39	– **2.54**	323 43 50.02	45.510	– 8.54	– 42.2	9 9 36.90	.....	+ 2 42 7.2	....
11	83 Cancri	9	13 56.13	– 0.40	– **2.52**	339 7 52.60	43.212	– 8.56	– 21.9	9 13 53.18	.....	+18 5 37.5	....
12	1 H. Draconis	9	24 15.18	– 2.90	– 2.55	42 43 50.52	45.243	– 8.62	+ 53.4	9 24 9.73	.....	+81 43 36.9	....
13	θ Ursæ Majoris	9	26 48.58	– 0.63	– 2.55	13 5 50.72	46.660	– 8.63	+ 13.5	9 26 45.40	.....	+52 5 29.6	....
14	89 B. Ursæ Majoris	9	34 30.69	– 1.16	– 2.55	30 39 51.80	44.432	– 8.67	+ 34.3	9 34 26.98	– 3.72	+69 39 0.6	+25.9
15	14 Leonis Minoris	9	40 55.29	– 0.55	– 2.55	6 33 49.35	43.615	– 8.71	+ 6.7	9 40 52.19	– 2.48	+45 32 11.8	+20.6
16	μ Leonis	9	47 37.16	– 0.42	– **2.62**	347 27 50.95	44.482	– 8.74	– 12.8	9 47 34.19	.....	+26 26 13.7	....
17	π Leonis	9	55 26.06	– 0.39	– **2.57**	329 29 49.95	47.625	– 8.78	– 34.0	9 55 23.12	.....	+ 8 29 3.4	....
18	α Leonis	9	3 33.33	– 0.39	– **2.58**	333 25 50.85	46.965	– 8.83	– 28.9	10 3 30.39	.....	+12 24 54.2	....
19	22 Sextantis	9	13 8.22	– 0.40	– 2.55	313 25 52.25	44.440	– 8.88	–1 1.1	10 13 5.27	.....	– 7 36 34.3	....
20	μ Ursæ Majoris	9	16 56.31	– 0.51	– 2.55	2 57 50.18	47.030	– 8.90	+ 3.1	10 16 53.25	.....	+41 57 27.0	....
21	32 H. Cephei s. P.	8	20 38.31	+ 5.74	– 2.55	55 19 53.00	46.900	– 8.92	+1 23.9	22 20 41.50	+ 2.93	+85 39 12.3	–30.2
22	48 Leonis	9	30 4.77	– 0.39	– 2.55	328 27 51.30	43.685	– 8.97	– 35.5	10 30 1.83	– 1.69	+ 7 25 33.0	+ 9.2
23	39 Ursæ Majoris	9	38 0.49	– 0.73	– 2.55	18 41 54.52	43.792	– 9.01	+ 19.7	10 37 57.21	– 1.96	+57 40 33.6	+25.4
24	Venus I, S.	9	50 35.66	– 0.38	– 2.57	311 45 51.80	43.178	– 9.98	–1 4.7	13 50 32.71	+ 0.42	– 9 17 8.2	....
25	Venus II	9	50 36.70	– 0.38	– 2.57	... .	......	....	. ....	13 50 33.75	– 0.62	.. ..	....
26	Mercury II, C.	9	14 17.86	– 0.40	– 2.57	304 17 52.32	46.456	– 9.14	–1 24.0	15 14 14.89	– 0.18	–16 44 11.2	....
	November 27, P.												
27	Sun I, N.	8	11 25.85	– 0.48	– 2.57	300 9 51.90	44.398	– 9.47	–1 37.9	16 11 22.80	+70.03	–20 53 12.9	....
28	Sun II, S.	9	13 45.91	– 0.48	– 2.57	299 37 51.32	43.100	– 9.47	–1 40.0	16 13 42.86	–70.03	–21 25 45.3	....
29	Moon I	9	49 45.57	– 0.43	– 2.57	296 32	......	....	. ....	19 49 42.57	+73.29	.. ..	....
30	16 Pegasi	9	48 56.74	– 0.43	– **2.54**	346 31 51.62	43.648	– 7.90	– 13.7	21 48 53.73	.....	+25 29 55.3	....
31	ι Aquarii	9	1 32.84	– 0.42	– **2.62**	306 43 54.15	44.290	– 8.00	–1 16.6	22 1 29.84	.....	–14 18 50.4	....
32	ι Pegasi	9	2 48.04	– 0.43	– **2.57**	345 55 52.70	44.215	– 8.01	– 14.3	22 2 45.03	.....	+24 54 8.6	....
33	θ Pegasi	9	5 38.10	– 0.40	– **2.59**	326 45 52.40	47.468	– 8.03	– 37.5	22 5 35.12	.....	+ 5 44 59.5	....
34	γ Aquarii	9	16 58.93	– 0.40	– **2.58**	319 11 53.02	43.195	– 8.12	– 49.4	22 16 55.95	.....	– 1 50 49.5	....
35	ζ Pegasi	9	36 57.04	– 0.40	– **2.53**	331 23 51.52	43.030	– 8.28	– 31.3	22 36 54.06	.....	+10 21 23.2	....
36	η Pegasi	9	38 45.85	– 0.44	– **2.51**	350 45 51.52	45.888	– 8.29	– 9.3	22 38 42.83	.....	+29 44 50.1	....
37	β Pegasi	9	59 23.54	– 0.44	– **2.53**	348 35 50.62	47.635	– 8.45	– 11.5	22 59 20.52	.....	+27 35 27.1	....
	November 27, L.												
38	δ Cancri	9	39 33.09	– 0.41	– **2.60**	339 31 59.08	42.532	– 9.54	– 22.2	8 39 30.08	.....	+18 29 27.1	....
39	14 Hydræ	9	44 49.67	– 0.42	– 2.60	317 55 57.42	45.188	– 9.54	– 53.8	8 44 46.65	.....	– 3 6 5.4	....
40	σ² Cancri (*mean*)	9	48 43.83	– 0.44	– 2.60	351 55 58.90	47.355	– 9.54	– 8.4	8 48 40.79	.....	+30 55 30.9	....
41	ι Ursæ Majoris	9	53 1.14	– 0.55	– 2.60	9 23 55.62	47.710	– 9.54	+ 10.0	8 52 57.99	.....	+48 23 54.1	....
42	κ Cancri	9	2 51.27	– 0.40	– **2.62**	332 3 57.32	45.060	– 9.54	– 31.6	9 2 48.27	.....	+11 2 13.8	....
43	θ Hydræ	9	9 39.96	– 0.40	– **2.61**	323 43 57.40	45.262	– 9.54	– 43.7	9 9 36.96	.....	+ 2 42 6.4	....
44	83 Cancri	9	13 56.24	– 0.40	– **2.60**	339 7 57.72	43.020	– 9.54	– 22.7	9 13 53.24	.....	+18 5 36.4	....
45	1 H. Draconis	9	24 15.10	– 2.60	– 2.60	42 43 56.12	44.938	– 9.54	+ 55.3	9 24 9.90	.....	+81 43 36.6	....
46	89 B. Ursæ Majoris	8	34 30.79	– 1.04	– 2.60	30 39 59.32	44.065	– 9.54	+ 35.5	9 34 27.15	– 3.81	+69 39 0.0	+26.0

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 0 23	......	....	52.8
0 40	29.995	54.0	52.0
26 8 39	30.000	55.1	55.2
9 0	......	....	54.2
9 20	30.018	54.1	53.8
9 38	......	....	52.9
10 0	30.026	52.6	52.0
10 29	......	....	51.2
10 33	......	....	51.1
10 40	30.040	52.0	51.1
13 49	30.094	54.3	53.3
15 15	30.089	56.9	56.1
27 16 14	30.07	58.4	58.8
21 46	30.057	58.0	58.0
22 12	......	....	57.3
22 [illegible]	30.074	56.6	56.8
23 1	30.077	56.1	56.1
8 35	30.14	41.0	39.2
8 54	......	....	39.0
9 18	......	....	38.3
9 36	30.12	39.9	38.3

Micrometer bisections are made at II, VI, except as noted below.

12. Bisections at III, IV, V.
14, 46. Bisections at III, V.
20. Bisections at I, II.
21. Bisections at b_4, b_5, b_6.
24, 26. Bisections at I, II, VI, VII.
27. Bisections at I, II, III.
28. Bisections at V, VI, VII.
36. Bisections at VI, VII.
45. Bisections at III, IV.

Notes.

1, 2. Observed head south.
5. Observed head north.
46. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
24	+ 5.2	+ 7.2	...	+ 12.4
26	+ 5.7	.. ....	+0.1	+ 5.8
27	+ 7.7	–16 16.2	...	–16 8.5
28	+ 7.7	+16 16.2	...	+16 23.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	14 Leonis Minoris	9	40 55.32	– 0.51	– 2.60	6 33 58.62	43.222	– 9.54	+ 6.9	9 40 52.21	– 2.52	+45 32 11.4	+20.7
2	μ Leonis	9	47 37.26	– 0.41	– **2.69**	347 27 57.72	44.228	– 9.54	– 13.2	9 47 34.25	.....	+26 26 13.5	....
3	π Leonis	9	55 26.16	– 0.39	– **2.64**	329 29 57.18	47.380	– 9.54	– 35.1	9 55 23.17	.....	+ 8 29 3.2	....
4	α Leonis	9	3 33.42	– 0.39	– **2.64**	333 25 56.85	46.788	– 9.54	– 29.8	10 3 30.43	.....	+12 24 54.6	....
5	22 Sextantis	8	13 8.31	– 0.42	– 2.60	313 25 55.85	44.402	– 9.54	–1 3.0	10 13 5.29	.....	– 7 36 33.9	....
6	μ Ursæ Majoris	9	16 56.34	– 0.47	– 2.60	2 57 59.08	46.632	– 9.54	+ 3.2	10 16 53.27	.....	+41 57 26.2	....
7	31 Leonis Minoris	9	22 39.07	– 0.44	– 2.60	358 12 0.68	44.242	– 9.54	– 1.8	10 22 36.03	.....	+37 10 28.3	....
8	29 Sextantis	9	24 53.14	– 0.44	– 2.60	318 45 56.32	45.060	– 9.54	– 52.3	10 24 50.10	.....	– 2 16 7.9	....
9	48 Leonis	9	30 4.87	– 0.39	– 2.60	328 27 56.25	43.538	– 9.54	– 36.7	10 30 1.88	– 1.72	+ 7 25 32.8	+ 9.4
10	39 Ursæ Majoris	7	38 0.47	– 0.64	– 2.60	18 42 1.18	43.515	– 9.54	+ 20.3	10 37 57.23	– 2.02	+57 40 34.2	+25.6
11	ν Hydræ	9	45 9.74	– 0.44	– 2.60	305 19 56.92	44.968	– 9.54	–1 24.1	10 45 6.70	.....	–15 42 41.2	....
	November 29, P.												
12	Moon I, S	9	52 39.74	– 0.43	– 2.63	302 21 51.45	47.882	– 9.71	–1 30.4	21 52 36.68	+70.56	–18 39 46.6	....
13	α Arietis	9	2 5.11	– 0.42	– **2.61**	344 4	......	....	. ....	2 2 2.06	.....	+23 2	....
14	ξ¹ Ceti	9	8 13.17	– 0.40	– **2.60**	329 26	......	....	. ....	2 8 10.14	.....	+ 8 25	....
15	γ Ceti	8	38 37.88	– 0.40	– **2.65**	323 52	......	....	. ....	2 38 34.85	.....	+ 2 51	....
16	41 Arietis	6	44 40.26	– 0.43	– **2.61**	347 54	......	....	. ....	2 44 37.20	.....	+26 53	....
17	η Eridani	9	52 1.92	– 0.42	– **2.68**	311 46	......	....	. ....	2 51 58.87	.....	– 9 16	....
18	ε Arietis (*mean*)	9	54 3.13	– 0.41	– **2.61**	342 0	......	....	. ....	2 54 0.09	.....	+20 59	....
	November 30, M.												
19	Sun I, S	9	24 18.36	– 0.48	– 2.52	299 5 52.88	45.777	– 6.56	–1 39.9	16 24 15.36	+70.10	–21 56 39.5	....
20	Sun II, N	9	26 38.55	– 0.48	– 2.52	299 37 51.95	46.817	– 6.56	–1 37.7	16 26 35.55	–70.09	–21 24 14.5	....
21	ι Aquarii	9	1 32.84	– 0.50	– **2.57**	306 43 48.80	44.362	– 7.60	–1 14.4	22 1 29.82	.....	–14 18 51.3	....
22	ι Pegasi	9	2 47.93	– 0.46	– **2.47**	345 55 53.48	44.060	– 7.60	– 13.9	22 2 44.95	.....	+24 54 6.7	....
23	θ Pegasi	9	5 38.05	– 0.45	– **2.53**	326 45 50.55	47.400	– 7.60	– 36.4	22 5 35.08	.....	+ 5 44 57.6	....
24	ζ Pegasi	9	36 57.04	– 0.44	– **2.53**	331 23 51.32	42.870	– 7.60	– 30.4	22 36 54.08	.....	+10 21 20.9	....
25	η Pegasi	7	38 45.81	– 0.46	– **2.49**	350 45 53.02	45.705	– 7.60	– 9.0	22 38 42.83	.....	+29 44 48.7	....
26	μ Pegasi	9	45 38.29	– 0.45	– **2.46**	345 7 53.18	47.320	– 7.60	– 14.7	22 45 35.32	.....	+24 7 20.1	....
27	Moon I, S	9	50 7.41	– 0.49	– 2.52	307 13 47.52	45.291	– 7.60	–1 13.2	22 50 4.40	+68.86	–13 48 30.5	....
28	β Pegasi	9	59 23.56	– 0.47	– **2.56**	348 35 52.35	47.468	– 7.60	– 11.2	22 59 20.57	.....	+27 35 26.1	....
	November 30, P.												
29	Mercury II, C	9	38 47.17	– 0.46	– 2.64	302 19 51.40	45.740	– 7.34	–1 27.8	15 38 44.07	– 0.17	–18 42 30.5	....
	December 1, P.												
20	Sun I, S	9	28 37.44	– 0.47	– 2.64	298 55 50.35	47.127	– 7.60	–1 39.8	16 28 34.33	+70.19	–22 6 12.1	....
31	Sun II, N	9	30 57.82	– 0.47	– 2.64	299 27 50.80	48.240	– 7.60	–1 37.7	16 30 54.71	–70.19	–21 33 44.2	....
32	β Pegasi	9	59 23.61	– 0.40	– **2.69**	348 36	......	....	. ....	22 59 20.55	.....	+27 35	....
33	α Pegasi	9	0 15.46	– 0.39	– **2.65**	335 43 53.48	46.820	– 7.71	– 25.5	23 0 12.41	.....	+14 42 57.9	....
34	γ Piscium	9	12 28.77	– 0.40	– **2.67**	323 49 51.85	42.582	– 7.84	– 41.5	23 12 25.71	.....	+ 2 47 3.5	....
35	τ Pegasi	9	16 9.84	– 0.40	– **2.68**	344 15 53.35	45.510	– 7.88	– 16.0	23 16 6.78	.....	+23 14 37.3	....
36	κ Piscium	9	22 18.02	– 0.40	– **2.68**	321 48	......	....	. ....	23 22 14.96	.....	+ 0 45	....
37	θ Piscium	9	23 23.03	– 0.39	– **2.66**	326 53 50.25	46.808	– 7.96	– 37.0	23 23 19.98	.....	+ 5 52 42.8	....
38	κ Andromedæ	9	35 57.63	– 0.48	– 2.65	4 49 50.22	48.235	– 8.09	+ 4.9	23 35 54.50	– 2.04	+43 49 57.0	–26.9
39	ι¹ Aquarii	9	39 31.08	– 0.46	– **2.65**	302 15 53.92	44.200	– 8.12	–1 29.9	23 39 27.96	.....	–18 47 6.1	....
40	Moon I, S	9	45 9.93	– 0.43	– 2.65	312 49 53.15	44.371	– 8.18	–1 1.4	23 45 6.85	+67.53	– 8 12 34.7	....
	December 1, M.												
41	76 Draconis S. P.	9	49 10.14	+ 3.01	– 2.56	58 47 49.52	44.673	– 9.46	+1 39.2	20 49 10.59	.....	+82 11 51.7	....
42	ι Ursæ Majoris	9	53 1.22	– 0.60	– 2.56	9 23 52.42	47.868	– 9.46	+ 10.0	8 52 58.06	.....	+48 23 54.6	....
43	κ Cancri	9	2 51.34	– 0.44	– **2.52**	332 3 53.50	45.212	– 9.46	– 31.8	9 2 48.34	.....	+11 2 13.2	....
44	α Hydræ	9	23 9.26	– 0.47	– **2.63**	312 45 51.80	47.200	– 9.46	–1 4.9	9 23 6.24	.....	– 8 15 36.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 10 8	....	....	38.2
10 33	....	....	38.0
10 49	30.15	39.8	37.7
29 21 55	29.910	53.3	52.6
30 16 27	29.756	62.2	65.0
21 54	29.69	66.2	65.8
22 12	....	....	65.2
22 32	29.69	65.2	65.1
23 3	29.685	65.8	64.5
15 37	29.730	64.9	65.3
15 41	....	....	65.6
1 16 31	29.725	66.9	67.8
22 57	29.792	59.0	58.0
23 10	....	....	57.5
23 32	....	....	56.6
23 48	29.813	57.0	55.9
8 46	29.97	36.8	33.2
9 1	....	....	32.8
9 18	29.975	36.5	32.2

Micrometer bisections are made at II, VI, except as noted below.

5, 7, 21. Bisections at I, II.
6. Bisections at III, V.
10. Bisections at II.
11, 29. Bisections at I, II, VI, VII.
12, 27, 40. Bisections at II, III, IV, V, VI.
19, 30. Bisections at I, II, III.
20, 31. Bisections at V, VI, VII.
33, 44. Bisections at VI, VII.
39, 43. Bisections at II, VI, VII.
41. Bisections at III, IV, V.

Notes.

1–11, 13–18, 24. Clouds.
8. Very faint.
11. Unsteady.
32–37, 39. Light clouds.
41–44. Conditions rather poor; high wind.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+49 48.4	+16 9.5	...	+65 57.9
19	+ 7.8	+16 12.5	...	+16 20.3
20	+ 7.7	–16 12.4	...	–16 4.7
27	+46 56.5	+16 9.7	...	+63 6.2
29	+ 5.6	.. ....	0.0	+ 5.6
30	+ 7.8	+16 13.9	...	+16 21.7
31	+ 7.7	–16 13.9	...	–16 6.2
40	+43 9.6	+16 8.6	...	+59 18.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	d Ursæ Majoris	9	26 29.94	− 1.16	− 2.55	31 13 54.30	46.172	− 9.46	+ 36.6	9 26 26.23	.....	+70 13 44.3	....
2	o Leonis	9	36 19.74	− 0.44	− **2.55**	331 19 53.88	46.075	− 9.46	− 32.9	9 36 16.75	.....	+10 18 32.3	....
3	14 Leonis Minoris	9	40 55.38	− 0.57	− 2.55	6 33 53.35	43.520	− 9.46	+ 7.0	9 40 52.26	− 2.71	+45 32 13.1	+21.0
4	α Leonis	9	3 33.39	− 0.41	− **2.45**	333 25 53.00	46.882	− 9.46	− 30.1	10 3 30.43	.....	+12 24 52.8	....
5	λ Hydræ	8	6 11.09	− 0.45	− **2.56**	309 7 52.32	46.630	− 9.46	−1 14.0	10 6 8.09	.....	−11 53 57.8	....
6	22 Sextantis	9	13 8.38	− 0.43	− 2.55	313 25 51.72	44.540	− 9.46	−1 3.7	10 13 5.40	.....	− 7 36 35.5	....
7	μ Ursæ Majoris	9	16 56.41	− 0.49	− 2.55	2 57 54.38	46.895	− 9.46	+ 3.2	10 16 53.37	.....	+41 57 27.5	....
8	31 Leonis Minoris	9	22 39.11	− 0.45	− 2.55	358 11 55.10	44.448	− 9.46	− 1.8	10 22 36.11	.....	+37 10 27.5	....
9	29 Sextantis	9	24 53.20	− 0.41	− 2.55	318 45 51.52	45.258	− 9.46	− 52.9	10 24 50.24	.....	− 2 16 8.7	....
10	48 Leonis	9	30 4.91	− 0.39	− 2.55	328 27 53.42	43.625	− 9.46	− 37.1	10 30 1.97	− 1.85	+ 7 25 31.7	+10.1
11	34 Sextantis	9	37 57.24	− 0.39	− **2.57**	325 5 54.18	44.320	− 9.46	− 42.2	10 37 54.30	.....	+ 4 3 43.0	....
12	α Crateris	9	55 22.09	− 0.44	− **2.62**	303 13 52.15	45.863	− 9.46	−1 32.2	10 55 19.10	.....	−17 48 33.5	....
	December 2, M.												
13	Sun I, N	9	32 56.35	− 0.39	− 2.52	299 19 53.50	45.852	− 8.30	−1 47.6	16 32 53.44	+70.40	−21 42 46.6	....
14	Sun II, S	9	35 17.16	− 0.39	− 2.52	298 47 52.85	44.638	− 8.30	−1 50.0	16 35 14.25	−70.41	−22 15 17.4	....
15	ε Andromedæ	9	33 46.77	− 0.35	− **2.47**	349 49 54.52	46.662	− 8.23	− 10.9	0 33 43.93	.....	+28 49 9.5	....
16	Moon I, S	9	38 37.53	− 0.30	− 2.49	318 47 52.78	47.622	− 8.25	− 53.6	0 38 34.74	+66.80	− 2 13 13.0	....
17	ζ Andromedæ	9	42 32.89	− 0.33	− **2.48**	344 47 56.02	44.820	− 8.27	− 16.6	0 42 30.08	.....	+23 46 23.2	....
18	59 H^1. Cassiopeiæ	9	45 14.83	− 0.91	− 2.48	24 45 54.82	45.380	− 8.28	+ 28.4	0 45 11.44	− 3.48	+63 45 19.5	−28.2
19	8 Draconis s. p.	9	51 49.60	+ 1.48	− 2.48	75 1 52.62	44.315	− 8.30	+3 47.5	12 51 48.60	.....	+65 55 47.5	....
20	ε Piscium	9	58 15.29	− 0.29	− **2.48**	328 25 53.15	44.825	− 8.33	− 37.7	0 58 12.52	.....	+ 7 23 59.5	....
21	Groombridge 2006 s. p.	5	2 44.80	+15.76	− 2.48	52 51 53.25	44.597	− 8.35	+1 21.3	13 2 58.08	+27.16	+88 8 6.2	+27.7
22	l Ursæ Minoris s. p.	9	18 5.11	+ 6.31	− 2.48	55 45 55.95	45.307	− 8.41	+1 30.4	13 18 8.94	+10.96	+85 13 38.5	+26.5
23	η Piscium	9	26 38.96	− 0.30	− **2.46**	335 53 52.75	46.035	− 8.45	− 27.5	1 26 36.18	.....	+14 52 36.6	....
24	υ Persei	9	32 26.71	− 0.53	− 2.48	9 11 53.82	43.190	− 8.47	+ 10.0	1 32 23.70	.....	+48 10 10.1	....
25	ν Piscium	9	36 43.98	− 0.29	− **2.47**	326 3 52.00	43.990	− 8.49	− 41.3	1 36 41.21	.....	+ 5 1 35.4	....
26	τ Ceti	9	39 52.97	− 0.32	− **2.53**	304 37 51.70	44.228	− 8.50	−1 28.8	1 39 50.17	.....	−16 25 7.1	....
27	ζ Ceti	9	47 0.62	− 0.30	− **2.52**	310 15 53.72	43.270	− 8.53	−1 12.5	1 46 57.84	.....	−10 47 10.4	....
28	ξ Piscium	9	48 53.01	− 0.39	− **2.41**	323 45 54.82	45.850	− 8.54	− 45.0	1 48 50.14	.....	+ 2 44 16.9	....
	December 2, P.												
29	60 Cancri	9	50 59.60	− 0.22	− 2.57	332 59 54.20	46.112	− 9.05	− 31.5	8 50 56.81	− 2.53	+11 58 35.3	+ 8.5
30	α Cancri	9	53 32.76	− 0.22	− **2.58**	333 13 54.78	46.522	− 9.05	− 31.2	8 53 29.97	.....	+12 12 45.5	....
31	1 H. Draconis	9	24 16.52	− 3.41	− 2.56	42 43 50.70	45.097	− 9.15	+ 57.4	9 24 10.55	.....	+81 43 37.2	....
32	ξ Leonis	9	27 4.38	− 0.22	− **2.53**	332 43 53.72	45.438	− 9.16	− 31.9	9 27 1.60	.....	+11 42 18.9	....
33	o Leonis	9	36 19.54	− 0.22	− **2.54**	331 19 53.82	46.162	− 9.19	− 33.8	9 36 16.76	.....	+10 18 33.6	....
34	14 Leonis Minoris	9	40 55.39	− 0.44	− 2.56	6 33 51.58	43.538	− 9.21	+ 7.2	9 40 52.39	− 2.75	+45 32 12.3	+21.1
35	μ Leonis	9	47 37.22	− 0.27	− **2.61**	347 27 51.50	44.492	− 9.23	− 13.8	9 47 34.39	.....	+26 26 13.0	....
36	π Leonis	9	55 26.09	− 0.22	− **2.58**	329 29 53.02	47.575	− 9.25	− 36.5	9 55 23.31	.....	+ 8 29 2.4	....
37	α Leonis	9	3 33.34	− 0.22	− **2.56**	333 25 53.58	46.880	− 9.28	− 31.0	10 3 30.56	.....	+12 24 52.5	....
38	λ Hydræ	9	6 10.84	− 0.22	− **2.51**	309 7 53.95	46.652	− 9.29	−1 16.1	10 6 8.06	.....	−11 53 57.5	....
39	29 H. Camelopardalis	9	16 39.22	− 5.50	− 2.56	45 41 53.02	47.700	− 9.32	+1 3.8	10 16 31.16	.....	+84 42 45.0	....
40	31 Leonis Minoris	9	22 39.04	− 0.35	− 2.56	358 11 53.20	44.518	− 9.34	− 1.9	10 22 36.13	.....	+37 10 27.1	....
41	44 Hydræ	9	29 42.78	− 0.25	− 2.56	297 45 53.68	47.738	− 9.37	−1 57.2	10 29 39.97	− 1.73	−23 16 14.0	− 0.1
42	39 Ursæ Majoris	9	38 0.68	− 0.68	− 2.56	18 41 51.40	43.842	− 9.39	+ 21.1	10 37 57.44	− 2.30	+57 40 32.6	+26.2
43	ν Hydræ	9	45 9.64	− 0.23	− 2.56	305 19 55.52	45.110	− 9.41	−1 27.3	10 45 6.85	.....	−15 42 42.4	....
44	α Crateris	9	55 21.96	− 0.23	− **2.67**	303 13 52.28	46.070	− 9.45	−1 34.4	10 55 19.17	.....	−17 48 30.8	....
45	θ Leonis	9	9 29.22	− 0.23	− **2.54**	336 57 55.90	43.678	− 9.49	− 26.4	11 9 26.43	.....	+15 55 46.0	....
46	Venus I, C	7	18 35.87	− 0.21	− 2.54	309 13 51.78	46.609	− 9.34	−1 15.5	14 18 33.12	+ 0.41	−11 48 0.0	....
47	Venus II	7	18 36.88	− 0.21	− 2.54	... .	......	....	. ....	14 18 34.13	− 0.60	.. ..	....
48	Mercury II, C	9	51 20.03	− 0.23	− 2.54	301 25 52.25	43.641	− 9.00	−1 40.1	15 51 17.26	− 0.17	−19 37 31.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 9 35	......	....	31.8
9 58	......	....	31.2
10 23	30.00	33.5	....
10 27	......	....	30.3
10 55	30.03	32.8	29.9
2 16 35	30.100	33.1	30.0
0 29	30.16	29.4	26.5
0 56	......	....	26.1
1 14	30.18	28.2	25.8
1 51	30.185	27.8	25.3
8 48	30.202	23.8	22.6
8 59	......	....	22.6
9 22	......	....	22.2
9 45	30.210	23.0	22.0
10 0	......	....	22.0
10 32	30.220	23.6	22.0
10 50	......	....	22.0
11 11	30.232	22.5	22.0
14 16	30.288	27.0	24.9
15 52	30.280	29.9	27.9

Micrometer bisections are made at II, VI, except as noted below.

1, 39.	Bisections at III, V.
4, 6, 8, 20, 27.	Bisections at I, II.
5, 11.	Bisections at VI, VII.
12, 38, 41.	Bisections at II, VI, VII.
13.	Bisections at I, II, III.
14.	Bisections at V, VI, VII.
16.	Bisections at II, III, IV, V, VI.
18.	Bisections at V, VI.
19, 22, 31.	Bisections at III, IV, V.
21.	Bisections at b_1, b_3, b_5.
26.	Bisections at VI, VII.
46, 48.	Bisections at I, II, VI, VII.

Note.

1–12. Conditions rather poor; high wind.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+ 7.8	−16 15.4	...	−16 7.6
14	+ 7.8	+16 15.4	...	+16 23.2
16	+38 37.3	+16 6.3	...	+54 43.6
46	+ 5.4	.. ....	+0.1	+ 5.5
48	+ 5.5	.. ....	0.0	+ 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 3, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N.	9	37 16.15	− 0.25	− 2.54	299 11 52.60	44.177	− 9.32	−1 49.0	16 37 13.36	+70.56	−21 51 28.2	....
2	Sun II, S.	9	39 37.28	− 0.25	− 2.54	298 39 51.55	42.953	− 9.32	−1 51.4	16 39 34.49	−70.57	−22 23 59.7	....
3	39 H. Cephei	9	28 3.11	− 9.51	− 2.51	47 47 51.31	47.088	− 9.52	+1 7.5	23 27 51.09	.....	+86 48 32.8	....
4	λ Piscium	9	37 25.92	− 0.26	− 2.51	322 17 52.05	47.178	− 9.52	− 47.1	23 37 23.15	− 2.00	+ 1 16 41.4	−14.1
5	33 Piscium	9	0 42.55	− 0.27	− 2.51	314 49 53.30	43.070	− 9.52	−1 1.4	0 0 39.77	.....	− 6 13 5.5	....
6	ι Ceti	9	14 49.47	− 0.27	− 2.51	311 41 52.65	46.725	− 9.52	−1 8.4	0 14 46.69	.....	− 9 19 49.6	....
7	ε Andromedæ	9	33 46.74	− 0.34	− 2.46	349 49 50.42	46.935	− 9.52	− 10.9	0 33 43.89	.....	+28 49 10.4	....
8	ζ Andromedæ	9	42 32.90	− 0.32	− 2.52	344 47 51.58	45.122	− 9.52	− 16.6	0 42 30.07	.....	+23 46 24.4	....
9	ε Piscium	9	58 15.32	− 0.27	− 2.53	328 25 51.42	45.002	− 9.52	− 37.5	0 58 12.54	.....	+ 7 24 0.7	....
10	44 H. Cephei	9	4 29.36	− 2.63	− 2.51	40 11 51.88	45.205	− 9.52	+ 51.7	1 4 24.22	− 6.69	+79 11 34.8	−28.1
11	θ Ceti	9	19 30.81	− 0.27	− 2.53	312 23 52.08	42.870	− 9.52	−1 6.7	1 19 28.03	.....	− 8 39 16.5	....
12	η Piscium	9	26 39.01	− 0.28	− 2.53	335 53 52.88	46.135	− 9.52	− 27.2	1 26 36.22	.....	+14 52 38.3	....
13	Moon I, S.	9	31 33.16	− 0.27	− 2.51	324 49 51.72	48.096	− 9.52	− 42.9	1 31 30.38	+66.73	+ 3 49 6.2	....
	December 3, M.												
14	60 Cancri	9	50 59.47	− 0.26	− 2.39	332 59 53.52	46.080	−10.15	− 31.0	8 50 56.82	− 2.56	+11 58 33.4	+ 8.6
15	α Cancri	9	53 32.72	− 0.26	− 2.46	333 13 51.68	46.605	−10.15	− 30.7	8 53 30.07	.....	+12 12 43.7	....
16	α Hydræ	9	23 8.90	− 0.25	− 2.42	312 45 51.22	47.252	−10.15	−1 5.7	9 23 6.26	.....	− 8 15 36.7	....
17	d Ursæ Majoris	9	26 30.18	− 1.39	− 2.39	31 13 55.12	46.152	−10.15	+ 37.1	9 26 26.40	.....	+70 13 44.5	....
18	α Leonis	9	3 33.20	− 0.27	− 2.33	333 25 53.28	46.878	−10.15	− 30.4	10 3 30.54	.....	+12 24 52.0	....
19	λ Hydræ	9	6 10.77	− 0.25	− 2.37	309 7 51.78	46.662	−10.15	−1 14.6	10 6 8.13	.....	−11 53 58.7	....
20	138 B. Ursæ Majoris	9	14 40.09	− 0.66	− 2.39	15 41 54.38	43.455	−10.15	+ 17.2	10 14 37.04	− 2.63	+54 40 22.2	+24.9
21	30 H. Ursæ Majoris	9	17 37.02	− 1.12	− 2.39	27 1 55.85	45.732	−10.15	+ 31.2	10 17 33.51	.....	+66 1 29.8	....
22	36 Ursæ Majoris	9	24 50.39	− 0.70	− 2.39	17 27 54.72	44.402	−10.15	+ 19.2	10 24 47.30	.....	+56 26 46.1	....
23	39 Ursæ Majoris	9	38 0.78	− 0.74	− 2.39	18 41 55.45	43.760	−10.15	+ 20.7	10 37 57.65	− 2.35	+57 40 33.5	+26.3
24	ν Hydræ	9	45 9.52	− 0.26	− 2.39	305 19 53.65	45.095	−10.15	−1 25.5	10 45 6.87	.....	−15 42 43.6	....
25	α Crateris	9	55 21.78	− 0.26	− 2.40	303 13 51.40	45.961	−10.15	−1 32.5	10 55 19.13	.....	−17 48 33.0	....
26	θ Leonis	9	9 29.16	− 0.28	− 2.36	336 57 53.48	43.735	−10.15	− 25.8	11 9 26.49	.....	+15 55 44.8	....
27	δ Crateris	9	14 48.63	− 0.26	− 2.38	306 45 51.02	44.598	−10.15	−1 21.2	11 14 45.98	.....	−14 16 53.2	....
28	39 H. Cephei s. p.	9	27 42.50	+10.63	− 2.39	54 11 52.08	43.608	−10.15	+1 24.4	23 27 50.74	.....	+86 48 28.7	....
	December 5, L.												
29	ε Arietis (*mean*)	9	54 2.96	− 0.35	− 2.49	341 59 54.32	45.820	−11.21	− 19.5	2 54 0.16	.....	+20 58 38.5	....
30	α Ceti	9	57 33.89	− 0.32	− 2.45	324 45 52.15	45.160	−11.21	− 42.3	2 57 31.12	.....	+ 3 43 58.5	....
31	δ Arietis	9	6 28.01	− 0.35	− 2.45	340 23 53.60	46.905	−11.21	− 21.3	3 6 25.21	.....	+19 23 0.8	....
32	1 H^1. Camelopardalis	9	12 2.41	− 1.05	− 2.45	26 19 55.32	45.378	−11.21	+ 29.8	3 11 58.91	− 5.87	+65 19 18.7	−17.1
33	τ^1 Arietis	9	16 0.93	− 0.35	− 2.48	341 49 52.35	47.380	−11.21	− 19.7	3 15 58.13	.....	+20 49 12.0	....
34	Moon I, S.	9	19 35.90	− 0.35	− 2.45	335 43 53.80	45.486	−11.21	− 27.0	3 19 33.10	+68.21	+14 42 22.8	....
35	f Tauri	9	25 53.44	− 0.33	− 2.40	333 39 52.60	43.418	−11.21	− 29.7	3 25 50.66	.....	+12 37 31.8	....
36	δ Eridani	9	38 56.18	− 0.33	− 2.44	310 57 55.78	45.485	−11.21	−1 9.1	3 38 53.40	.....	−10 4 17.2	....
37	η Tauri	9	42 7.07	− 0.36	− 2.45	344 49 54.52	47.960	−11.21	− 16.2	3 42 4.26	.....	+23 49 30.9	....
	December 7, M.												
38	β Pegasi	9	59 22.92	− 0.40	− 2.10	348 36	......	.....	.....	22 59 20.38	.....	+27 35	....
39	α Pegasi	8	0 14.82	− 0.35	− 2.12	335 43 50.90	47.090	−11.68	− 26.4	23 0 12.33	.....	+14 42 56.6	....
40	τ Pegasi	9	16 9.26	− 0.38	− 2.20	344 15 51.22	45.720	−11.68	− 16.5	23 16 6.74	.....	+23 14 35.7	....
41	39 H. Cephei	9	28 1.78	− 9.65	− 2.14	47 47 51.18	47.348	−11.68	+1 5.0	23 27 49.99	.....	+86 48 33.9	....
42	λ Piscium	9	37 25.56	− 0.33	− 2.14	322 17 50.40	47.250	−11.68	− 45.4	23 37 23.09	− 1.96	+ 1 16 41.2	−13.9
43	ι^1 Aquarii	9	39 30.39	− 0.36	− 2.13	302 15 47.85	44.725	−11.68	−1 33.0	23 39 27.89	.....	−18 47 7.0	....
44	33 Piscium	9	0 42.23	− 0.33	− 2.17	314 49 50.00	43.155	−11.68	− 59.3	0 0 39.77	.....	− 6 13 6.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
3 16 40	30.255	30.3	28.9
23 21	30.162	29.5	28.6
23 39	......	....	28.2
0 2	......	....	28.0
0 18	30.156	29.4	28.1
0 40	......	....	28.0
0 56	30.142	29.3	28.0
1 18	......	....	28.3
1 34	30.130	29.3	28.0
8 46	29.995	27.8	27.1
9 30	29.975	27.8	26.9
10 2	......	....	26.8
10 21	29.95	27.8	27.0
10 50	......	....	27.1
11 33	29.92	27.8	27.1
5 2 49	30.05	36.1	35.0
3 8	......	....	34.3
3 30	......	....	34.0
3 43	30.015	34.8	34.0
7 22 55	29.68	40.2	40.0
23 15	......	....	39.6
23 42	29.70	38.8	38.2

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at I, II, III.
2.	Bisections at V, VI, VII.
3.	Bisections at b_1, b_3, b_5, b_7, b_9.
10, 17, 21.	Bisections at III, V.
13.	Bisections at II, III, IV, V, VI.
14, 16, 18, 20, 42, 44.	Bisections at I, II.
23, 24.	Bisections at II, VI, VII.
25.	Bisections at I, II, VI, VII.
28, 41.	Bisections at III, IV, V.
32.	Bisections at II, III.
34.	Bisections at I, II, IV, VI, VII.
39, 43.	Bisections at VI, VII.

Notes.

3.	Microscopes read before and after observation.
6, 10.	Light clouds.
22, 23.	Faint.
24, 25, 28.	Faint and poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.8	−16 15.8	...	−16 8.0
2	+ 7.8	+16 15.7	...	+16 23.5
13	+33 35.5	+16 2.5	...	+49 38.0
34	+23 35.2	+15 50.0	...	+39 25.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Andromedæ	9	3 42.52	– 0.41	– **2.13**	349 35 52.55	47.467	–11.68	– 10.8	0 3 39.98	.....	+28 35 22.6	....
2	6 B. Ursæ Minoris s. p.	7	13 57.39	+17.69	– 2.13	52 45 50.98	50.432	–11.68	+1 18.0	12 14 12.95	.....	+88 12 1.2	....
3	ι Ceti	9	14 49.20	– 0.33	– **2.22**	311 41 50.35	46.815	–11.68	–1 6.2	0 14 46.74	.....	– 9 19 49.6	....
	December 7, P.												
4	Moon N	.	.. ..	.....	....	343 27 53.02	47.007	–11.42	– 17.8	.. ..	.....	+22 27 7.7	....
5	Moon II, S	9	15 59.18	– 0.37	– 2.21	342 57 52.35	43.098	–11.42	– 18.4	5 15 56.60	–69.95	+21 55 33.4	....
6	Neptune C, C	9	11 12.64	– 0.36	– 2.21	342 39 52.48	48.010	–11.79	– 18.8	7 11 10.07	.....	+21 39 26.8	....
7	60 Cancri	9	50 59.42	– 0.33	– 2.21	332 59 52.20	46.260	–11.79	– 30.7	8 50 56.88	– 2.69	+11 58 34.7	+ 9.4
8	α Cancri	9	53 32.62	– 0.33	– **2.16**	333 13 52.12	46.685	–11.79	– 30.4	8 53 30.08	.....	+12 12 44.7	....
9	α Hydræ	9	23 8.91	– 0.34	– **2.22**	312 45 54.82	47.165	–11.74	–1 5.2	9 23 6.36	.....	– 8 15 36.4	....
10	d Ursæ Majoris	9	26 30.26	– 1.31	– 2.21	31 13 56.60	46.152	–11.74	+ 36.8	9 26 26.74	.....	+70 13 44.1	....
11	α Leonis	9	3 33.23	– 0.32	– **2.18**	333 25 53.78	46.935	–11.74	– 30.3	10 3 30.70	.....	+12 24 52.2	....
12	λ Hydræ	9	6 10.75	– 0.33	– **2.14**	309 7 53.15	46.678	–11.74	–1 14.4	10 6 8.21	.....	–11 53 58.4	....
13	138 B. Ursæ Majoris	9	14 40.12	– 0.68	– 2.21	15 41 53.55	43.540	–11.74	+ 17.1	10 14 37.23	– 2.82	+54 40 21.6	+25.4
14	32 H. Cephei s. p.	9	20 33.11	+ 7.15	– 2.21	55 19 53.15	46.848	–11.74	+1 27.9	22 20 38.05	+ 6.29	+85 39 11.9	–30.6
15	44 Hydræ	9	29 42.70	– 0.36	– 2.21	297 45 52.78	47.763	–11.74	–1 54.6	10 29 40.13	– 1.90	–23 16 14.1	+ 1.0
16	33 Sextantis	9	36 47.83	– 0.30	– 2.21	319 45 52.78	46.775	–11.74	– 51.3	10 36 45.32	.....	– 1 15 33.5	....
17	ν Hydræ	9	45 9.49	– 0.32	– 2.21	305 19 55.35	45.103	–11.74	–1 25.4	10 45 6.96	.....	–15 42 43.2	....
18	α Crateris	9	55 21.73	– 0.33	– **2.17**	303 13 52.95	45.998	–11.74	–1 32.4	10 55 19.19	.....	–17 48 32.1	....
19	θ Leonis	9	9 29.21	– 0.31	– **2.23**	336 57 54.55	43.802	–11.74	– 25.8	11 9 26.69	.....	+15 55 45.8	....
20	δ Crateris	9	14 48.67	– 0.31	– **2.24**	306 45 53.05	44.625	–11.74	–1 21.2	11 14 46.15	.....	–14 16 52.2	....
21	39 H. Cephei s. p.	9	27 41.78	+ 9.68	– 2.21	54 11 53.65	43.600	–11.74	+1 24.4	23 27 49.25	.....	+86 48 29.4	....
22	5 B. Ursæ Minoris	9	14 15.72	– 9.58	– 2.21	47 55 52.25	46.578	–11.74	+1 7.7	12 14 3.93	+ 6.15	+86 56 20.4	+31.1
23	Venus I, C	7	42 23.72	– 0.31	– 2.21	307 13 51.50	48.739	–11.49	–1 19.3	14 42 21.20	+ 0.47	–13 47 17.5	....
24	Venus II	7	42 24.86	– 0.31	– 2.21	... .	......	.....	. ....	14 42 22.34	– 0.67	.. ..	....
25	Mercury II, C	9	23 29.09	– 0.35	– 2.21	299 23 53.12	43.482	–11.31	–1 46.3	16 23 26.53	– 0.17	–21 39 42.8	....
	December 8, P.												
26	Sun I, S	9	59 4.44	– 0.38	– 2.20	298 1 53.65	46.175	–11.27	–1 52.1	16 59 1.86	+70.88	–23 0 46.5	....
27	Sun II, N	9	1 26.21	– 0.38	– 2.20	298 33 52.58	47.508	–11.27	–1 49.6	17 1 23.63	–70.89	–22 28 14.7	....
28	β Pegasi	9	59 22.96	– 0.36	– **2.19**	348 36	......	.....	. ....	22 59 20.39	.....	+27 35	....
29	α Pegasi	8	0 14.80	– 0.30	– **2.17**	335 43 52.25	47.072	–11.25	– 27.0	23 0 12.29	.....	+14 42 57.3	....
30	τ Pegasi	9	16 9.24	– 0.34	– **2.23**	344 15 52.45	45.728	–11.25	– 16.9	23 16 6.69	.....	+23 14 37.1	....
31	κ Piscium	9	22 17.32	– 0.28	– **2.17**	321 47 53.72	43.778	–11.25	– 47.2	23 22 14.83	.....	+ 0 45 23.6	....
32	39 H. Cephei	9	28 1.33	–10.03	– 2.21	47 47 54.20	47.147	–11.25	+1 6.4	23 27 49.09	.....	+86 48 34.3	....
33	3 Draconis s. p.	9	37 23.06	+ 1.74	– 2.21	73 41 54.70	48.210	–11.25	+3 24.3	11 37 22.59	.....	+67 14 42.6	....
34	33 Piscium	9	0 42.13	– 0.28	– **2.13**	314 49 53.70	43.080	–11.25	–1 0.4	0 0 39.64	.....	– 6 13 5.6	....
35	α Andromedæ	9	3 42.49	– 0.37	– **2.15**	349 35 52.70	47.480	–11.25	– 11.0	0 3 39.91	.....	+28 35 23.3	....
36	6 B. Ursæ Minoris s. p.	6	13 57.48	+18.51	– 2.21	52 47 54.80	44.917	–11.25	+1 19.4	12 14 13.78	.....	+88 12 1.9	....
37	ι Ceti	9	14 49.06	– 0.28	– **2.14**	311 41 54.28	46.718	–11.25	–1 7.4	0 14 46.57	.....	– 9 19 48.8	....
	December 8, L.												
38	Moon S	.	.. ..	.....	....	344 35 56.30	44.825	–11.77	– 16.6	.. ..	.....	+23 34 20.9	....
39	Moon II, N	9	14 25.50	– 0.35	– 2.21	345 5 55.05	47.990	–11.77	– 16.0	6 14 22.94	–70.03	+24 5 30.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 0 25	29.74	37.7	36.5
5 13	29.838	30.5	29.9
5 20	......	....	29.6
7 9	29.841	29.3	28.4
8 48	29.838	29.0	28.2
8 56	......	....	28.0
9 21	......	....	28.0
9 29	29.844	29.0	27.8
10 2	......	....	27.0
10 32	29.864	27.8	27.0
10 48	......	....	26.2
11 5	......	....	26.0
11 20	29.874	26.8	26.0
11 31	......	....	25.8
12 12	......	....	25.1
12 18	29.890	26.0	25.0
14 41	29.941	31.0	30.0
14 44	......	....	30.0
16 24	29.926	33.3	32.0
8 17 1	29.915	34.2	32.9
22 57	29.876	33.0	32.5
23 15	......	....	32.0
23 39	29.874	31.6	31.4
23 59	......	....	31.2
0 7	......	....	31.1
0 19	29.880	31.1	31.0
6 12	29.87	28.8	27.8

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at b_1, b_2.
3.	Bisections at I, II.
4, 26, 38.	Bisections at I, II, III.
5, 27, 39.	Bisections at V, VI, VII.
6, 23, 25.	Bisections at I, II, VI, VII.
10.	Bisections at III, V.
14, 32.	Bisections at b_1, b_3, b_5, b_7, b_9.
15, 17.	Bisections at II, VI, VII.
21.	Bisections at b_4, b_5, b_6.
22.	Bisections at b_4, b_6.
29.	Bisections at VI, VII.
33.	Bisections at III, IV, V.
36.	Bisections at b_7, b_8, b_9.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	″
4	+15 55.8	–15 32.2	+ 0.1	+ ′ 23.7
5	+16 25.8	+15 32.2	...	+31 58.0
6	+ 0.1	.. ....	...	+ 0.1
23	+ 5.5	.. ....	+ 0.1	+ 5.6
25	+ 5.5	.. ....	0.0	+ 5.5
26	+ 7.9	+16 15.8	...	+16 23.7
27	+ 7.8	–16 15.9	...	–16 8.1
38	+14 41.8	+15 20.3	– 0.1	+30 2.0
39	+14 12.3	–15 20.3	...	– 1 8.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Neptune C, C.	9	11 6.62	− 0.33	− 2.21	342 39 55.45	48.272	−11.59	− 18.9	7 11 4.08	.....	+21 39 35.9	....
2	220 H^1. Draconis s. P.	4	51 39.59	+ 3.73	− 2.20	60 45 54.85	46.823	−11.59	+1 48.4	20 51 41.12	.....	+80 12 50.0	....
3	α Hydræ.	9	23 8.93	− 0.25	− **2.29**	312 45 55.15	47.088	−11.59	−1 5.3	9 23 6.48	.....	− 8 15 37.6	....
4	d Ursæ Majoris.	9	26 30.49	− 1.46	− 2.20	31 13 57.22	46.122	−11.59	+ 36.9	9 26 26.83	.....	+70 13 44.0	....
5	α Leonis.	9	3 33.26	− 0.28	− **2.22**	333 25 55.82	46.802	−11.74	− 30.3	10 3 30.78	.....	+12 24 51.3	....
6	λ Hydræ.	9	6 10.81	− 0.26	− **2.24**	309 7 55.35	46.557	−11.74	−1 14.3	10 6 8.35	.....	−11 53 58.9	....
7	γ Leonis (*pr.*).	9	14 59.02	− 0.31	− **2.25**	341 19 56.30	44.670	−11.74	− 20.5	10 14 56.51	.....	+20 18 12.7	....
8	32 H. Cephei s. P.	8	20 31.88	+ 8.16	− 2.20	55 19 56.90	46.687	−11.74	+1 27.9	22 20 37.84	+ 6.61	+85 39 11.9	−30.6
9	ρ Leonis.	9	28 2.68	− 0.27	− **2.16**	330 47 55.50	46.405	−11.74	− 33.9	10 28 0.21	.....	+ 9 46 38.2	....
10	33 Sextantis.	8	36 47.95	− 0.25	− 2.20	319 45 54.82	46.602	−11.74	− 51.3	10 36 45.50	.....	− 1 15 35.4	....
11	42 Leonis Minoris.	9	40 49.93	− 0.38	− 2.20	352 9 56.78	48.118	−11.74	− 8.3	10 40 47.35	.....	+31 9 44.1	....
12	α Crateris.	9	55 21.87	− 0.27	− **2.33**	303 13 53.78	45.910	−11.74	−1 32.4	10 55 19.40	.....	−17 48 33.2	....
13	σ Leonis.	9	16 27.87	− 0.26	− **2.20**	327 33 55.42	44.561	−11.74	− 38.5	11 16 25.41	.....	+ 6 31 51.4	....
14	Mercury C, C.	9	30 1.92	− 0.12	− 2.19	299 1 54.68	44.784	−11.33	−1 46.0	16 29 59.61	0.00	−22 1 11.3	....
	December 9, L.												
15	Sun I, S.	9	3 27.58	− 0.12	− 2.19	297 55 53.80	46.072	−11.38	−1 50.8	17 3 25.27	+70.91	−23 6 47.5	....
16	Sun II, N.	9	5 49.41	− 0.12	− 2.19	298 27 53.32	47.400	−11.38	−1 48.4	17 5 47.10	−70.92	−22 34 15.4	....
17	39 H. Cephei.	9	28 0.78	−10.34	− 2.18	47 47 56.65	47.025	−11.68	+1 6.6	23 27 48.26	.....	+86 48 33.6	....
18	κ Andromedæ.	9	35 56.95	− 0.56	− 2.18	4 49 58.12	48.088	−11.68	+ 5.2	23 35 54.21	− 1.90	+43 49 58.1	−27.1
19	B. D.+36°5117.	9	42 11.83	− 0.47	− 2.18	358 0 0.35	49.265	−11.68	− 2.0	23 42 9.18	− 1.96	+37 0 20.3	−25.4
20	φ Pegasi.	9	47 52.85	− 0.35	− **2.14**	339 37 57.22	46.628	−11.68	− 22.3	23 47 50.32	.....	+18 36 56.6	....
21	B. D.+39°5194.	9	52 26.78	− 0.51	− 2.18	1 5 57.92	48.075	−11.68	+ 1.2	23 52 24.09	− 2.07	+40 5 53.8	−26.1
22	B. D.+38°5112.	9	56 46.34	− 0.49	− 2.18	0 5 58.38	49.480	−11.68	+ 0.2	23 56 43.67	− 2.11	+39 6 25.4	−25.8
23	33 Piscium.	9	0 42.21	− 0.30	− **2.21**	314 47 55.92	48.225	−11.68	−1 0.6	0 0 39.73	.....	− 6 13 6.4	....
24	B. D.+39°21.	8	6 49.16	− 0.50	− 2.18	0 53 56.70	47.668	−11.68	+ 1.0	0 6 46.48	− 2.22	−39 53 43.2	−25.9
25	12 Ceti.	9	25 25.37	− 0.30	− **2.22**	316 33 55.58	46.515	−11.68	− 57.0	0 25 22.89	.....	− 4 27 42.2	....
26	B. D.+39°21.	9	30 30.85	− 0.48	− 2.18	359 27 56.38	46.625	−11.68	− 0.5	0 30 28.19	− 2.45	+38 27 17.4	−25.1
27	B. D.+38°85.	9	35 12.82	− 0.48	− 2.17	359 55 58.15	49.892	−11.68	0.0	0 35 10.17	− 2.50	+38 56 34.5	−25.1
28	β Ceti.	9	39 3.21	− 0.31	− **2.25**	302 31 54.80	49.136	−11.68	−1 34.2	0 39 0.73	.....	−18 29 20.2	....
29	B. D.+40°167.	9	44 17.31	− 0.50	− 2.17	1 35 56.82	46.542	−11.68	+ 1.8	0 44 14.64	− 2.61	+40 35 18.3	−25.2
30	B. D.+38°136.	.	.. ..	.....	....	359 35 57.68	44.722	−11.68	− 0.4	0 49	.....	+38 34 35.3	−24.6
31	B. D.+39°224.	9	54 23.44	− 0.49	− 2.17	0 39 57.48	48.368	−11.68	+ 0.8	0 54 20.78	− 2.70	+39 39 59.8	−24.7
32	B. D.+39°249.	9	59 31.23	− 0.48	− 2.17	0 29 58.72	49.188	−11.68	+ 0.6	0 59 28.58	− 2.75	+39 30 19.5	−24.4
33	B. D.+37°223.	8	4 40.07	− 0.46	− 2.17	358 39 57.42	44.592	−11.68	− 1.3	1 4 37.44	− 2.76	+37 38 31.0	−23.8
34	B. D.+38°220.	9	9 35.67	− 0.48	− 2.17	359 57 56.18	49.060	−11.68	+ 0.1	1 9 33.02	− 2.83	+38 58 13.5	−23.9
35	υ Piscium.	9	14 29.67	− 0.37	− **2.19**	347 47 56.68	47.002	−11.68	− 13.0	1 14 27.13	.....	+26 47 14.0	....
36	B. D.+34°243.	.	.. ..	.....	....	356 15 58.60	47.685	−11.68	− 3.9	1 19	.....	+35 15 40.5	−22.6
	December 9, M.												
37	220 H^1. Draconis s. P.	9	51 39.06	+ 3.74	− 2.04	60 45 53.38	46.888	−11.48	+1 48.8	20 51 40.76	.....	+80 12 49.7	....
38	h Ursæ Majoris.	9	24 24.53	− 1.04	− 2.04	24 27 54.88	46.042	−11.48	+ 27.8	9 24 21.45	.....	+63 27 31.1	....
39	θ Ursæ Majoris.	9	26 48.72	− 0.68	− 2.04	13 5 56.00	46.500	−11.48	+ 14.3	9 26 46.00	.....	+52 5 29.2	....
40	α Leonis.	9	3 33.13	− 0.30	− **2.04**	333 25 53.90	46.850	−11.48	− 30.4	10 3 30.79	.....	+12 24 50.5	....
41	λ Hydræ.	9	6 10.61	− 0.28	− **1.99**	309 7 52.85	46.650	−11.48	−1 14.8	10 6 8.29	.....	−11 53 59.4	....
42	γ Leonis (*pr.*).	9	14 58.77	− 0.32	− **1.96**	341 19 54.40	44.680	−11.48	− 20.6	10 14 56.41	.....	+20 18 11.2	....
43	32 H. Cephei s. P.	9	20 31.17	+ 7.92	− 2.04	55 19 54.62	46.773	−11.48	+1 28.4	22 20 37.05	+ 6.93	+85 39 11.3	−30.6
44	ρ Leonis.	9	28 2.53	− 0.28	− **1.97**	330 47 52.08	46.522	−11.48	− 34.1	10 28 0.21	.....	+ 9 46 37.5	....
45	33 Sextantis.	9	36 47.77	− 0.27	− 2.04	319 45 52.18	46.698	−11.48	− 51.6	10 36 45.46	.....	− 1 15 35.9	....
46	42 Leonis Minoris.	9	40 49.78	− 0.38	− 2.04	352 9 55.52	48.118	−11.48	− 8.3	10 40 47.36	.....	+31 9 43.2	....
47	α Crateris.	9	55 21.64	− 0.29	− **2.05**	303 13 51.90	46.018	−11.48	−1 33.0	10 55 19.31	.....	−17 48 33.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 7 12	29.87	27.4	27.0
8 55	29.86	28.0	27.3
9 21	......	....	27.6
9 28	......	....	27.4
9 58	29.85	27.6	27.1
10 13	......	....	26.9
10 35	......	....	26.3
10 56	29.855	26.9	26.1
11 29	29.86	27.0	27.1
16 33	29.85	37.0	38.9
9 17 6	29.85	38.6	39.2
23 20	30.035	32.2	31.0
23 45	......	....	31.3
0 3	......	....	31.0
0 22	30.04	31.4	30.9
0 40	......	....	30.7
1 16	29.98	31.0	30.9
8 52	30.07	29.2	28.6
9 29	30.065	28.8	27.9
10 2	......	....	27.7
10 32	30.08	28.2	27.2

Micrometer bisections are made at II, VI, except as noted below.

1, 10–14, 28.	Bisections at I, II, VI, VII.
2.	Bisections at II, IV, V.
3, 5, 24, 27, 31.	Bisections at I, II.
6.	Bisections at II, VI, VII.
8.	Bisections at b_1, b_3, b_5.
15.	Bisections at I, II, III.
16.	Bisections at V, VI, VII.
17, 37, 43.	Bisections at III, IV, V.
18, 33.	Bisections at VI, VII.
30.	Bisections at V, VI.
35.	Bisections at I, II, VI.
36.	Bisections at IV, V, VI.
38.	Bisections at II, III.

Notes.

2, 3, 4, 13, 36.	Through clouds.
6.	Faint.
8, 10, 11.	Very diffuse.
12.	Very diffuse; unsteady.
17.	Diffuse; clouds.
18, 24, 27, 34.	Observed head north.
28.	Unsteady.
30.	Observed head south.
32, 33.	Very faint; clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 0.1	.. ....	...	+ 0.1
14	+ 5.4	.. ....	0.0	+ 5.4
15	+ 7.9	+16 16.0	...	+16 23.9
16	+ 7.8	−16 16.0	...	−16 8.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Leonis	9	9 29.09	− 0.29	− **2.07**	336 57 54.78	43.690	−11.48	− 26.0	11 9 26.77	.....	+15 55 43.6	....
2	ο Cephei s. P.	9	14 52.10	+ 1.78	− 2.03	73 21 55.35	42.365	−11.48	+3 23.3	23 14 51.85	.....	+67 36 56.7	....
3	τ Leonis	9	23 16.47	− 0.26	− **2.03**	324 23 53.80	44.210	−11.48	− 43.8	11 23 14.18	.....	+ 3 21 36.9	....
4	39 H. Cephei s. P.	9	27 39.67	+10.49	− 2.03	54 11 54.58	43.508	−11.48	+1 25.1	23 27 48.13	.....	+86 48 29.3	....
5	6 B. Ursæ Minoris	7	14 35.49	−17.65	− 2.03	49 11 56.22	45.612	−11.48	+1 11.2	12 14 15.81	.....	+88 12 6.1	....
	December 15, P.												
6	τ Pegasi	9	16 8.81	− 0.38	− **1.85**	344 15 53.05	45.640	−11.10	− 16.3	23 16 6.60	.....	+23 14 36.4	....
7	κ Piscium	9	22 16.94	− 0.35	− **1.80**	321 47 51.02	43.740	−11.10	− 45.5	23 22 14.76	.....	+ 0 45 21.9	....
8	39 H. Cephei	9	27 56.28	− 8.65	− 1.83	47 47 53.70	47.314	−11.10	+1 4.0	23 27 45.80	.....	+86 48 35.3	....
9	3 Draconis s. P.	9	37 23.57	+ 1.45	− 1.83	73 41 53.18	48.717	−11.10	+3 16.7	11 37 23.19	.....	+67 14 40.0	....
10	33 Piscium	9	0 41.81	− 0.36	− **1.81**	314 49 51.75	42.985	−11.10	− 58.3	0 0 39.62	.....	− 6 13 7.4	....
11	α Andromedæ	9	3 42.11	− 0.40	− **1.84**	349 35 52.50	47.442	−11.10	− 10.6	0 3 39.88	.....	+28 35 22.8	....
12	6 B. Ursæ Minoris s. P.	7	14 4.26	+15.81	− 1.83	52 47 52.85	45.188	−11.10	+1 16.5	12 14 18.24	.....	+88 12 0.5	....
13	ι Ceti	9	14 48.78	− 0.36	− **1.85**	311 41 52.28	46.630	−11.10	−1 5.0	0 14 46.59	.....	− 9 19 50.3	....
14	ε Andromedæ	9	33 45.99	− 0.41	− **1.79**	349 49 52.70	46.868	−11.10	− 10.3	0 33 43.75	.....	+28 49 10.2	....
15	ζ Andromedæ	9	42 32.18	− 0.38	− **1.85**	344 47 52.02	45.135	−11.10	− 15.7	0 42 29.97	.....	+23 46 24.5	....
16	43 H. Cephei	9	56 20.17	− 6.50	− 1.82	46 45 52.55	46.986	−11.10	+1 1.8	0 56 11.85	.....	+85 46 24.6	....
17	44 H. Cephei	9	4 27.69	− 2.45	− 1.82	40 11 53.42	45.447	−11.10	+ 49.1	1 4 23.42	− 5.68	+79 11 37.7	−30.6
	December 15, L.												
18	Venus C	.	.. ..	.....	....	304 19 53.30	48.698	−12.54	−1 24.9	15 21	.....	−16 41 23.3	....
	December 16, L.												
19	Sun N	.	.. ..	.....	....	297 57 50.15	48.897	−12.35	−1 47.8	17 35	.....	−23 3 44.5	....
20	Sun S	.	.. ..	.....	....	297 25 49.05	47.677	−12.35	−1 50.2	.. ..	.....	−23 36 16.1	....
	December 18, P.												
21	γ Piscium	9	12 27.53	− 0.27	− **1.75**	323 50	......	.....	. ....	23 12 25.50	.....	+ 2 47	....
22	τ Pegasi	9	16 8.61	− 0.30	− **1.77**	344 16	......	.....	. ....	23 16 6.55	.....	+23 15	....
23	υ Pegasi	9	20 50.91	− 0.30	− **1.76**	343 56	......	.....	. ....	23 20 48.85	.....	+22 54	....
24	κ Piscium	9	22 16.74	− 0.27	− **1.71**	321 48	......	.....	. ....	23 22 14.71	.....	+ 0 45	....
25	θ Piscium	9	23 21.87	− 0.27	− **1.80**	326 54	......	.....	. ....	23 23 19.84	.....	+ 5 53	....
	December 18, L.												
26	α Crateris	9	55 21.77	− 0.38	− **1.78**	303 13 50.42	45.932	−12.68	−1 30.7	10 55 19.65	.....	−17 48 35.3	....
27	χ Leonis	9	0 20.56	− 0.33	− **1.66**	328 51 52.90	44.472	−12.68	− 36.0	11 0 18.49	.....	+ 7 49 48.4	....
28	θ Leonis	9	9 29.16	− 0.33	− **1.79**	336 57 53.05	43.705	−12.68	− 25.3	11 9 27.09	.....	+15 55 41.9	....
29	ο Cephei s. P.	9	14 52.07	+ 1.43	− 1.74	73 21 53.65	42.642	−12.68	+3 18.0	23 14 51.76	.....	+67 36 58.1	....
30	τ Leonis	9	23 16.54	− 0.32	− **1.75**	324 23 52.25	44.198	−12.68	− 42.7	11 23 14.48	.....	+ 3 21 35.0	....
31	39 H. Cephei s. P.	8	27 37.75	+ 8.59	− 1.74	54 11 54.48	43.592	−12.68	+1 22.8	23 27 44.60	.....	+86 48 31.2	....
32	β Leonis	9	44 26.12	− 0.32	− **1.75**	336 5 53.75	46.978	−12.68	− 26.4	11 44 24.06	.....	+15 4 56.1	....
33	Groombridge 4163 s. P.	9	50 22.41	+ 1.90	− 1.74	67 5 53.55	41.374	−12.68	+2 21.0	23 50 22.57	.....	+73 54 23.9	....
34	14 Π¹. Draconis	9	0 40.54	− 1.94	− 1.74	38 25 53.20	43.178	−12.68	+ 47.5	12 0 36.86	− 1.68	+77 24 42.3	+32.2
35	10 Virginis	9	5 2.36	− 0.31	− 1.74	323 25 51.80	47.188	−12.68	− 44.3	12 5 0.31	− 1.82	+ 2 24 41.1	+12.8
36	γ Corvi	9	11 8.31	− 0.35	− **1.78**	303 59 52.05	47.495	−12.68	−1 28.3	12 11 6.22	.....	−17 1 55.4	....
37	6 B. Ursæ Minoris	6	14 36.62	−14.67	− 1.74	49 11 55.85	45.723	−12.68	+1 9.4	12 14 20.21	.....	+88 12 5.1	....
38	δ Corvi	9	25 9.93	− 0.35	− **1.69**	305 1 51.88	46.488	−12.68	−1 25.1	12 25 7.84	.....	−16 0 15.8	....
39	43 H. Cephei s. P.	9	56 5.67	+ 6.41	− 1.74	55 13 53.75	43.902	−12.68	+1 26.4	0 56 10.34	.....	+85 46 21.0	....
40	Moon II	9	31 31.81	− 0.32	− 1.74	309 36	......	.....	. ....	14 31 29.75	−64.50	.. ..	....
41	Venus I, C	9	36 26.89	− 0.32	− 1.74	303 21 50.15	46.868	−12.55	−1 30.4	15 36 24.83	+ 0.38	−17 40 13.8	....
42	Venus II	9	36 27.78	− 0.32	− 1.74	... .	......	.....	. ....	15 36 25.72	− 0.51	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 11 19	......	....	26.2
11 32	30.10	27.3	25.8
12 18	30.11	26.8	25.4
15 23 14	29.862	49.0	49.0
23 33	......	....	49.1
23 39	......	....	49.0
23 58	29.867	48.9	48.3
0 21	......	....	48.0
0 46	29.866	48.4	49.0
1 7	29.862	48.1	48.8
15 22	30.01	49.0	49.0
16 17 37	29.97	53.7	53.7
18 10 54	29.725	34.4	32.9
11 7	......	....	32.7
11 17	......	....	32.7
11 32	......	....	32.4
12 6	......	....	32.0
12 26	29.76	32.2	31.8
12 59	29.77	31.6	31.1
15 37	29.835	34.2	33.4

Micrometer bisections are made at II, VI, except as noted below.

2, 9, 17, 39.	Bisections at III, IV, V.
3, 28, 30, 36.	Bisections at I, II.
4.	Bisections at b_1, b_3, b_5.
5.	Bisections at b_4, b_5, b_6.
8, 16.	Bisections at b_1, b_3, b_5, b_7, b_9.
12.	Bisections at b_6, b_8, b_9.
18, 26, 29, 33, 41.	Bisections at I, II, VI, VII.
19.	Bisections at I, II, III.
20.	Bisections at V, VI, VII.
31, 37.	Bisections at b_3, b_5, b_7.
34.	Bisections at II, III.
38.	Bisections at VI, VII.

Notes.

9. Fuzzy.
13. Faint.
26. Unsteady.
29. Poor image; unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
18	+ 5.4	.. ....	+ 0.1	+ 5.5
19	+ 7.9	−16 15.8	...	−16 7.9
20	+ 7.9	+16 15.8	...	+16 23.7
41	+ 5.4	.. ....	+ 0.1	+ 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 19, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	47 39.35	− 0.34	− 1.73	297 19 50.00	48.500	−12.51	−1 53.9	17 47 37.28	+71.29	−23 42 0.0	....
2	Sun II, N.	9	50 1.93	− 0.34	− 1.73	297 51 50.92	49.905	−12.51	−1 51.3	17 49 59.86	−71.29	−23 9 24.6	....
3	τ Pegasi.	9	16 8.54	− 0.33	− **1.68**	344 15 55.40	45.600	−12.62	− 16.6	23 16 6.48	.....	+23 14 36.0	....
4	39 H. Cephei.	9	27 54.11	− 8.58	− 1.73	47 47 55.90	47.172	−12.64	+1 5.4	23 27 43.80	.....	+86 48 34.0	....
5	κ Andromedæ.	9	35 56.27	− 0.46	− 1.73	4 49 54.95	48.212	−12.66	+ 5.1	23 35 54.08	− 1.69	+43 49 56.9	−26.7
6	B. D.+36°5117.	9	42 11.24	− 0.40	− 1.73	357 59 55.25	49.470	−12.67	− 2.0	23 42 9.11	− 1.79	+37 0 18.9	−24.9
7	φ Pegasi.	8	47 52.25	− 0.31	− **1.70**	339 38	......	.....	. ....	23 47 50.21	.....	+18 36	....
8	B. D.+39°5194.	9	52 26.03	− 0.42	− 1.73	1 5 54.95	48.285	−12.69	+ 1.2	23 52 23.88	− 1.88	+40 5 54.6	−25.8
9	B. D.+38°5112.	9	56 45.67	− 0.41	− 1.73	0 5 55.45	49.678	−12.70	+ 0.2	23 56 43.53	− 1.93	+39 6 26.0	−25.6
10	33 Piscium.	9	0 41.65	− 0.30	− **1.75**	314 48	......	.....	. ....	0 0 39.62	.....	− 6 13	....
11	B. D.+39°21.	9	6 48.48	− 0.42	− 1.73	0 53 55.00	47.732	−12.72	+ 1.0	0 6 46.33	− 2.04	+39 53 42.0	−25.8
12	6 B. Ursæ Minoris s. p.	9	14 8.89	+15.84	− 1.73	52 47 53.12	45.137	−12.74	+1 18.2	12 14 23.00	.....	+88 12 1.1	....
13	12 Ceti.	9	25 24.71	− 0.29	− **1.68**	316 34	......	.....	. ....	0 25 22.70	.....	− 4 28	....
14	B. D.+38°73.	.	.. ..	.....	....	359 27 54.60	46.715	−12.77	− 0.5	0 30	.....	+38 27 16.4	−25.1
15	B. D.+38°85.	9	35 12.11	− 0.41	− 1.72	359 55 54.58	50.065	−12.78	0.0	0 35 9.98	− 2.34	+38 56 33.7	−25.2
16	B. D.+40°167.	9	44 16.53	− 0.42	− 1.72	1 35 54.88	46.688	−12.80	+ 1.7	0 44 14.39	− 2.45	+40 35 18.5	−25.4
17	B. D.+38°136.	9	49 16.26	− 0.40	− 1.72	359 35 54.55	44.910	−12.81	− 0.4	0 49 14.14	− 2.48	+38 34 35.4	−24.8
18	B. D.+39°224.	9	54 22.64	− 0.41	− 1.72	0 39 54.68	48.608	−12.82	+ 0.8	0 54 20.51	− 2.54	+39 40 1.2	−25.0
19	B. D.+39°249.	9	59 30.48	− 0.41	− 1.72	0 29 55.08	49.460	−12.83	+ 0.6	0 59 28.35	− 2.60	+39 30 20.9	−24.8
20	B. D.+37°223.	9	4 39.41	− 0.39	− 1.72	358 39 54.28	44.735	−12.84	− 1.3	1 4 37.30	− 2.62	+37 38 30.2	−24.1
21	B. D.+38°220.	9	9 35.08	− 0.40	− 1.72	359 57 54.00	49.152	−12.85	+ 0.1	1 9 32.96	− 2.69	+38 58 12.2	−24.3
22	υ Piscium.	9	14 29.04	− 0.33	− **1.70**	347 48	......	.....	. ....	1 14 26.99	.....	+26 47	....
23	B. D.+34°243.	9	19 59.60	− 0.37	− 1.72	356 15 55.02	47.822	−12.87	− 3.8	1 19 57.51	− 2.73	+35 15 39.0	−23.0
24	B. D.+35°282.	9	24 1.43	− 0.38	− 1.72	357 9 54.50	47.520	−12.88	− 2.9	1 23 59.33	− 2.78	+36 9 32.4	−23.0
25	B. D.+40°315.	9	28 15.22	− 0.41	− 1.72	1 25 54.90	49.072	−12.89	+ 1.6	1 28 13.09	− 2.90	+40 26 12.8	−24.0
26	B. D.+37°335.	9	33 29.32	− 0.39	− 1.72	359 11 54.38	47.218	−12.90	− 0.8	1 33 27.21	− 2.91	+38 11 27.5	−23.2
27	B. D.+37°356.	9	38 50.13	− 0.39	− 1.72	359 3 54.35	48.562	−12.91	− 0.9	1 38 48.02	− 2.96	+38 3 58.1	−22.9
28	α Trianguli.	9	47 54.98	− 0.33	− **1.72**	350 9 55.02	44.438	−12.93	− 10.3	1 47 52.93	.....	+29 8 15.1	....
29	B. D.+37°437.	9	52 24.74	− 0.39	− 1.72	358 59 54.70	49.322	−12.94	− 1.0	1 52 22.63	− 3.08	+38 0 15.7	−22.2
30	B. D.+37°465.	9	57 11.98	− 0.39	− 1.72	359 7 54.60	44.545	−12.95	− 0.8	1 57 9.87	− 3.12	+38 6 26.6	−22.0
31	α Arietis.	9	2 4.03	− 0.30	− **1.76**	344 4	......	.....	. ....	2 2 2.01	.....	+23 2	....
32	B. D.+36°427.	9	5 59.36	− 0.38	− 1.72	357 55 54.28	47.440	−12.97	− 2.1	2 5 57.26	− 3.17	+36 55 31.1	−21.2
33	B. D.+38°442.	9	9 47.88	− 0.39	− 1.72	359 43 53.12	50.795	−12.97	− 0.2	2 9 45.77	− 3.25	+38 44 48.5	−21.4
34	B. D.+39°521.	9	14 2.62	− 0.40	− 1.72	0 25 53.95	46.198	−12.98	+ 0.5	2 14 0.50	− 3.31	+39 25 5.0	−21.3
35	B. D.+38°472.	9	18 35.73	− 0.39	− 1.72	359 55 54.48	48.810	−12.99	0.0	2 18 33.62	− 3.33	+38 56 4.7	−20.9
36	ξ² Ceti.	9	23 20.81	− 0.27	− **1.75**	329 6	......	.....	. ....	2 23 18.82	.....	+ 8 3	....
37	B. D.+36°512.	9	27 21.47	− 0.38	− 1.72	357 55 54.92	48.968	−13.01	− 2.1	2 27 19.37	− 3.35	+36 56 6.6	−19.9
38	B. D.+38°527.	9	33 11.94	− 0.39	− 1.72	359 45 53.52	47.385	−13.02	− 0.2	2 33 9.83	− 3.45	+38 45 30.9	−19.9
39	B. D.+36°543.	9	37 42.85	− 0.37	− 1.72	357 33 54.22	46.725	−13.03	− 2.5	2 37 40.76	− 3.42	+36 33 14.2	−19.1
40	B. D.+37°634.	9	41 48.27	− 0.38	− 1.72	358 23 53.68	50.610	−13.04	− 1.6	2 41 46.17	− 3.48	+37 24 43.4	−19.0
41	B. D.+36°582.	9	46 31.94	− 0.37	− 1.72	357 43 53.20	46.938	−13.05	− 2.3	2 46 29.85	− 3.49	+36 43 18.4	−18.5
42	B. D.+37°662.	9	50 18.77	− 0.38	− 1.72	359 13 54.65	46.358	−13.06	− 0.7	2 50 16.67	− 3.57	+38 13 8.0	−18.6
43	B. D.+37°675.	9	54 27.78	− 0.38	− 1.72	358 45 54.20	49.440	−13.07	− 1.2	2 54 25.68	− 3.58	+37 46 17.6	−18.2
44	α Ceti.	9	57 33.12	− 0.26	− **1.77**	324 46	......	.....	. ....	2 57 31.14	.....	+ 3 44	....
	December 20, M.												
45	Neptune C, C.	9	9 48.13	− 0.29	− 1.53	342 43 52.18	43.646	−12.12	− 18.6	7 9 46.31	.....	+21 41 46.6	....
	December 23, L.												
46	Sun I, N.	9	5 25.69	− 0.22	− 1.47	297 51 53.68	47.225	−10.77	−1 54.3	18 5 24.00	+71.27	−23 10 24.1	....
47	Sun II, S.	9	7 48.23	− 0.22	− 1.47	297 19 53.02	45.885	−10.77	−1 56.9	18 7 46.54	−71.27	−23 42 58.2	....
48	39 H. Cephei.	9	27 53.50	−10.22	− 1.46	47 47 58.32	46.933	−10.96	+1 7.3	23 27 41.82	.....	+86 48 34.6	....
49	6 B. Ursæ Minoris s. p.	9	14 7.33	+19.10	− 1.46	52 47 55.02	44.898	−11.00	+1 20.5	12 14 24.97	.....	+88 12 0.6	....
50	ε Andormedæ.	9	33 45.42	− 0.30	− **1.43**	349 49 56.25	46.752	−11.05	− 10.9	0 33 43.66	.....	+28 49 10.5	....
51	ζ Andromedæ.	9	42 31.58	− 0.27	− **1.46**	344 47 56.42	44.955	−11.07	− 16.5	0 42 29.85	.....	+23 46 24.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 17 50	29.795	38.2	37.2
23 17	29.735	38.0	36.9
23 31	......	....	36.9
0 15	......	....	35.4
0 41	29.735	36.8	35.0
1 29	......	....	34.2
1 41	29.725	35.3	34.0
2 4	......	....	33.5
2 31	......	....	33.1
3 0	29.705	34.0	32.7
20 7 10	29.715	31.8	31.1
23 18 8	30.08	30.3	29.6
23 31	30.08	29.3	28.7
0 13	......	....	28.0
0 32	......	....	27.6
0 45	30.085	28.3	27.7

Micrometer bisections are made at II, VI, except as noted below.

1, 46.	Bisections at I, II, III.
2, 47.	Bisections at V, VI, VII.
3.	Bisections at II, VII.
4, 12, 48, 49.	Bisections at III, IV, V.
11, 41.	Bisections at I, II.
14.	Bisections at VI, VII.
43.	Bisection at I.
45.	Bisections at I, II, VI, VII.

Notes.

6, 14, 20, 23, 24, 32, 33, 42, 43.	Observed head south.
8, 9, 16, 18, 19.	Observed head north.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.9	+16 17.7	...	+16 25.6
2	+ 7.9	−16 17.7	...	−16 9.8
45	+ 0.1	.. ....	...	+ 0.1
46	+ 7.9	−16 17.0	...	−16 9.1
47	+ 7.9	+16 17.1	...	+16 25.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	43 H. Cephei	9	56 18.72	− 7.65	− 1.46	46 45 57.72	46.607	−11.10	+1 5.1	0 56 9.61	.....	+85 46 24.3	....
2	θ Ceti	9	19 29.51	− 0.21	− **1.46**	312 23 53.00	42.832	−11.16	−1 6.8	1 19 27.84	.....	− 8 39 18.2	....
3	B. D.+35°282	9	24 1.08	− 0.37	− 1.45	357 9 57.15	47.408	−11.17	− 3.0	1 23 59.26	− 2.74	+36 9 34.2	−23.2
4	B. D.+40°315	9	28 14.87	− 0.42	− 1.45	1 25 55.88	49.050	−11.19	+ 1.6	1 28 13.00	− 2.85	+40 26 15.0	−24.2
5	B. D.+37°335	9	33 29.01	− 0.39	− 1.45	359 11 55.30	47.075	−11.20	− 0.8	1 33 27.17	− 2.86	+38 11 26.9	−23.4
6	B. D.+37°356	9	38 49.87	− 0.39	− 1.45	359 3 57.12	48.350	−11.21	− 0.9	1 38 48.03	− 2.91	+38 3 57.7	−23.1
7	α Trianguli	9	47 54.67	− 0.32	− **1.45**	350 9 56.02	44.358	−11.23	− 10.6	1 47 52.90	.....	+29 8 15.7	....
8	B. D.+37°437	9	52 24.39	− 0.39	− 1.45	358 59 55.20	49.192	−11.24	− 1.0	1 52 22.55	− 3.04	+38 0 14.9	−22.4
9	B. D.+37°465	9	57 11.73	− 0.40	− 1.45	359 7 55.28	44.415	−11.25	− 0.9	1 57 9.88	− 3.09	+38 6 25.9	−22.2
10	α Arietis	9	2 3.66	− 0.28	− **1.44**	344 4	......	−11.26	. ....	2 2 1.93	.....	+23 1	....
11	B. D.+36°427	9	5 59.03	− 0.38	− 1.45	357 55 57.10	47.338	−11.27	− 2.1	2 5 57.20	− 3.14	+36 55 33.3	−21.5
12	B. D.+38°442	9	9 47.53	− 0.40	− 1.45	359 43 56.25	50.670	−11.28	− 0.2	2 9 45.68	− 3.22	+38 44 50.5	−21.7
13	B. D.+39°521	9	14 2.26	− 0.41	− 1.45	0 25 55.68	46.128	−11.29	+ 0.5	2 14 0.40	− 3.27	+39 25 6.8	−21.6
14	B. D.+38°472	9	18 35.39	− 0.41	− 1.45	359 55 55.25	48.780	−11.30	0.0	2 18 33.53	− 3.30	+38 56 6.4	−21.2
15	ξ² Ceti	9	23 20.47	− 0.23	− **1.47**	329 6	......	−11.31	. ....	2 23 18.79	.....	+ 8 3	....
16	B. D.+36°512	9	27 21.21	− 0.39	− 1.45	357 55 55.75	48.818	−11.32	− 2.1	2 27 19.37	− 3.32	+36 56 5.7	−20.2
17	B. D.+38°527	9	33 11.64	− 0.41	− 1.45	359 45 55.35	47.180	−11.34	− 0.2	2 33 9.78	− 3.42	+38 45 29.7	−20.2
18	B. D.+36°543	9	37 42.58	− 0.39	− 1.45	357 33 56.58	46.528	−11.35	− 2.5	2 37 40.74	− 3.40	+36 33 13.8	−19.4
19	B. D.+37°634	9	41 47.96	− 0.40	− 1.45	358 23 56.42	50.370	−11.36	− 1.6	2 41 46.11	− 3.45	+37 24 42.3	−19.3
20	B. D.+36°582	9	46 31.65	− 0.39	− 1.45	357 43 56.28	46.682	−11.37	− 2.4	2 46 29.81	− 3.47	+36 43 17.1	−18.8
21	B. D.+37°662	9	50 18.40	− 0.40	− 1.45	359 13 54.98	46.310	−11.38	− 0.8	2 50 16.55	− 3.55	+38 13 8.9	−18.9
22	B. D.+37°675	9	54 27.47	− 0.40	− 1.45	358 45 55.82	49.342	−11.40	− 1.2	2 54 25.62	− 3.56	+37 46 18.7	−18.5
23	α Ceti	9	57 32.77	− 0.23	− **1.47**	324 46	......	−11.40	. ....	2 57 31.09	.....	+ 3 43	....
	December 26, L.												
24	Sun I, S	9	18 45.15	− 0.24	− 1.25	297 23 51.65	46.350	−12.39	−1 52.7	18 18 43.66	+71.30	−23 38 46.1	....
25	Sun II, N	9	21 7.76	− 0.24	− 1.25	297 55 52.92	47.770	−12.39	−1 50.1	18 21 6.27	−71.31	−23 6 10.1	....
26	39 H. Cephei	5	27 52.94	−10.56	− 1.23	47 47 57.85	47.112	−12.61	+1 5.6	23 27 41.15	.....	+86 48 35.1	....
27	33 Piscium	9	0 41.01	− 0.25	− **1.24**	314 49 55.15	42.990	−12.61	− 59.7	0 0 39.53	.....	− 6 13 6.8	....
28	α Andromedæ	9	3 41.28	− 0.37	− **1.20**	349 35 57.12	47.290	−12.61	− 10.8	0 3 39.68	.....	+28 35 22.2	....
29	6 B. Ursæ Minoris s. p.	9	14 8.89	+19.52	− 1.23	52 47 57.05	44.998	−12.61	+1 18.5	12 14 27.18	.....	+88 12 0.6	....
30	ε Andromedæ	9	33 45.23	− 0.37	− **1.21**	349 49 57.22	46.740	−12.61	− 10.6	0 33 43.63	.....	+28 49 9.9	....
31	ζ Andromedæ	9	42 31.41	− 0.34	− **1.26**	344 47 56.85	44.982	−12.61	− 16.1	0 42 29.84	.....	+23 46 23.9	....
32	43 H. Cephei	9	56 17.22	− 7.91	− 1.23	46 45 59.48	46.725	−12.61	+1 3.5	0 56 8.08	.....	+85 46 25.6	....
33	χ Piscium	9	6 34.36	− 0.32	− 1.23	341 33 54.22	47.065	−12.61	− 19.8	1 6 32.81	− 2.39	+20 33 5.2	−19.0
34	l Ursæ Minoris s. p.	9	18 6.89	+ 7.55	− 1.23	55 45 56.65	45.830	−12.61	+1 27.7	13 18 13.21	+ 5.56	+85 13 32.7	+32.2
35	η Piscium	9	26 37.54	− 0.29	− **1.24**	335 53 55.12	46.095	−12.61	− 26.6	1 26 36.02	.....	+14 52 37.1	....
36	υ Persei	9	32 25.27	− 0.60	− 1.23	9 11 55.65	43.385	−12.61	+ 9.7	1 32 23.44	.....	+48 10 12.0	....
37	13 B. Ursæ Minoris s. p.	9	34 56.91	+ 2.19	− 1.23	69 15 57.50	46.661	−12.61	+2 37.1	13 34 57.87	+ 0.45	+71 42 3.4	+30.7
38	54 Ceti	9	46 3.08	− 0.28	− 1.23	331 37 55.65	43.578	−12.61	− 32.2	1 46 1.57	− 2.58	+10 35 34.5	−14.7
39	ξ Piscium	9	48 51.57	− 0.26	− **1.26**	323 45 54.35	45.940	−12.61	− 43.6	1 48 50.08	.....	+ 2 44 15.9	....
40	α Arietis	9	2 3.43	− 0.33	− **1.19**	344 3 57.65	43.955	−12.61	− 17.0	2 2 1.87	.....	+23 2 0.3	....
	December 27, M.												
41	Neptune C, C	9	8 58.74	− 0.35	− 0.96	342 43 55.05	47.125	−12.50	− 18.2	7 8 57.43	.....	+21 43 9.1	....
42	220 H¹. Draconis s. p.	9	51 36.05	+ 4.01	− 0.95	60 45 51.10	47.333	−12.68	+1 45.9	20 51 39.11	.....	+80 12 45.9	....
43	h Ursæ Majoris	9	24 24.49	− 1.09	− 0.95	24 27 55.38	46.152	−12.68	+ 27.2	9 24 22.45	.....	+63 27 32.2	....
44	θ Ursæ Majoris	9	26 48.47	− 0.70	− 0.95	13 5 56.15	46.570	−12.68	+ 13.9	9 26 46.82	.....	+52 5 29.3	....
45	o Leonis	9	36 18.78	− 0.28	− **0.93**	331 19 53.50	46.018	−12.68	− 32.5	9 36 17.55	.....	+10 18 27.8	....
46	ε Leonis	9	40 42.42	− 0.34	− **0.95**	345 11 55.82	48.240	−12.68	− 15.7	9 40 41.13	.....	+24 11 37.6	....
47	α Leonis	9	3 32.59	− 0.29	− **0.93**	333 25 53.72	46.738	−12.68	− 29.7	10 3 31.35	.....	+12 24 47.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 0 59	......	....	27.4
1 20	......	....	27.0
1 43	30.08	27.2	26.8
2 22	......	....	26.0
2 45	......	....	25.3
3 2	30.065	26.0	25.0
26 18 21	29.605	38.8	38.2
23 31	29.75	36.2	35.5
0 5	......	....	34.8
0 20	......	....	34.3
0 37	29.755	34.8	33.8
0 59	......	....	33.4
1 21	......	....	33.7
1 37	......	....	33.1
1 50	29.745	33.3	33.0
2 3	......	....	32.7
27 7 9	29.88	38.8	41.3
8 46	29.94	38.7	40.0
9 31	[illegible]	37.7	37.7
9 43	......	....	37.3
10 1	......	....	37.9

Micrometer bisections are made at II, VI, except as noted below.

1, 32, 34, 42. Bisections at III, IV, V.
22, 36, 43. Bisections at I, II.
24. Bisections at I, II, III.
25. Bisections at V, VI, VII.
26. Bisections at b_3, b_7.
29. Bisections at b_3, b_5, b_7.
37. Bisections at II, IV, VI, VII.
41. Bisections at I, II, VI, VII.

Notes.

4, 13, 14. Observed head north.
5, 6, 8, 9, 16–20. Observed head south.
26. Clouds.
29. Diffuse.
32, 34. Unsteady.
34. Revolutions of micrometer reading assumed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
24	+ 7.9	+16 18.0	...	+16 25.9
25	+ 7.9	−16 18.0	...	−16 10.1
41	+ 0.1	.. ....	...	+ 0.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	*d* Leonis	9	55 52.38	− 0.27	− **0.96**	325 7 53.02	46.448	−12.84	− 41.4	10 55 51.16	.....	+ 4 6 28.1	....
2	χ Leonis	9	0 20.11	− 0.27	− **0.97**	328 51 55.00	44.255	−12.84	− 36.0	11 0 18.89	.....	+ 7 49 45.3	....
3	θ Leonis	9	9 28.62	− 0.30	− **0.97**	336 57 54.95	43.520	−12.84	− 25.3	11 9 27.37	.....	+15 55 39.2	....
4	δ Crateris	9	14 48.02	− 0.26	− **0.96**	306 45 52.45	44.325	−12.84	−1 19.6	11 14 46.81	.....	−14 16 59.3	....
5	τ Leonis	9	23 15.98	− 0.26	− **0.94**	324 23 52.90	44.078	−12.84	− 42.7	11 23 14.77	.....	+ 3 21 32.7	....
6	39 H. Cephei s. P.	9	27 30.56	+11.29	− 0.95	54 11 54.18	43.665	−12.84	+1 22.8	23 27 40.90	.....	+86 48 29.7	....
7	Groombridge 1830	9	47 44.82	− 0.46	− 0.95	359 23 56.22	43.871	−12.84	− 0.6	11 47 43.41	.....	+38 22 13.1	....
8	6 B. Ursæ Minoris	7	14 48.66	−19.22	− 0.95	49 11 53.90	45.768	−12.84	+1 9.5	12 14 28.49	.....	+88 12 4.3	....
9	43 H. Cephei s. P.	9	56 0.89	+ 8.61	− 0.94	55 13 51.75	44.017	−12.84	+1 26.4	0 56 8.56	.....	+85 46 20.5	....
	December 28, M.												
10	Sun I, S	9	27 37.66	− 0.24	− 0.92	297 29 52.78	44.172	−12.58	−1 53.3	18 27 36.50	+71.12	−23 33 35.4	....
11	Sun II, N	9	29 59.91	− 0.24	− 0.92	298 1 52.80	45.505	−12.58	−1 50.8	18 29 58.75	−71.13	−23 1 2.9	....
12	39 H. Cephei	5	27 52.12	−10.12	− 0.90	47 47 53.95	47.295	−12.50	+1 5.6	23 27 41.10	.....	+86 48 35.3	....
13	Moon I, S	9	28 44.48	− 0.28	− 0.90	311 3 54.10	44.748	−12.50	−1 8.0	23 28 43.30	+68.22	− 9 58 36.0	....
14	2 Ceti	9	59 4.78	− 0.27	− **0.96**	303 12	......	.....	. ....	23 59 3.61	.....	−17 50	....
15	33 Piscium	9	0 40.69	− 0.25	− **0.94**	314 49 52.68	43.008	−12.50	− 59.7	0 0 39.54	.....	− 6 13 8.6	....
16	α Andromedæ	9	3 40.95	− 0.34	− **0.93**	349 35 55.05	47.330	−12.50	− 10.9	0 3 39.71	.....	+28 35 21.0	....
17	γ Pegasi	9	8 32.96	− 0.28	− **0.92**	335 41 53.72	46.238	−12.50	− 26.8	0 8 31.78	.....	+14 40 38.9	....
18	6 B. Ursæ Minoris s. P.	7	14 10.49	+18.31	− 0.90	52 47 51.95	45.257	−12.50	+1 18.5	12 14 27.90	.....	+88 11 59.0	....
19	ε Andromedæ	9	33 44.84	− 0.33	− **0.89**	349 49 55.28	46.788	−12.50	− 10.6	0 33 43.61	.....	+28 49 9.2	....
20	ζ Andromedæ	9	42 31.02	− 0.29	− **0.94**	344 47 54.48	45.035	−12.50	− 16.1	0 42 29.83	.....	+23 46 22.9	....
21	43 H. Cephei	9	56 16.67	− 7.22	− 0.90	46 45 54.98	46.932	−12.50	+1 3.5	0 56 8.55	.....	+85 46 26.1	....
	December 28, P.												
22	Neptune C, C	8	8 51.66	− 0.24	− 0.98	342 43 53.62	47.750	−11.84	− 18.6	7 8 50.44	.....	+21 43 22.2	....
23	α Hydræ	9	23 8.15	− 0.21	− **0.98**	312 45 53.95	46.982	−12.14	−1 5.0	9 23 6.97	.....	− 8 15 41.6	....
24	*d* Ursæ Majoris	9	26 30.63	− 1.28	− 0.97	31 13 54.85	46.328	−12.14	+ 36.7	9 26 28.38	.....	+70 13 45.9	....
25	α Leonis	9	3 32.57	− 0.24	− **0.93**	333 25 55.40	46.710	−12.14	− 30.1	10 3 31.36	.....	+12 24 48.5	....
26	γ Leonis (*pr.*)	9	14 58.36	− 0.27	− **0.95**	341 19 52.85	44.700	−12.14	− 20.4	10 14 57.12	.....	+20 18 9.7	....
27	μ Hydræ	9	21 42.31	− 0.25	− **0.97**	304 39 54.92	46.900	−12.14	−1 27.0	10 21 41.09	.....	−16 22 4.3	....
28	α Antliæ	9	23 0.41	− 0.32	− 0.97	290 27 54.00	45.128	−12.14	−2 40.2	10 22 59.12	.....	−30 35 59.0	....
29	α Crateris	9	55 21.18	− 0.26	− **0.99**	303 13 53.52	45.703	−12.26	−1 31.8	10 55 19.96	.....	−17 48 38.2	....
30	χ Leonis	9	0 20.06	− 0.25	− **0.91**	328 51 53.95	44.390	−12.26	− 36.4	11 0 18.85	.....	+ 7 49 47.6	....
31	θ Leonis	9	9 28.55	− 0.27	− **0.90**	336 57 54.45	43.612	−12.26	− 25.7	11 9 27.32	.....	+15 55 41.0	....
32	*o* Cephei s. P.	9	14 50.17	+ 1.79	− 0.96	73 21 51.18	42.665	−12.26	+3 20.9	23 14 51.00	.....	+67 36 57.2	....
33	τ Leonis	9	23 16.01	− 0.24	− **0.96**	324 23 52.62	44.155	−12.26	− 43.3	11 23 14.81	.....	+ 3 21 34.0	....
34	39 H. Cephei s. P.	8	27 30.88	+10.62	− 0.96	54 11 54.45	43.568	−12.26	+1 24.0	23 27 40.54	.....	+86 48 30.0	....
35	298 G. Hydræ	9	44 9.70	− 0.28	− 0.96	294 47 53.72	48.117	−12.26	−2 10.0	11 44 8.46	− 2.26	−26 14 21.0	+ 5.2
36	γ Ursæ Majoris	9	49 3.87	− 0.69	− 0.96	15 13 53.80	42.432	−12.26	+ 16.6	11 49 2.22	.....	+54 11 55.5	....
37	14 H¹. Draconis	9	0 41.20	− 2.40	− 0.96	38 25 52.92	43.118	−12.26	+ 48.2	12 0 37.84	− 2.86	+77 24 41.9	+33.3
38	γ Corvi	9	11 7.68	− 0.25	− **0.91**	303 59 54.62	47.335	−12.26	−1 29.5	12 11 6.47	.....	−17 1 57.7	....
39	6 B. Ursæ Minoris	6	14 47.53	−18.62	− 0.96	49 11 55.48	45.650	−12.26	+1 10.3	12 14 27.95	.....	+88 12 4.0	....
40	43 H. Cephei s. P.	9	56 0.33	+ 8.31	− 0.96	55 13 55.28	43.790	−12.31	+1 26.9	0 56 7.68	.....	+85 46 21.2	....
41	α Ursæ Minoris s. P.	9	26 9.50	+28.05	− 0.96	52 9 50.75	46.743	−12.59	+1 18.3	1 26 36.59	.....	+88 49 27.3	....
42	Venus I, C	9	27 38.29	− 0.23	− 0.93	300 37 53.20	45.059	−12.13	−1 41.0	16 27 37.13	+ 0.43	−20 25 2.2	....
43	Venus II	9	27 39.28	− 0.23	− 0.93	... .	......	.....	. ....	16 27 38.12	− 0.56	.. ..	....
	December 29, P.												
44	Sun I, N	9	32 3.59	− 0.19	− 0.93	298 3 52.02	48.842	−11.58	−1 49.6	18 32 2.47	+71.21	−22 57 44.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 10 20	......	....	37.8
10 56	29.97	36.2	37.2
11 19	......	....	36.7
12 21	30.005	34.8	35.3
12 56	30.04	34.8	35.2
28 18 30	30.052	40.9	40.8
23 20	30.035	40.0	40.5
23 58	......	....	39.2
0 22	30.035	38.8	38.8
1 2	30.04	38.8	37.9
7 6	29.966	34.0	33.5
9 21	29.988	33.1	31.9
9 29	......	....	31.9
10 1	29.990	33.0	31.4
10 25	29.994	32.5	31.2
10 54	29.994	32.0	31.2
11 21	......	....	30.1
11 40	30.010	31.2	30.5
12 6	......	....	30.0
12 22	30.012	31.0	30.0
12 53	......	....	32.9
13 31	30.040	30.0	29.0
16 28	30.134	37.2	35.7

Micrometer bisections are made at II, VI, except as noted below.

4, 11, 38.	Bisections at VI, VII.
5, 10, 15, 27, 44.	Bisections at I, II.
6.	Bisections at b_1, b_3, b_5.
8, 41.	Bisections at b_4, b_5, b_6.
9, 32.	Bisections at III, IV, V.
12, 18.	Bisections at b_1, b_2, b_3.
13.	Bisections at II, III, IV, V, VI.
21, 39.	Bisections at b_5, b_7, b_9.
22, 42.	Bisections at I, II, VI, VII.
24, 37.	Bisections at III, V.
28.	Bisections at I, II, VI.
29, 35.	Bisections at II, VI, VII.
34.	Bisections at b_1, b_3, b_5, b_7.
40.	Bisections at b_1, b_3, b_5, b_7, b_9.

Notes.

17. Micrometer reading increased 2 rev.

18, 21. Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 7.9	+16 16.3	...	+16 24.2
11	+ 7.9	−16 16.2	...	−16 8.3
13	+44 36.7	+16 13.6	...	+60 50.3
22	+ 0.1	.. ....	...	+ 0.1
42	+ 5.4	.. ....	0.0	+ 5.4
44	+ 7.9	−16 16.3	...	−16 8.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, S.	9	34 26.01	− 0.19	− 0.93	297 31 49.95	47.640	−11.58	−1 52.2	18 34 24.89	−71.21	−23 30 17.4	....
2	6 B. Ursæ Minoris s. p.	9	14 13.28	+17.74	− 0.90	52 47 54.02	45.213	−11.82	+1 17.7	12 14 30.12	.....	+88 11 58.9	....
3	Moon I, S.	9	22 47.84	− 0.29	− 0.89	316 59 54.62	45.326	−11.85	− 54.9	0 22 46.66	+66.96	− 4 2 8.5	....
4	ε Andromedæ.	9	33 44.81	− 0.36	− 0.85	349 49 55.62	46.812	−11.88	− 10.5	0 33 43.56	.....	+28 49 10.8	....
5	ζ Andromedæ.	9	42 30.98	− 0.33	− 0.88	344 47 52.60	45.140	−11.91	− 16.0	0 42 29.76	.....	+23 46 24.2	....
6	δ Piscium.	9	43 57.84	− 0.28	− 0.91	328 7 53.10	43.310	−11.91	− 36.7	0 43 56.67	.....	+ 7 5 22.1	....
7	43 H. Cephei.	9	56 16.11	− 7.19	− 0.89	46 45 53.58	46.977	−11.95	+1 3.0	0 56 8.03	.....	+85 46 25.7	....
8	τ Piscium.	9	6 39.04	− 0.37	− 0.89	350 37 54.35	45.088	−11.98	− 9.7	1 6 37.78	− 2.41	+29 36 30.8	−21.8
9	ψ Cassiopeiæ.	9	19 30.85	− 1.18	− 0.89	28 39 54.38	45.975	−12.03	+ 32.4	1 19 28.78	− 3.48	+67 39 33.2	−30.6
10	α Ursæ Minoris.	8	27 2.02	−26.50	− 0.89	49 49 52.55	44.307	−12.05	+1 10.2	1 26 34.63	.....	+88 49 30.9	....
11	ζ Ceti.	9	46 58.76	− 0.29	− 0.88	310 15 54.00	43.228	−12.10	−1 9.8	1 46 57.58	.....	−10 47 12.1	....
12	ξ Piscium.	8	48 51.17	− 0.28	− 0.87	323 45 54.80	45.892	−12.10	− 43.3	1 48 50.00	.....	+ 2 44 15.8	....
13	μ Fornacis.	9	8 55.17	− 0.37	− 0.89	289 53 53.25	47.128	−12.18	−2 42.0	2 8 53.91	.....	−31 9 16.0	....
14	γ Ceti.	9	38 35.92	− 0.27	− 0.92	323 51 55.75	48.072	−12.25	− 43.2	2 38 34.76	.....	+ 2 51 6.9	....
15	μ Ceti.	9	40 2.11	− 0.28	− 0.93	330 45 54.75	44.250	−12.25	− 33.2	2 40 0.94	.....	+ 9 43 48.4	....
	December 29, L.												
16	Neptune C, C.	9	8 44.47	− 0.34	− 0.89	342 43 55.60	48.228	−12.47	− 18.5	7 8 43.24	.....	+21 43 34.5	....
	December 30, M.												
17	Venus I, C.	7	38 5.61	− 0.28	− 0.71	300 11 52.00	43.764	−12.42	−1 40.4	16 38 4.62	+ 0.36	−20 51 32.7	....
18	Venus II.	7	38 6.44	− 0.28	− 0.71	... .	......	.....	. ....	16 38 5.45	− 0.47	.. ..	....
	December 31, M.												
19	Sun I, N.	9	40 54.63	− 0.31	− 0.70	298 11 51.18	48.803	−12.34	−1 48.9	18 40 53.62	+71.08	−22 49 46.6	....
20	Sun II, S.	9	43 16.78	− 0.31	− 0.70	297 39 52.42	47.362	−12.34	−1 51.4	18 43 15.77	−71.07	−23 22 21.2	....
21	Mercury C, C.	9	2 14.80	− 0.31	− 0.70	296 19 51.05	47.905	−12.34	−1 58.1	19 2 13.79	0.00	−24 42 16.6	....
22	39 H. Cephei.	9	27 49.44	− 8.78	− 0.72	47 47 55.72	47.165	−11.98	+1 6.3	23 27 39.94	.....	+86 48 35.2	....
23	ι Ceti.	9	14 47.37	− 0.27	− 0.71	311 41 51.95	46.730	−11.98	−1 7.3	0 14 46.38	.....	− 9 19 51.5	....
24	44 Piscium.	9	20 44.12	− 0.26	− 0.72	322 27 53.40	45.507	−11.98	− 46.2	0 20 43.14	.....	+ 1 26 3.1	....
25	ε Andromedæ.	9	33 44.59	− 0.32	− 0.70	349 49 55.55	46.752	−11.98	− 10.7	0 33 43.55	.....	+28 49 9.1	....
26	ζ Andromedæ.	9	42 30.78	− 0.30	− 0.74	344 47 54.55	45.008	−11.98	− 16.3	0 42 29.76	.....	+23 46 22.8	....
27	δ Piscium.	9	43 57.64	− 0.26	− 0.76	328 7 54.30	43.232	−11.98	− 37.5	0 43 56.66	.....	+ 7 5 20.6	....
28	ε Piscium.	9	58 13.21	− 0.26	− 0.70	328 25 52.62	44.915	−11.98	− 37.0	0 58 12.23	.....	+ 7 23 57.9	....
29	44 H. Cephei.	9	4 25.13	− 2.42	− 0.72	40 11 53.18	45.465	−11.98	+ 51.2	1 4 21.99	− 4.09	+79 11 39.0	−32.6
30	α Ursæ Minoris.	9	26 57.28	−24.29	− 0.72	49 49 55.12	44.107	−11.98	+1 11.8	1 26 32.27	.....	+88 49 30.6	....
31	Moon I, S.	9	7 45.99	− 0.29	− 0.72	328 47 52.35	47.976	−12.06	− 36.6	2 7 44.98	+66.54	+ 7 47 7.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 18 34	30.13	44.4	45.9
0 7	30.152	44.8	45.9
0 26	......	....	45.0
0 48	......	....	44.2
1 13	30.142	43.0	44.0
1 37	......	....	43.1
2 3	30.146	42.0	42.5
2 11	......	....	42.2
2 42	30.145	41.0	42.0
7 7	30.11	38.9	38.3
30 16 38	29.81	43.0	42.1
31 18 41	29.795	42.3	41.2
19 8	29.80	42.2	40.2
23 22	29.90	35.4	33.0
0 17	29.94	33.9	32.2
0 38	......	....	31.2
1 8	......	....	30.6
1 33	29.98	31.2	29.8
2 8	29.99	30.8	29.0

Micrometer bisections are made at II, VI, except as noted below.

1, 12.	Bisections at VI, VII.
2, 30.	Bisections at b_4, b_5, b_6.
3, 31.	Bisections at II, III, IV, V, VI.
5, 14, 26.	Bisections at I, II.
7.	Bisections at b_1, b_3, b_5, b_7, b_9.
9, 29.	Bisections at III, V.
10.	Bisections at b_4, b_5, b_7.
13.	Bisections at II, VI, VII.
16, 17, 21.	Bisections at I, II, VI, VII.
19.	Bisections at I, II, III.
20.	Bisections at V, VI, VII.
22.	Bisections at III, IV, V.
24.	Bisections at I, II, VI.

Notes.

13. Faint.

23, 30. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.9	+16 16.3	...	+16 24.2
3	+40 3.4	+16 7.3	...	+56 10.7
16	+ 0.1	.. ....	...	+ 0.1
17	+ 5.4	.. ....	0.0	+ 5.4
19	+ 7.9	−16 17.3	...	−16 9.4
20	+ 7.9	+16 17.3	...	+16 25.2
21	+ 5.5	.. ....	0.0	+ 5.5
31	+29 51.8	+15 52.3	...	+45 44.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 1, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	6 B. Ursæ Minoris s. p.	9	14 14.33	+17.35	− 0.72	52 47 52.25	45.127	−10.76	+1 19.9	12 14 30.96	.....	+88 11 59.4	....
2	ε Andromedæ	9	33 44.46	− 0.23	− 0.68	349 49 50.12	46.990	−10.83	− 10.8	0 33 43.51	.....	+28 49 10.1	....
3	ζ Andromedæ	9	42 30.68	− 0.21	− 0.74	344 47 52.85	45.090	−10.87	− 16.4	0 42 29.76	.....	+23 46 24.0	....
4	δ Piscium	9	43 57.46	− 0.16	− 0.69	328 7 52.75	43.290	−10.87	− 37.7	0 43 56.59	.....	+ 7 5 21.3	....
5	43 H. Cephei	9	56 15.00	− 6.84	− 0.71	46 45 53.65	46.879	−10.92	+1 4.7	0 56 7.45	.....	+85 46 26.3	....
6	α Ursæ Minoris	6	27 1.48	−25.61	− 0.71	49 49 53.10	44.153	−11.04	+1 12.0	1 26 35.16	.....	+88 49 30.8	....
7	υ Persei	9	32 24.44	− 0.42	− 0.71	9 11 52.12	43.482	−11.06	+ 9.9	1 32 23.31	.....	+48 10 12.3	....
8	ν Piscium	9	36 41.85	− 0.16	− 0.71	326 3 51.05	44.110	−11.08	− 40.8	1 36 40.98	.....	+ 5 1 35.1	....
9	τ Ceti	9	39 50.72	− 0.18	− 0.69	304 37 54.60	44.052	−11.09	−1 27.6	1 39 49.83	.....	−16 25 9.5	....
10	ζ Ceti	9	46 58.39	− 0.16	− 0.67	310 15 53.48	43.260	−11.12	−1 11.5	1 46 57.52	.....	−10 47 12.6	....
11	ξ Piscium	9	48 50.85	− 0.16	− 0.69	323 45 51.18	46.030	−11.13	− 44.4	1 48 49.98	.....	+ 2 44 15.4	....
12	4 Ursæ Minoris s. p.	9	9 6.68	+ 2.93	− 0.71	62 59 50.98	48.030	−11.21	+1 59.2	14 9 8.90	.....	+77 58 15.4	....
13	Moon I, S.	9	0 48.98	− 0.19	− 0.71	334 3 53.45	47.608	−11.19	− 29.5	3 0 48.08	+67.22	+13 3 8.6	....
14	Neptune C, C.	9	8 22.50	− 0.26	− 0.69	342 45 51.45	44.751	−11.65	− 18.9	7 8 21.55	.....	+21 44 11.4	....
	January 1, L.												
15	α Crateris	9	55 21.03	− 0.18	− 0.79	303 13 53.18	45.751	−11.50	−1 33.7	10 55 20.15	.....	−17 48 38.5	....
16	χ Leonis	9	0 19.89	− 0.17	− 0.70	328 51 55.55	44.248	−11.50	− 37.2	11 0 19.02	.....	+ 7 49 45.9	....
17	δ Leonis	9	9 16.71	− 0.21	− 0.68	342 1 56.30	47.662	−11.50	− 19.9	11 9 15.80	.....	+21 1 21.9	....
18	ο Cephei s. p.	9	14 49.66	+ 1.88	− 0.70	73 19 58.38	47.438	−11.50	+3 24.6	23 14 50.84	.....	+67 36 56.0	....
19	τ Leonis	9	23 15.80	− 0.16	− 0.71	324 23 54.98	43.995	−11.50	− 44.1	11 23 14.94	.....	+ 3 21 32.6	....
20	39 H. Cephei s. p.	8	27 28.62	+10.65	− 0.70	54 11 57.62	43.330	−11.50	+1 25.5	23 27 38.57	.....	+86 48 30.2	....
21	41 H. Cephei s. p.	9	43 30.24	+ 1.85	− 0.69	73 39 57.30	43.962	−11.50	+3 28.6	23 43 31.40	.....	+67 18 12.5	....
22	Groombridge 4163 s. p.	9	50 19.71	+ 2.43	− 0.69	67 3 55.70	46.288	−11.50	+2 25.3	23 50 21.45	.....	+73 54 24.0	....
23	14 H¹. Draconis	9	0 41.58	− 2.22	− 0.69	38 25 56.32	42.862	−11.50	+ 49.0	12 0 38.67	− 0.23	+77 24 41.0	+13.3
24	γ Corvi	9	11 7.53	− 0.16	− 0.72	303 59 54.88	47.292	−11.50	−1 31.1	12 11 6.68	.....	−17 1 59.0	....
25	6 B. Ursæ Minoris	6	14 51.37	−17.65	− 0.69	49 11 57.65	45.433	−11.50	+1 11.6	12 14 33.03	.....	+88 12 3.8	....
26	319 B. Cephei s. p.	9	31 45.73	+ 4.42	− 0.69	58 59 56.92	44.762	−11.50	+1 42.8	0 31 49.46	+ 2.05	+81 59 40.8	−13.5
27	21 Cassiopeiæ s. p.	9	39 34.11	+ 2.47	− 0.69	66 29 58.02	43.132	−11.50	+2 21.7	0 39 35.89	.....	+74 29 37.9	....
28	p Centauri	9	45 44.56	− 0.22	− 0.69	287 33 52.78	46.782	−11.50	−3 12.4	12 45 43.65	+ 1.10	−33 29 54.0	−16.3
29	ψ Virginis	9	49 36.90	− 0.14	− 0.69	311 59 54.60	44.900	−11.50	−1 8.4	12 49 36.07	+ 1.07	− 9 2 31.3	− 7.9
30	43 H. Cephei s. p.	9	55 58.89	+ 7.95	− 0.69	55 13 56.28	43.570	−11.50	+1 29.0	0 56 6.15	.....	+85 46 22.2	....
31	44 H. Cephei s. p.	9	4 19.07	+ 3.35	− 0.69	61 47 55.00	44.575	−11.50	+1 55.2	1 4 21.73	+ 1.07	+79 11 34.6	−13.4
32	20 Canum Venaticorum	9	13 27.78	− 0.34	− 0.69	2 3 55.10	45.712	−11.50	+ 2.3	13 13 26.75	.....	+41 2 58.3	....
33	α Virginis	9	20 23.44	− 0.14	− 0.69	310 21 52.80	43.868	−11.50	−1 12.6	13 20 22.61	.....	−10 41 0.9	....
34	α Ursæ Minoris s. p.	7	26 3.90	+27.39	− 0.69	52 9 55.85	46.427	−11.50	+1 19.7	1 26 30.60	.....	+88 49 26.7	....
35	Venus I, C.	7	48 36.76	− 0.13	− 0.70	299 45 52.05	49.014	−11.16	−1 46.1	16 48 35.93	+ 0.39	−21 15 37.1	....
36	Venus II.	7	48 37.66	− 0.13	− 0.70	... .	......	.....	. ....	16 48 36.83	− 0.51	.. ..	....
	January 2, L.												
37	Sun I, N.	9	49 44.53	− 0.14	− 0.70	298 21 52.08	48.357	−10.88	−1 50.9	18 49 43.69	+71.13	−22 39 56.5	....
38	Sun II, S.	9	52 6.80	− 0.14	− 0.70	297 49 51.85	46.943	−10.88	−1 53.4	18 52 5.96	−71.14	−23 12 31.9	....
39	Mercury C, C.	9	16 32.81	− 0.14	− 0.70	296 39 50.52	46.310	−10.88	−1 59.1	19 16 31.97	0.00	−24 22 53.2	....
40	43 H. Cephei	9	56 14.39	− 7.53	− 0.70	46 45 57.32	46.735	−10.85	+1 4.2	0 56 6.16	.....	+85 46 26.2	....
41	α Ursæ Minoris	7	26 59.10	−28.06	− 0.70	49 49 56.35	44.045	−10.94	+1 11.4	1 26 30.34	.....	+88 49 31.1	....
42	υ Persei	9	32 24.46	− 0.49	− 0.70	9 11 55.45	43.350	−10.96	+ 9.8	1 32 23.27	.....	+48 10 12.6	....
43	τ Ceti	9	39 50.76	− 0.16	− 0.77	304 37 54.50	44.028	−10.98	−1 27.0	1 39 49.90	.....	−16 25 9.4	....
44	ζ Ceti	9	46 58.38	− 0.16	− 0.67	310 15 54.75	43.158	−11.01	−1 11.0	1 46 57.52	.....	−10 47 13.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 0 8	30.058	31.5	30.8
0 32	......	....	30.0
0 51	......	....	29.8
1 6	30.060	30.6	29.8
1 39	......	....	30.0
1 53	......	....	30.0
2 11	30.070	29.8	30.0
3 3	30.090	29.0	29.0
7 6	30.110	28.0	28.0
10 54	30.125	24.9	24.0
11 16	......	....	24.0
11 34	......	....	24.0
11 48	......	....	24.0
12 6	......	....	23.8
12 19	30.14	24.4	23.4
12 42	......	....	23.3
13 9	......	....	23.1
13 34	30.165	24.0	23.0
16 49	[illegible]	30.4	[illegible]
2 18 52	30.19	35.7	35.5
19 17	30.18	35.8	35.8
0 53	30.14	35.5	35.0
1 18	......	....	34.9
1 38	......	....	34.7

Micrometer bisections are made at II, VI, except as noted below.

1, 6, 25, 41.	Bisections at b_4, b_5, b_6.
3.	Bisections at I, II.
5.	Bisections at b_1, b_3, b_5, b_7, b_9.
12, 26, 30, 31, 40.	Bisections at III, IV, V.
13.	Bisections at II, III, IV, V, VI.
14, 15, 18, 21, 22, 28, 35, 39.	Bisections at I, II, VI, VII.
20, 34.	Bisections at b_3, b_5, b_7.
23.	Bisections at III, V.
27.	Bisections at II, III, V, VI.
37.	Bisections at I, II, III.
38.	Bisections at V, VI, VII.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+24 57.2	+15 44.3	...	+40 41.5
14	+ 0.1	.. ....	...	+ 0.1
35	+ 5.4	.. ....	0.0	+ 5.4
37	+ 7.8	−16 17.7	...	−16 9.9
38	+ 7.9	+16 17.6	...	+16 25.5
39	+ 5.5	.. ....	0.0	+ 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ξ Piscium	9	48 50.85	− 0.16	− **0.70**	323 45 54.95	45.830	−11.01	− 44.1	1 48 49.99	.....	+ 2 44 15.0	....
2	4 Ursæ Minoris s. p.	9	9 6.77	+ 3.16	− 0.70	62 59 56.38	47.844	−11.08	+1 58.3	14 9 9.23	.....	+77 58 14.7	....
3	ν Arietis	9	33 39.24	− 0.22	− **0.65**	342 35 56.58	44.398	−11.15	− 18.9	2 33 38.32	.....	+21 34 9.0	....
4	γ Ceti	9	38 35.60	− 0.16	− **0.75**	323 51 55.40	48.040	−11.17	− 43.9	2 38 34.74	.....	+ 2 51 6.2	....
5	μ Ceti	9	40 1.77	− 0.18	− **0.71**	330 45 54.55	44.195	−11.16	− 33.7	2 40 0.89	.....	+ 9 43 47.5	....
6	ε Arietis (*mean*)	9	54 0.91	− 0.22	− **0.68**	341 59 56.08	45.755	−11.22	− 19.6	2 54 0.00	.....	+20 58 38.7	....
7	1 H¹. Camelopardalis	9	12 0.20	− 1.02	− 0.69	26 19 58.10	45.540	−11.26	+ 30.0	3 11 58.49	− 0.22	+65 19 25.1	−10.0
8	δ Eridani	9	38 54.16	− 0.16	− **0.64**	310 57 53.60	45.438	−11.35	−1 9.5	3 38 53.31	.....	−10 4 21.0	....
9	Moon I, S	9	55 16.42	− 0.23	− 0.69	338 31 55.95	46.906	−11.40	− 23.7	3 55 15.50	+68.19	+17 31 0.6	....
	January 3, P.												
10	ν Eridani	9	31 47.29	− 0.24	− **0.60**	317 29 53.72	44.745	−10.46	− 54.0	4 31 46.51	.....	− 3 32 20.3	....
11	258 G. Eridani	9	36 21.07	− 0.28	− 0.54	296 23 52.40	43.942	−10.46	−1 58.2	4 36 20.25	− 0.46	−24 39 44.0	+ 8.3
12	π⁴ Orionis	9	46 22.50	− 0.25	− 0.54	326 27 53.45	47.585	−10.46	− 39.0	4 46 21.71	− 0.15	+ 5 26 59.3	+ 2.6
13	Moon I, S	9	51 21.54	− 0.31	− 0.54	341 55 53.15	48.326	−10.46	− 19.2	4 51 20.69	+69.11	+20 55 35.7	....
14	ι Tauri	9	57 40.31	− 0.30	− **0.52**	342 27 53.90	48.530	−10.46	− 18.6	4 57 39.47	.....	+21 27 41.7	....
15	β Eridani	9	3 23.62	− 0.24	− **0.53**	315 49 55.00	45.060	−10.46	− 57.2	5 3 22.84	.....	− 5 12 15.0	....
16	β Tauri	9	20 33.38	− 0.34	− **0.50**	349 33 53.85	43.600	−10.46	− 10.8	5 20 32.51	.....	+28 31 56.8	....
17	α Leporis	9	28 44.27	− 0.26	− **0.50**	303 9 53.25	43.915	−10.46	−1 30.0	5 28 43.48	.....	−17 53 15.7	....
18	θ² Orionis	9	30 55.89	− 0.24	− 0.53	315 33 54.15	44.365	−10.46	− 57.7	5 30 55.12	− 0.34	− 5 28 32.5	+ 3.0
19	23 Camelopardalis	9	35 48.62	− 0.87	− 0.53	22 25 53.42	47.592	−10.46	+ 24.5	5 35 47.22	− 0.93	+61 26 2.9	− 4.4
20	35 Draconis s. p.	9	53 24.18	+ 2.70	− 0.53	63 59 52.92	47.472	−10.46	+2 1.0	17 53 26.35	.....	+76 58 23.7	....
21	ν Orionis	9	2 23.64	− 0.27	− **0.48**	335 47 54.35	46.595	−10.46	− 26.5	6 2 22.84	.....	+14 46 50.0	....
22	40 Draconis s. p.	9	6 42.26	+ 3.42	− 0.53	60 59 54.45	45.762	−10.46	+1 46.6	18 6 45.15	+ 6.24	+79 59 15.6	+ 4.5
23	β Canis Majoris	9	18 42.97	− 0.26	− **0.59**	303 7 53.00	45.600	−10.46	−1 30.1	6 18 42.18	.....	−17 54 37.6	....
24	10 Monocerotis	9	23 29.18	− 0.24	− **0.52**	316 19 54.95	44.890	−10.46	− 56.3	6 23 28.41	.....	− 4 42 18.1	....
25	γ Canis Majoris	9	59 39.87	− 0.25	− **0.56**	305 31 55.00	47.178	−10.46	−1 22.4	6 59 39.09	.....	−15 29 51.8	....
26	Neptune C, C	9	8 8.13	− 0.30	− 0.53	342 45 54.05	45.660	−10.46	− 18.3	7 8 7.30	.....	+21 44 36.5	....
	January 4, M.												
27	Sun S	.	.. ..	.....	....	298 1 53.05	45.732	−10.48	−1 48.3	18 59	.....	−23 0 52.4	....
28	Sun N	.	.. ..	.....	....	298 33 52.92	47.110	−10.48	−1 45.8	.. ..	.....	−22 28 19.1	....
	January 5, L.												
29	ο Virginis	9	0 34.68	− 0.32	− **0.52**	330 15 52.12	45.638	− 8.61	− 32.4	12 0 33.88	.....	+ 9 14 21.9	....
30	1 Canum Venaticorum	9	10 13.68	− 0.71	− 0.47	14 57 54.25	43.330	− 8.66	+ 15.3	12 10 12.50	+ 0.44	+53 56 18.8	+11.2
31	6 B. Ursæ Minoris	5	14 50.68	−17.00	− 0.47	49 11 53.50	45.758	− 8.69	+1 6.1	12 14 33.21	.....	+88 12 4.2	....
32	δ Corvi	9	25 9.21	− 0.32	− **0.39**	305 1 51.88	46.030	− 8.75	−1 20.9	12 25 8.42	.....	−16 0 18.1	....
33	24 Comæ Berenices	9	30 34.03	− 0.35	− 0.47	339 53 52.90	45.935	− 8.79	− 20.8	12 30 33.21	.....	+18 52 40.9	....
34	γ Virginis (*pr.*)	5	37 2.63	− 0.31	− 0.47	320 5 52.88	43.050	− 8.82	− 47.6	12 37 1.85	.....	− 0 56 51.7	....
35	γ Virginis (*fol.*)	4	37 2.94	− 0.31	− 0.47	320 5 52.88	42.842	− 8.82	− 47.6	12 37 2.16	.....	− 0 56 56.8	....
36	35 Virginis	9	43 13.33	− 0.31	− **0.49**	325 5 53.35	45.598	− 8.85	− 39.7	12 43 12.55	.....	+ 4 4 14.7	....
37	δ Virginis	9	51 1.06	− 0.31	− **0.50**	324 55 52.05	43.952	− 8.90	− 40.0	12 51 0.28	.....	+ 3 53 35.6	....
38	43 H. Cephei s. p.	9	55 58.83	+ 7.51	− 0.47	55 13 53.80	43.883	− 8.93	+1 22.2	0 56 5.87	.....	+85 46 22.1	....
39	43 Comæ Berenices	9	7 37.61	− 0.40	− **0.44**	349 21 52.72	44.550	− 9.00	− 10.7	13 7 36.74	.....	+28 20 18.9	....
40	ζ¹ Ursæ Majoris	9	20 15.96	− 0.74	− 0.47	16 23 54.62	47.335	− 9.07	+ 16.9	13 20 14.75	.....	+55 23 51.9	....
41	α Ursæ Minoris s. p.	7	26 2.77	+26.53	− 0.47	52 9 53.15	46.718	− 9.11	+1 13.8	1 26 28.83	.....	+88 49 26.5	....
42	m Virginis	9	36 49.64	− 0.31	− **0.49**	312 47 50.85	44.708	− 9.17	−1 1.7	13 36 48.86	.....	− 8 14 30.4	....
43	Venus I, C	7	9 50.01	− 0.33	− 0.48	299 5 50.45	46.661	− 9.64	−1 42.1	17 9 49.20	+ 0.36	−21 56 27.0	....
44	Venus II	7	9 50.84	− 0.33	− 0.48	... .	......	.....	. ....	17 9 50.03	− 0.47	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 1 55	30.145	35.1	34.3
2 11	......	....	34.3
2 32	......	....	34.1
2 52	30.145	34.3	34.0
3 14	......	....	33.9
3 40	......	....	33.0
3 57	30.135	33.0	32.9
3 4 29	29.992	43.3	42.3
4 45	......	....	42.1
5 6	29.977	43.5	42.1
5 26	......	....	42.0
5 46	29.974	43.1	41.9
6 0	......	....	41.2
6 25	29.960	43.0	41.2
6 58	......	....	41.0
7 10	29.944	42.0	41.0
4 19 1	29.896	48.5	49.2
5 12 1	29.39	51.1	50.0
12 26	......	....	49.7
13 2	29.43	50.1	49.0
13 38	29.455	49.3	48.0
17 11	29.555	50.1	50.7

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at II, III, V, VI.
4, 27, 30, 34, 37, 40.	Bisections at I, II.
8, 26, 43.	Bisections at I, II, VI, VII.
9, 13.	Bisections at II, III, IV, V, VI.
11.	Bisections at I, II, VI.
18.	Bisection at VI.
19.	Bisections at III, V.
20, 22.	Bisections at III, IV, V.
28, 32, 35.	Bisections at VI, VII.
31, 38.	Bisections at b_3, b_5, b_7.
41.	Bisections at b_4, b_5, b_6.

Notes.

11.	Light clouds.
13.	Micrometer reading increased 1 rev.
22.	Clouds; unsteady.
29–42.	Through thick clouds of haze.
32.	Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+20 39.5	+15 36.2	...	+36 15.7
13	+17 18.1	+15 28.0	...	+32 46.1
26	+ 0.1	.. ....	...	+ 0.1
27	+ 7.9	+16 16.6	...	+16 24.5
28	+ 7.8	−16 16.6	...	−16 8.8
43	+ 5.3	.. ....	0.0	+ 5.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 6, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	5	7 20.22	− 0.34	− 0.48	298 15 49.62	44.253	− 9.17	−1 45.2	19 7 19.40	+70.76	−22 47 25.3	....
2	Sun II, N.	9	9 41.74	− 0.34	− 0.48	298 47 49.22	45.597	− 9.17	−1 42.8	19 9 40.92	−70.76	−22 14 53.0	....
3	Mercury C, C.	9	45 4.93	− 0.34	− 0.48	297 37 48.88	44.684	− 9.17	−1 48.2	19 45 4.11	0.00	−23 25 19.4	....
4	43 H. Cephei	9	56 12.78	− 7.27	− 0.48	46 45 55.65	46.762	− 9.60	+1 2.8	0 56 5.03	.....	+85 46 25.3	....
5	θ Ceti	9	19 28.44	− 0.25	− **0.51**	312 23 51.25	42.718	− 9.60	−1 4.5	1 19 27.71	.....	− 8 39 18.5	....
6	α Ursæ Minoris	7	26 53.46	−26.72	− 0.48	49 49 54.02	44.135	− 9.60	+1 10.0	1 26 26.26	.....	+88 49 30.7	....
7	ν Piscium	9	36 41.62	− 0.25	− **0.45**	326 3 51.18	43.956	− 9.60	− 39.7	1 36 40.89	.....	+ 5 1 34.3	....
8	τ Ceti	9	39 50.54	− 0.24	− **0.52**	304 37 51.20	44.040	− 9.60	−1 25.2	1 39 49.82	.....	−16 25 9.2	....
9	α Trianguli	9	47 53.50	− 0.34	− **0.44**	350 9 53.72	44.320	− 9.60	− 10.2	1 47 52.68	.....	+29 8 14.7	....
10	β Arietis	9	49 36.68	− 0.29	− **0.49**	341 23 52.20	43.752	− 9.60	− 19.9	1 49 35.91	.....	+20 21 50.4	....
11	α Arietis	9	2 2.55	− 0.29	− **0.46**	344 3 53.05	44.012	− 9.60	− 16.9	2 2 1.78	.....	+23 2 0.1	....
12	ξ^1 Ceti	9	8 10.65	− 0.24	− **0.49**	329 25 51.32	47.959	− 9.60	− 34.9	2 8 9.93	.....	+ 8 25 10.7	....
	January 6, M.												
13	Neptune C, C.	9	7 46.03	− 0.30	− 0.34	342 45 52.08	47.329	− 9.61	− 18.8	7 7 45.39	.....	+21 45 13.0	....
14	Moon N.	.	.. ..	.....	....	344 47 51.72	48.402	− 9.61	− 16.5	.. ..	.....	+23 47 38.8	....
15	Moon II, S.	9	45 23.86	− 0.31	− 0.34	344 17 53.40	46.808	− 9.61	− 17.0	7 45 23.21	−68.44	+23 17 5.0	....
	January 12, L.												
16	α Crateris	9	55 20.46	− 0.15	+ **0.07**	303 13 53.28	45.502	− 9.14	−1 33.9	10 55 20.45	.....	−17 48 42.0	....
17	χ Leonis	9	0 19.35	− 0.18	+ **0.19**	328 51 54.72	44.102	− 9.15	− 37.2	11 0 19.31	.....	+ 7 49 44.1	....
18	δ Leonis	9	9 16.23	− 0.24	+ **0.19**	342 1 55.35	47.515	− 9.18	− 20.0	11 9 16.13	.....	+21 1 19.8	....
19	δ Crateris	9	14 47.33	− 0.14	+ **0.10**	306 45 52.95	44.128	− 9.19	−1 22.5	11 14 47.34	.....	−14 17 2.4	....
20	τ Leonis	9	23 15.28	− 0.16	+ **0.16**	324 23 54.80	43.805	− 9.21	− 41.2	11 23 15.27	.....	+ 3 21 30.5	....
21	39 H. Cephei S. P.	9	27 22.78	+11.69	+ 0.15	54 11 55.50	43.340	− 9.23	+1 25.7	23 27 34.62	.....	+86 48 29.6	....
22	41 H. Cephei S. P.	7	43 28.50	+ 1.98	+ 0.15	73 39 53.62	44.003	− 9.27	+3 29.2	23 43 30.63	.....	+67 18 12.8	....
23	Groombridge 1830	9	47 44.32	− 0.38	+ 0.15	359 23 55.62	43.660	− 9.28	− 0.6	11 47 44.09	.....	+38 22 11.2	....
24	14 H¹. Draconis	9	0 42.03	− 2.51	+ 0.15	38 25 54.52	42.830	− 9.32	+ 49.1	12 0 39.67	− 1.51	+77 24 40.8	+13.4
25	δ Ursæ Majoris	9	10 56.21	− 0.77	+ 0.15	18 31 56.90	47.732	− 9.34	+ 20.8	12 10 55.59	.....	+57 32 6.9	....
26	6 B. Ursæ Minoris	6	14 58.97	−19.72	+ 0.15	49 11 56.05	45.357	− 9.36	+1 11.8	12 14 39.40	.....	+88 12 2.7	....
27	20 Comæ Berenices	9	25 8.61	− 0.22	+ 0.15	342 25 55.40	43.925	− 9.38	− 19.5	12 25 8.54	.....	+21 23 58.2	....
28	*f* Virginis	9	32 5.47	− 0.13	+ 0.15	315 41 54.38	46.595	− 9.39	−1 0.3	12 32 5.49	.....	− 5 19 42.6	....
29	Moon II, S.	9	38 23.80	− 0.14	+ 0.15	321 45 54.62	42.889	− 9.42	− 48.7	12 38 23.81	−61.21	+ 0 43 4.5	....
30	*p* Centauri	9	45 44.07	− 0.16	+ 0.15	287 33 53.95	46.536	− 9.44	−3 13.0	12 45 44.06	+ 0.70	−33 29 57.0	−13.9
31	δ Virginis	9	51 0.45	− 0.14	+ **0.17**	324 55 54.82	43.922	− 9.46	− 43.4	12 51 0.46	.....	+ 3 53 33.7	....
32	43 H. Cephei S. P.	9	55 54.11	+ 8.94	+ 0.15	55 13 52.58	43.628	− 9.47	+1 29.3	0 56 3.20	.....	+85 46 22.6	....
33	Groombridge 2006	7	3 39.66	−19.00	+ 0.15	49 7 54.75	45.497	− 9.49	+1 11.7	13 3 20.81	− 7.39	+88 8 4.5	+14.9
34	61 Virginis	9	13 37.62	− 0.12	+ 0.15	303 13 53.02	46.935	− 9.52	−1 34.2	13 13 37.65	.....	−17 48 10.2	....
35	ζ^1 Ursæ Majoris	9	20 15.78	− 0.69	+ 0.15	16 23 55.42	47.125	− 9.54	+ 18.4	13 20 15.24	.....	+55 23 48.9	....
36	α Ursæ Minoris S. P.	7	25 48.39	+31.16	+ 0.15	52 7 55.52	46.262	− 9.55	+1 19.9	1 26 19.70	.....	+88 51 28.8	....
37	*m* Virginis	9	36 49.03	− 0.11	+ **0.15**	312 47 53.88	44.730	− 9.58	−1 6.9	13 36 49.07	.....	− 8 14 32.5	....
	January 17, M.												
38	*d* Leonis	9	55 51.16	− 0.07	+ **0.67**	325 7 53.90	46.132	− 9.76	− 41.9	10 55 51.80	.....	+ 4 6 24.4	....
39	χ Leonis	9	0 18.85	− 0.08	+ **0.72**	328 51 53.82	44.032	− 9.76	− 36.4	11 0 19.48	.....	+ 7 49 41.8	....
40	δ Leonis	9	9 15.74	− 0.16	+ **0.75**	342 1 54.55	47.510	− 9.76	− 19.5	11 9 16.29	.....	+21 1 18.8	....
41	δ Crateris	9	14 46.79	− 0.03	+ **0.67**	306 45 50.10	44.142	− 9.76	−1 20.6	11 14 47.47	.....	−14 17 3.6	....
42	λ Draconis	9	26 2.95	− 1.52	+ 0.71	30 51 56.22	41.190	− 9.76	+ 36.2	11 26 2.14	.....	+69 49 51.7	....
43	υ Leonis	9	32 16.68	− 0.06	+ **0.65**	320 43 54.02	42.165	− 9.76	− 49.3	11 32 17.33	.....	− 0 19 13.6	....
44	41 H. Cephei S. P.	9	43 27.30	+ 2.24	+ 0.71	73 39 53.02	44.327	− 9.76	+3 24.6	23 43 30.25	.....	+67 18 11.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 19 10	29.57	53.8	53.6
19 45	29.57	53.3	52.2
[illegible] 53	29.73	41.9	38.4
1 18	......	....	38.0
1 35	......	....	37.7
1 41	......	....	37.7
1 52	......	....	37.1
[illegible] 7	29.755	37.4	36.0
7 8	29.95	31.4	28.4
7 46	29.97	30.2	27.2
12 10 54	30.27	27.2	25.2
11 4	......	....	25.1
11 16	......	....	25.0
11 32	......	....	24.8
11 49	30.275	26.7	24.7
12 2	......	....	24.6
12 26	......	....	24.3
12 39	......	....	24.0
12 47	......	....	24.0
13 9	30.285	25.3	23.7
13 37	30.29	25.0	23.1
17 10 53	29.955	31.7	31.7
11 12	......	....	31.2
11 36	......	....	30.7

Micrometer bisections are made at II, VI, except as noted below.

1, 14.	Bisections at I, II, III.
2, 15.	Bisections at V, VI, VII.
3, 7, 8, 11, 12, 13, 16, 19, 30.	Bisections at I, II, VI, VII.
4, 21, 26, 32.	Bisections at b_3, b_5, b_7.
5, 9, 20, 25, 31, 35.	Bisections at I, II.
6, 33.	Bisections at b_4, b_5, b_6.
22.	Bisections at IV, V, VI.
24, 42.	Bisections at III, V.
29.	Bisections at II, III, IV, V, VI.
36.	Bisections at b_4, b_6.
44.	Bisections at II, IV, VI.

Notes.

4.	Woolly.
8, 22.	Unsteady; diffuse.
23, 28, 34, 37.	Through thin clouds.
30.	Very diffuse.
37.	Faint.
38–44.	Conditions rather poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.9	+16 16.1	...	+16 24.0
2	+ 7.8	−16 16.1	...	−16 8.3
3	+ 5.7	.. ..	0.0	+ 5.7
13	+ 0.1	.. ..	...	+ 0.1
14	+14 12.6	−15 2.8	...	− 50.2
15	+14 41.0	+15 2.8	−0.2	+29 43.6
29	+33 25.9	+14 50.3	...	+48 16.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Groombridge 1830	9	47 43.93	− 0.33	+ 0.71	359 23 55.48	43.658	− 9.76	− 0.6	11 45 44.31	.....	+38 22 10.7	....
2	Groombridge 4163 s. P.	9	50 16.33	+ 2.96	+ 0.71	67 3 52.72	46.582	− 9.76	+2 22.7	23 50 20.00	.....	+73 54 21.8	....
3	π Virginis	9	56 11.79	− 0.08	+ **0.67**	328 9 53.92	43.110	− 9.76	− 37.5	11 56 12.42	.....	+ 7 7 19.7	....
4	318 B. Cephei s. P.	9	10 55.49	+ 3.42	+ 0.71	64 31 55.85	45.815	− 9.76	+2 6.9	0 10 59.62	+ 3.32	+76 26 51.7	−11.6
5	5 B. Ursæ Minoris	8	14 33.28	−12.55	+ 0.71	47 55 53.20	46.383	− 9.76	+1 7.2	12 14 21.44	− 9.86	+86 56 18.4	+13.4
6	323 G. Hydræ	9	22 2.82	− 0.05	+ 0.71	288 43 54.55	47.442	− 9.76	−2 56.2	12 22 3.48	+ 0.33	−32 19 19.0	−12.3
7	δ Corvi	9	25 8.16	− 0.03	+ **0.76**	305 1 55.35	45.952	− 9.76	−1 26.0	12 25 8.84	.....	−16 0 22.4	....
8	*f* Virginis	9	32 4.94	− 0.04	+ 0.71	315 41 55.15	46.450	− 9.76	− 59.0	12 32 5.61	.....	− 5 19 44.2	....
9	γ Virginis (*pr.*)	5	37 1.61	− 0.05	+ 0.71	320 5 55.25	42.998	− 9.76	− 50.6	12 37 2.27	.....	− 0 56 54.4	....
10	γ Virginis (*fol.*)	5	37 1.86	− 0.05	+ 0.71	320 5 55.25	42.735	− 9.76	− 50.6	12 37 2.52	.....	− 0 57 0.8	....
11	35 Virginis	9	43 12.23	− 0.07	+ **0.76**	325 5 54.55	45.545	− 9.76	− 42.2	12 43 12.88	.....	+ 4 4 11.5	....
12	*p* Centauri	9	45 43.54	− 0.05	+ 0.72	287 33 55.48	46.305	− 9.76	−3 8.9	12 45 44.21	+ 0.51	−33 29 57.0	−12.9
13	ε Ursæ Majoris	9	50 1.66	− 0.74	+ 0.72	17 27 55.88	45.042	− 9.76	+ 19.2	12 50 1.64	.....	+56 27 2.3	....
14	43 H. Cephei s. P.	9	55 51.67	+ 9.91	+ 0.72	55 13 53.55	43.738	− 9.76	+1 27.4	0 56 2.30	.....	+85 46 21.3	....
15	Groombridge 2006	6	3 44.23	−20.91	+ 0.72	49 7 53.82	45.685	− 9.76	+1 10.2	13 3 24.04	−10.61	+88 8 6.1	+14.8
16	43 Comæ Berenices	9	7 36.66	− 0.22	+ **0.76**	349 21 57.45	44.260	− 9.76	− 11.3	13 7 37.16	.....	+28 20 15.6	....
17	61 Virginis	9	13 37.18	− 0.03	+ 0.72	303 13 53.90	46.798	− 9.76	−1 32.3	13 13 37.87	.....	−17 48 10.8	....
18	ζ¹ Ursæ Majoris	9	20 15.38	− 0.70	+ 0.72	16 23 55.85	47.180	− 9.76	+ 18.0	13 20 15.40	.....	+55 23 50.0	....
19	α Ursæ Minoris s. P.	6	25 40.45	+34.42	+ 0.72	52 9 54.88	46.453	− 9.76	+1 18.3	1 26 15.59	.....	+88 49 27.0	....
20	Moon II	9	47 0.63	− 0.08	+ 0.75	299 2	......	....	. ....	16 47 1.30	−70.54	.. ..	....
21	Venus I, C.	9	14 28.20	− 0.08	+ 0.76	298 7 52.05	43.470	− 9.96	−1 53.0	18 14 28.88	+ 0.34	−22 55 49.5	....
22	Venus II	9	14 28.95	− 0.08	+ 0.76	... .	......	....	. ....	18 14 29.63	− 0.41	.. ..	....
	January 18, M.												
23	Sun I, S.	9	59 15.46	− 0.07	+ 0.76	300 11 56.32	46.118	− 9.19	−1 43.5	19 59 16.15	+69.75	−20 50 34.1	....
24	Sun II, N.	9	1 34.95	− 0.07	+ 0.76	300 43 54.80	47.493	− 9.19	−1 41.3	20 1 35.64	−69.74	−20 18 2.7	....
25	43 H. Cephei	9	56 10.67	− 8.99	+ 0.80	46 45 56.45	46.702	− 9.36	+1 4.7	0 56 2.48	.....	+85 46 26.5	....
26	α Ursæ Minoris	7	26 46.76	−33.57	+ 0.80	49 49 56.25	43.990	− 9.36	+1 12.2	1 26 13.99	.....	+88 49 32.1	....
27	α Trianguli	9	47 51.99	− 0.24	+ **0.80**	350 9 53.75	44.295	− 9.36	− 10.5	1 47 52.55	.....	+29 8 14.1	....
28	ξ Piscium	4	48 49.09	− 0.08	+ **0.79**	323 45 55.58	45.675	− 9.36	− 44.6	1 48 49.81	.....	+ 2 44 13.1	....
29	ν Arietis	9	33 37.57	− 0.18	+ **0.80**	342 35 58.22	44.215	− 9.36	− 19.1	2 33 38.20	.....	+21 34 8.0	....
30	γ Ceti	9	38 33.86	− 0.09	+ **0.75**	323 51 55.82	47.912	− 9.36	− 44.5	2 38 34.58	.....	+ 2 51 4.9	....
31	μ Ceti	9	40 0.04	− 0.12	+ **0.79**	330 45 56.18	44.012	− 9.36	− 34.2	2 40 0.73	.....	+ 9 43 46.3	....
32	ε Arietis (*mean*)	9	53 59.18	− 0.18	+ **0.85**	341 59 56.98	45.612	− 9.36	− 19.8	2 53 59.81	.....	+20 58 38.0	....
33	57 B. Ursæ Minoris s. P.	9	5 55.17	+16.98	+ 0.81	53 25 53.25	43.013	− 9.36	+1 22.6	15 6 12.96	.....	+87 34 42.6	....
34	Neptune C, C.	9	6 18.94	− 0.22	+ 0.82	342 47 59.50	48.308	− 9.50	− 19.2	7 6 19.54	.....	+21 47 42.6	....
	January 18, P.												
35	*d* Leonis	9	55 51.12	− 0.09	+ **0.76**	325 8	......	....	. ....	10 55 51.77	.....	+ 4 6	....
36	χ Leonis	9	0 18.88	− 0.10	+ **0.74**	328 52	......	....	. ....	11 0 19.52	.....	+ 7 49	....
37	δ Leonis	9	9 15.76	− 0.18	+ **0.78**	342 2	......	....	. ....	11 9 16.32	.....	+21 1	....
38	δ Crateris	9	14 46.80	− 0.03	+ **0.68**	306 46	......	....	. ....	11 14 47.51	.....	−14 17	....
39	τ Leonis	9	23 14.78	− 0.08	+ **0.75**	324 24	......	....	. ....	11 23 15.44	.....	+ 3 21	....
40	39 H. Cephei s. P.	8	27 18.86	+13.58	+ 0.74	54 12	......	....	. ....	23 27 33.18	.....	+86 48	....
41	298 G. Hydræ	9	44 8.45	− 0.03	+ 0.74	294 48	......	....	. ....	11 44 9.16	+ 0.07	−26 14	....
42	γ Ursæ Majoris	9	49 3.25	− 0.70	+ 0.74	15 14	......	....	. ....	11 49 3.29	.....	+54 11	....
43	ο Virginis	9	0 33.59	− 0.09	+ **0.76**	330 16	......	....	. ....	12 0 34.24	.....	+ 9 14	....
44	δ Ursæ Majoris	9	10 55.97	− 0.82	+ 0.74	18 32	......	....	. ....	12 10 55.89	.....	+57 32	....
45	6 B. Ursæ Minoris	7	15 5.66	−22.76	+ 0.74	49 12	......	....	. ....	12 14 43.64	.....	+88 12	....
46	δ Corvi	9	25 8.16	− 0.02	+ **0.78**	305 2	......	....	. ....	12 25 8.88	.....	−16 0	....
47	γ Virginis (*pr.*)	5	37 1.63	− 0.04	+ 0.74	320 6	......	....	. ....	12 37 2.33	.....	− 0 57	....
48	γ Virginis (*fol.*)	5	37 1.97	− 0.04	+ 0.74	320 6	......	....	. ....	12 37 2.67	.....	− 0 57	....
49	*p* Centauri	9	45 43.52	− 0.02	+ 0.75	287 34	......	....	. ....	12 45 44.25	+ 0.47	−33 29	....
50	ψ Virginis	9	49 35.91	− 0.02	+ 0.75	312 0	......	....	. ....	12 49 36.64	+ 0.51	− 9 2	....
51	43 H. Cephei s. P.	8	55 51.20	+10.40	+ 0.75	55 14	......	....	. ....	0 56 2.35	.....	+85 46	....
52	α Ursæ Minoris s. P.	9	25 37.22	+36.10	+ 0.75	52 10	......	....	. ....	1 26 14.07	.....	+88 49	....
53	Venus I, C.	9	19 53.54	+ 0.03	+ 0.74	298 5 53.85	47.372	− 6.29	−1 55.8	18 19 54.31	+ 0.46	−22 56 17.7	....
54	Venus II	9	19 54.55	+ 0.03	+ 0.74	... .	......	....	. ....	18 19 55.32	− 0.55	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 11 58	29.965	30.7	30.1
12 30	......	....	29.7
13 11	29.97	29.2	28.4
13 30	29.99	29.0	28.7
18 14	30.13	32.1	31.1
18 20 2	30.116	33.0	32.3
0 50	30.15	31.8	31.2
1 20	......	....	30.2
1 52	30.16	30.3	29.4
2 31	......	....	28.4
2 53	......	....	27.9
3 10	30.135	28.4	27.3
7 6	30.20	21.8	20.7
18 18	30.127	21.0	20.0

Micrometer bisections are made at II, VI, except as noted below.

1, 6, 9, 11, 18, 23, 27, 30. Bisections at I, II.
2, 25. Bisections at III, IV, V.
4. Bisections at V, VI.
5, 14, 15, 19, 26, 33. Bisections at b_4, b_5, b_6.
10, 28. Bisections at VI, VII.
21, 34, 53. Bisections at I, II, VI, VII.
24. Bisections at V, VI, VII.

Notes.

1–19. Conditions rather poor.
33. Circle reading increased 2′.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
21	+ 5.2	.. ....	0.0	+ 5.2
23	+ 7.7	+16 15.6	...	+16 23.3
24	+ 7.6	−16 15.7	...	−16 8.1
34	+ 0.1	.. ....	...	+ 0.1
53	+ 5.2	.. ....	0.0	+ 5.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 19, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	3 30.90	+ 0.03	+ 0.75	300 23 53.95	47.178	− 7.55	−1 43.8	20 3 31.68	+69.78	−20 38 10.9	....
2	Sun II, N.	9	5 50.47	+ 0.03	+ 0.75	300 55 55.18	48.550	− 7.55	−1 41.6	20 5 51.25	−69.79	−20 5 36.9	....
3	Mercury C, C.	9	12 31.97	+ 0.03	+ 0.75	303 29 54.35	48.220	− 6.64	−1 31.4	21 12 32.75	+ 0.04	−17 31 33.8	....
4	α Ursæ Minoris.	9	26 47.28	−33.37	+ 0.75	49 49 54.28	44.053	− 7.66	+1 11.5	1 26 14.66	.....	+88 49 32.6	....
5	α Trianguli.	9	47 51.91	− 0.17	+ **0.80**	350 9 54.80	44.225	− 7.66	− 10.4	1 47 52.49	.....	+29 8 14.9	....
6	ν Arietis.	9	33 37.51	− 0.10	+ **0.76**	342 35 53.05	44.410	− 7.66	− 18.9	2 33 38.16	.....	+21 34 9.2	....
7	γ Ceti.	9	38 33.77	0.00	+ **0.74**	323 51 56.00	47.820	− 7.66	− 43.9	2 38 34.52	.....	+ 2 51 5.3	....
8	μ Ceti.	9	39 59.96	− 0.03	+ **0.77**	330 45 53.55	44.110	− 7.66	− 33.7	2 40 0.68	.....	+ 9 43 48.1	....
9	ε Arietis (*mean*).	8	53 59.21	− 0.10	+ **0.72**	341 59 53.95	45.720	− 7.66	− 19.5	2 53 59.86	.....	+20 58 39.4	....
10	57 B. Ursæ Minoris S. P.	9	5 55.00	+16.98	+ 0.75	53 23 56.00	48.120	− 7.66	+1 21.4	15 6 12.73	.....	+87 34 42.6	....
11	1 H. Ursæ Minoris S. P.	9	13 30.86	+ 2.32	+ 0.75	73 15 56.45	46.850	− 7.66	+3 19.4	15 13 33.93	.....	+67 41 13.2	....
12	ο Tauri.	9	19 53.89	− 0.03	+ **0.69**	329 43 52.88	46.078	− 7.66	− 35.2	3 19 54.61	.....	+ 8 42 30.9	....
13	δ Eridani.	9	38 52.40	+ 0.03	+ **0.78**	310 57 54.02	45.178	− 7.66	−1 9.4	3 38 53.18	.....	−10 4 22.7	....
	January 19, L.												
14	Venus I, C.	7	25 18.98	+ 0.02	+ 0.77	298 5 54.15	47.802	− 7.51	−1 51.1	18 25 19.77	+ 0.42	−22 56 4.1	....
15	Venus II.	7	25 19.91	+ 0.02	+ 0.77	... .	......	....	. ....	18 25 20.70	− 0.51	.. ..	....
	January 20, L.												
16	Sun I, N.	9	7 45.81	+ 0.03	+ 0.78	301 9 57.22	44.967	− 7.59	−1 37.6	20 7 46.62	+69.63	−19 52 52.1	....
17	Sun II, S.	9	10 5.07	+ 0.03	+ 0.78	300 37 56.12	43.727	− 7.59	−1 39.6	20 10 5.88	−69.63	−20 25 24.1	....
18	Mercury I, C.	9	18 24.84	+ 0.03	+ 0.78	304 5 55.58	47.071	− 6.69	−1 26.6	21 18 25.65	+ 0.20	−16 55 54.1	....
19	α Ursæ Minoris.	7	26 44.11	−33.35	+ 0.78	49 49 56.42	43.957	− 7.28	+1 10.6	1 26 11.54	.....	+88 49 32.0	....
20	α Trianguli.	9	47 51.93	− 0.21	+ **0.80**	350 9 58.65	43.990	− 7.28	− 10.3	1 47 52.51	.....	+29 8 14.1	....
21	ν Ceti.	9	31 4.53	− 0.06	+ **0.75**	326 13 54.98	44.095	− 7.28	− 39.8	2 31 5.26	.....	+ 5 11 43.5	....
22	γ Ceti.	9	38 33.82	− 0.05	+ **0.73**	323 51 56.42	47.785	− 7.28	− 43.5	2 38 34.56	.....	+ 2 51 5.7	....
23	μ Ceti.	9	40 0.04	− 0.08	+ **0.73**	330 45 57.55	43.855	− 7.28	− 33.4	2 40 0.75	.....	+ 9 43 46.9	....
24	ε Arietis (*mean*).	9	53 59.19	− 0.14	+ **0.77**	341 59 56.68	45.560	− 7.28	− 19.4	2 53 59.84	.....	+20 58 39.0	....
25	57 B. Ursæ Minoris S. P.	9	5 56.83	+16.92	+ 0.79	53 23 56.88	48.080	− 7.28	+1 20.6	15 6 14.54	.....	+87 34 43.1	....
26	1 H¹. Camelopardalis.	9	11 58.14	− 1.14	+ 0.79	26 19 59.35	45.418	− 7.28	+ 29.7	3 11 57.79	+ 0.35	+65 19 27.2	−12.4
27	ο Tauri.	9	19 53.85	− 0.07	+ **0.76**	329 43 56.48	45.915	− 7.28	− 34.8	3 19 54.57	.....	+ 8 42 31.5	....
28	δ Fornacis.	9	38 37.11	− 0.04	+ 0.79	288 49 54.88	45.559	− 7.48	−2 53.5	3 38 37.86	− 0.09	−32 13 56.9	+15.5
29	λ Tauri.	9	55 37.37	− 0.10	+ **0.81**	333 15 57.52	44.382	− 7.48	− 30.1	3 55 38.06	.....	+12 14 2.0	....
30	174 G. Eridani.	9	1 51.86	− 0.05	+ 0.79	293 9 56.30	43.281	− 7.48	−2 18.9	4 1 52.60	− 0.17	−27 54 13.0	+13.6
31	ο² Eridani.	9	11 4.19	− 0.04	+ **0.88**	313 13 54.92	46.555	− 7.48	−1 3.5	4 11 4.94	.....	− 7 47 44.1	....
32	19 Ursæ Minoris S. P.	9	13 17.71	+ 3.29	+ 0.79	64 51 57.28	47.562	− 7.48	+2 7.6	16 13 21.79	.....	+76 6 7.4	....
33	ν Eridani.	9	31 45.62	− 0.05	+ **0.78**	317 29 56.18	44.522	− 7.48	− 54.8	4 31 46.37	.....	− 3 32 20.8	....
34	35 B. Camelopardalis.	9	36 37.15	− 2.27	+ 0.80	36 45 56.78	48.535	− 7.48	+ 45.0	4 36 35.68	.....	+75 46 50.7	....
35	π¹ Orionis.	9	49 52.54	− 0.09	+ 0.80	331 1 58.00	45.490	− 7.48	− 33.2	4 49 53.25	− 0.08	+10 0 24.7	+ 2.5
36	β Eridani.	9	3 21.99	− 0.04	+ **0.85**	315 49 57.45	44.855	− 7.48	− 58.2	5 3 22.75	.....	− 5 12 15.3	....
37	α Leporis.	9	28 42.74	− 0.03	+ **0.75**	303 9 54.72	43.650	− 7.48	−1 31.6	5 28 43.51	.....	−17 53 18.7	....
38	θ² Orionis.	9	30 54.39	− 0.04	+ 0.80	315 33 56.60	44.090	− 7.48	− 58.8	5 30 55.15	− 0.32	− 5 28 34.2	+ 5.2
39	23 Camelopardalis.	9	35 47.28	− 0.90	+ 0.80	22 25 58.45	47.370	− 7.48	+ 24.9	5 35 47.18	− 0.86	+61 26 6.0	− 8.1
40	40 Draconis S. P.	9	6 40.58	+ 4.38	+ 0.80	60 59 58.82	45.516	− 7.48	+1 48.5	18 6 45.76	+ 5.72	+79 59 11.6	+10.4
41	γ Canis Majoris.	9	59 38.39	− 0.03	+ **0.80**	305 31 55.10	46.984	− 7.48	−1 24.0	6 59 39.16	.....	−15 29 54.7	....

Time.	Barom	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 20 6	30.065	26.6	26.0
21 13	30.013	29.0	29.0
1 20	29.920	32.0	31.0
1 46	......	....	30.9
1 55	29.920	31.5	30.8
2 31	29.930	31.0	30.8
2 52	......	....	30.7
3 16	......	....	30.6
3 40	29.916	31.0	30.1
18 24	30.06	36.4	37.8
20 20 10	30.05	39.8	41.2
21 19	30.03	41.5	43.7
1 25	30.05	39.3	39.2
1 49	......	....	38.7
2 29	30.065	37.4	37.9
2 41	......	....	37.7
3 17	......	....	36.9
3 37	30.065	35.6	36.4
3 56	......	....	36.4
4 3	......	....	35.2
4 16	30.06	35.1	35.0
4 39	......	....	35.3
4 52	......	....	35.2
5 4	30.06	34.1	35.1
5 32	......	....	34.8
6 9	30.06	33.6	34.4
7 0	......	....	33.9

Micrometer bisections are made at II, VI, except as noted below.

1, 7, 22, 31, 37.	Bisections at I, II.
2, 5.	Bisections at VI, VII.
3, 14, 18, 28, 30, 41.	Bisections at I, II, VI, VII.
4, 10, 19, 25.	Bisections at b_4, b_5, b_6.
11.	Bisections at III, IV, V.
16.	Bisections at I, II, III.
17.	Bisections at V, VI, VII.
32.	Bisections at II, IV, VI.
40.	Bisections at II, III, V, VI.

Note.
11. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.7	+16 17.0	...	+16 24.7
2	+ 7.6	−16 16.9	...	−16 9.3
3	+ 6.2	.. ....	+0.1	+ 6.3
14	+ 5.1	.. ....	0.0	+ 5.1
16	+ 7.6	−16 15.9	...	−16 8.3
17	+ 7.7	+16 16.0	...	+16 23.7
18	+ 6.3	.. ....	+0.1	+ 6.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Neptune C, C........	9	6 4.99	− 0.16	+ 0.80	342 49 57.55	44.062	− 7.48	− 18.6	7 6 5.63	.....	+21 48 6.2	....
	January 20, M.												
2	λ Draconis...............	5	26 2.92	− 1.48	+ 0.93	30 50 1.62	46.128	− 7.54	+ 36.3	11 26 2.37	.....	+69 49 51.6	....
3	δ Ursæ Majoris...........	9	10 55.82	− 0.76	+ 0.94	18 31 56.32	47.712	− 7.54	+ 20.4	12 10 56.00	.....	+57 32 7.2	....
4	5 B. Ursæ Minoris.......	8	14 34.59	−12.36	+ 0.94	47 55 57.75	46.077	− 7.54	+1 7.3	12 14 23.17	−11.07	+86 56 18.3	+13.2
5	15 Comæ Berenices.......	9	22 23.39	− 0.22	+ 0.94	349 47 56.30	44.452	− 7.54	− 10.9	12 22 24.11	+ 0.16	+28 46 21.7	+ 7.4
6	δ Corvi..................	9	25 8.06	− 0.04	+ **0.96**	305 1 56.82	45.705	− 7.54	−1 26.2	12 25 8.96	.....	−16 0 24.5	....
7	21 Cassiopeiæ s. p.	9	39 30.71	+ 3.02	+ 0.94	66 29 54.05	43.335	− 7.54	+2 19.2	0 39 34.67	.....	+74 29 36.0	....
8	35 Virginis..............	9	43 12.13	− 0.07	+ **0.96**	325 5 55.82	45.332	− 7.54	− 42.3	12 43 13.00	.....	+ 4 4 9.8	....
9	31 Comæ Berenices.......	9	47 15.01	− 0.21	+ **0.93**	349 3 56.88	43.638	− 7.54	− 11.7	12 47 15.74	.....	+28 2 2.7	....
10	12 Canum Venaticorum...	9	51 45.56	− 0.33	+ 0.94	359 49 57.45	44.118	− 7.54	− 0.1	12 51 46.17	.....	+38 48 25.8	....
11	43 H. Cephei s. p.	9	55 50.78	+ 9.78	+ 0.94	55 13 51.80	43.720	− 7.54	+1 27.5	0 56 1.50	.....	+85 46 21.2	....
12	Groombridge 2006.....	6	3 46.25	−20.59	+ 0.94	49 7 56.65	45.422	− 7.54	+1 10.3	13 3 26.60	−12.60	+88 8 5.2	+14.9
13	43 Comæ Berenices.......	9	7 36.51	− 0.21	+ **1.00**	349 21 57.72	44.102	− 7.54	− 11.4	13 7 37.24	.....	+28 20 14.3	....
14	γ Hydræ..................	9	13 56.83	− 0.04	+ 0.94	298 21 53.78	44.452	− 7.54	−1 51.9	13 13 57.73	.....	−22 41 21.9	....
15	i Virginis................	9	21 53.09	− 0.04	+ 0.94	308 47 52.58	46.560	− 7.54	−1 15.3	13 21 53.99	+ 0.60	−12 13 58.1	+ 5.3
16	α Ursæ Minoris s. p.	6	25 37.18	+33.93	+ 0.94	52 9 53.60	46.420	− 7.54	+1 18.3	1 26 12.05	.....	+88 49 26.8	....
17	κ Virginis................	9	8 0.57	− 0.04	+ **0.95**	311 11 55.75	43.555	− 7.54	−1 9.2	14 8 1.47	.....	− 9 50 57.5	....
18	ι Virginis................	9	11 12.62	− 0.05	+ **0.98**	315 27 56.00	45.762	− 7.54	− 59.6	14 11 13.51	.....	− 5 33 57.5	....
19	λ Virginis................	9	14 9.16	− 0.04	+ **0.92**	308 5 54.78	43.652	− 7.54	−1 17.2	14 14 10.06	.....	−12 57 4.5	....
20	57 B. Ursæ Minoris.......	9	6 29.17	−15.76	+ 0.95	48 33 53.10	47.460	− 7.54	+1 9.0	15 6 14.36	.....	+87 34 46.9	....
	January 21, M.												
21	43 H. Cephei..............	9	56 9.72	− 9.05	+ 0.99	46 45 58.95	46.567	− 7.17	+1 3.1	0 56 1.66	.....	+85 46 26.9	....
22	α Ursæ Minoris..........	9	26 43.72	−33.76	+ 1.00	49 49 53.92	44.112	− 7.17	+1 10.3	1 26 10.96	.....	+88 49 32.8	....
23	α Trianguli..............	9	47 51.72	− 0.24	+ **1.02**	350 9 55.42	44.125	− 7.17	− 10.2	1 47 52.48	.....	+29 8 14.4	....
24	ξ Piscium................	9	48 48.86	− 0.08	+ **0.99**	323 45 52.08	45.700	− 7.17	− 43.4	1 48 49.78	.....	+ 2 44 13.5	....
25	ν Arietis................	9	33 37.32	− 0.18	+ **1.01**	342 36	......	....	. ....	2 33 38.14	.....	+21 34	....
26	δ Ceti....................	9	34 47.52	− 0.07	+ **1.03**	320 57 51.60	45.520	− 7.17	− 48.2	2 34 48.45	.....	− 0 3 55.7	....
27	γ Ceti....................	9	38 33.61	− 0.08	+ **0.96**	323 51 52.32	47.898	− 7.17	− 43.4	2 38 34.53	.....	+ 2 51 4.2	....
28	σ Arietis................	9	46 26.58	− 0.13	+ **0.97**	335 43 52.45	45.505	− 7.17	− 26.8	2 46 27.45	.....	+14 42 26.2	....
29	ε Arietis (*mean*)..........	9	53 58.97	− 0.17	+ **1.01**	341 59 53.30	45.658	− 7.17	− 19.3	2 53 59.80	.....	+20 58 38.0	....
30	57 B. Ursæ Minoris s. p. ..	9	5 56.11	+17.09	+ 1.00	53 23 50.52	48.405	− 7.17	+1 20.5	15 6 14.20	.....	+87 34 42.0	....
31	Neptune C, C........	9	5 57.86	− 0.16	+ 1.01	342 49 54.90	44.708	− 7.67	− 18.5	7 5 58.71	.....	+21 48 18.2	....
	January 22, P.												
32	Sun I, N..............	9	16 13.23	+ 0.01	+ 0.95	301 35 51.82	46.892	− 6.68	−1 36.6	20 16 14.19	+69.35	−19 26 11.5	....
33	Sun II, S..............	9	18 31.93	+ 0.01	+ 0.95	301 3 52.82	45.672	− 6.68	−1 38.7	20 18 32.89	−69.35	−19 58 41.3	....
34	Mercury C, C.........	9	29 28.62	0.00	+ 0.96	305 19 52.78	44.015	− 6.54	−1 23.3	21 29 29.58	+ 0.05	−15 43 3.3	....
35	α Trianguli..............	9	47 51.73	− 0.26	+ **1.02**	350 9 51.08	44.285	− 6.79	− 10.2	1 47 52.43	.....	+29 8 14.1	....
36	ξ Piscium................	9	48 48.89	− 0.10	+ **0.97**	323 45 51.85	45.690	− 6.79	− 43.0	1 48 49.75	.....	+ 2 44 13.9	....
37	57 B. Ursæ Minoris s. p. ..	9	5 57.06	+16.99	+ 0.97	53 23 49.95	48.455	− 6.79	+1 19.6	15 6 15.02	.....	+87 34 42.0	....
38	ο Tauri..................	9	19 53.71	− 0.12	+ **0.93**	329 43 48.98	46.175	− 6.79	− 34.4	3 19 54.56	.....	+ 8 42 30.9	....
39	ν Persei.................	9	38 59.66	− 0.42	+ 0.97	3 17 50.72	47.445	− 6.79	+ 3.5	3 39 0.21	.....	+42 17 39.4	....
40	A Tauri..................	9	59 17.82	− 0.19	+ **0.98**	342 51 51.60	44.245	− 6.79	− 18.2	3 59 18.60	.....	+21 50 5.5	....
41	ο¹ Eridani................	9	7 24.51	− 0.11	+ **0.95**	313 57 53.15	44.350	− 6.79	−1 1.2	4 7 25.37	.....	− 7 4 33.4	....
42	ο² Eridani................	9	11 4.11	− 0.07	+ **0.97**	313 13 53.12	46.570	− 6.79	−1 2.8	4 11 5.01	.....	− 7 47 44.3	....
43	212 G. Eridani............	9	16 40.10	− 0.06	+ 0.97	300 11 51.58	43.602	− 6.79	−1 41.3	4 16 41.01	− 0.13	−20 51 32.1	+11.4

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 7 7	30.055	32.9	33.9
11 26	30.03	29.8	30.0
12 9	30.03	30.0	29.8
12 46	......	....	29.6
13 11	30.03	29.7	29.4
13 32	......	....	29.3
14 4	30.03	29.2	29.6
14 18	30.03	29.2	29.2
15 11	30.04	29.0	29.5
21 0 50	29.99	40.4	41.2
1 20	......	....	40.0
1 52	29.99	[illegible]	39.1
2 29	......	....	38.3
3 9	30.00	37.3	37.1
7 6	29.99	33.4	32.7
22 20 19	[illegible]	37.8	37.0
21 30	30.010	40.8	40.5
1 45	30.003	43.0	43.3
1 53	......	....	44.0
3 0	30.011	42.0	42.8
3 23	......	....	42.3
3 42	30.014	41.4	42.0
4 2	......	....	41.0
4 24	......	....	41.0

Micrometer bisections are made at II, VI, except as noted below.

1, 31, 34.	Bisections at I, II, VI, VII.
2, 24, 33, 36.	Bisections at VI, VII.
3, 5, 15, 17, 23, 32, 35.	Bisections at I, II.
4, 11, 16, 20–22, 30, 37.	Bisections at b_4, b_5, b_6.
7.	Bisections at III, IV, V.
12.	Bisections at b_4, b_5.
13.	Bisections at II, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 0.1	.. ....	...	+ 0.1
31	+ 0.1	.. ....	...	+ 0.1
32	+ 7.6	−16 14.9	...	−16 7.3
33	+ 7.6	+16 14.9	...	+16 22.5
34	+ 6.6	.. ....	+0.2	+ 6.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Eridani	9	31 45.46	− 0.08	+ 0.95	317 29 52.50	44.615	− 6.79	− 54.2	4 31 46.35	.....	− 3 32 21.0	....
2	β Eridani	6	3 21.89	− 0.07	+ 0.96	315 49 53.42	44.897	− 6.79	− 57.5	5 3 22.79	.....	− 5 12 17.0	....
3	γ Canis Majoris	9	59 38.24	− 0.07	+ 0.99	305 31 52.92	46.962	− 6.98	−1 22.8	6 59 39.15	.....	−15 29 55.8	....
4	Neptune C, C	9	5 51.08	− 0.21	+ 0.98	342 49 51.25	45.346	− 6.98	− 18.3	7 5 51.85	.....	+21 48 30.0	....
	January 25, M.												
5	Sun I, S	9	28 48.22	− 0.19	+ 1.27	301 45 49.65	47.235	− 4.96	−1 31.1	20 28 49.30	+68.95	−19 15 58.6	....
6	Sun II, N	9	31 6.12	− 0.19	+ 1.27	302 17 50.85	48.458	− 4.96	−1 29.2	20 31 7.20	−68.95	−18 43 28.4	....
7	Moon I	9	3 16.48	− 0.16	+ 1.27	315 12	......	....	. ....	0 3 17.59	+68.44	.. ..	....
8	α Ursæ Minoris	9	26 31.89	−26.37	+ 1.27	49 49 50.55	44.370	− 5.86	+1 7.4	1 26 6.79	.....	+88 49 32.7	....
9	57 B. Ursæ Minoris s. p.	8	6 1.58	+13.30	+ 1.28	53 23 50.05	48.533	− 5.86	+1 17.2	15 6 16.16	.....	+87 34 41.5	....
10	ζ Arietis	9	9 38.56	− 0.21	+ 1.24	341 43 51.05	45.270	− 5.86	− 18.9	3 9 39.63	.....	+20 42 28.6	....
11	α Persei	9	17 47.87	− 0.50	+ 1.28	10 31 50.75	49.208	− 5.86	+ 10.8	3 17 48.65	.....	+49 32 27.9	....
12	ν Persei	9	38 59.20	− 0.39	+ 1.28	3 17 51.35	47.400	− 5.86	+ 3.4	3 39 0.09	.....	+42 17 39.9	....
13	λ Tauri	9	55 36.97	− 0.19	+ 1.25	333 15 50.30	44.528	− 5.86	− 28.9	3 55 38.06	.....	+12 14 1.0	....
14	A Tauri	9	59 17.46	− 0.23	+ 1.34	342 51 49.85	44.205	− 5.86	− 17.7	3 59 18.51	.....	+21 50 4.3	....
15	o^1 Eridani	9	7 24.21	− 0.16	+ 1.26	313 57 49.68	44.332	− 5.86	− 59.5	4 7 25.33	.....	− 7 4 34.7	....
16	o^2 Eridani	9	11 3.85	− 0.16	+ 1.28	313 13 47.95	46.585	− 5.86	−1 1.0	4 11 4.97	.....	− 7 47 46.4	....
17	ν Eridani	9	31 45.16	− 0.17	+ 1.31	317 29 51.30	44.500	− 5.86	− 52.7	4 31 46.27	.....	− 3 32 22.2	....
18	70 B. Ursæ Minoris s. p.	8	34 25.40	+ 2.86	+ 1.28	63 19 48.40	50.358	− 5.86	+1 54.7	16 34 29.54	+ 2.85	+77 37 23.7	+16.0
19	158 H^1. Cephei	9	32 55.44	− 6.18	+ 1.28	46 9 50.58	44.457	− 6.13	+1 0.3	5 32 50.54	.....	+85 9 28.2	....
	January 25, L.												
20	Venus I, C	7	57 48.93	− 0.12	+ 1.23	298 21 51.20	47.692	− 5.82	−1 47.8	18 57 50.04	+ 0.46	−22 40 4.6	....
21	Venus II	7	57 49.94	− 0.12	+ 1.23	... .	......	....	. ....	18 57 51.05	− 0.55	.. ..	....
	January 26, L.												
22	Sun I, S	9	32 58.33	− 0.10	+ 1.23	302 1 51.72	44.503	− 5.46	−1 32.8	20 32 59.46	+69.01	−19 1 1.3	....
23	Sun II, N	9	35 16.35	− 0.10	+ 1.23	302 33 52.35	45.813	− 5.46	−1 30.8	20 35 17.48	−69.01	−18 28 29.4	....
24	Mercury C, C	9	47 44.94	− 0.10	+ 1.24	307 43 51.70	45.120	− 5.66	−1 14.8	21 47 46.08	+ 0.08	−13 18 29.7	....
25	Moon I, S	9	57 50.47	− 0.11	+ 1.25	321 7 54.78	47.123	− 6.14	− 46.9	0 57 51.61	+67.38	+ 0 6 46.5	....
26	57 B. Ursæ Minoris s. p.	8	6 1.81	+14.16	+ 1.27	53 23 53.30	48.260	− 6.14	+1 19.4	15 6 17.24	.....	+87 34 42.6	....
27	ζ Arietis	9	9 38.43	− 0.17	+ 1.32	341 43 54.68	45.182	− 6.14	− 19.4	3 9 39.53	.....	+20 42 29.5	....
28	o^1 Eridani	9	7 24.10	− 0.10	+ 1.30	313 57 54.60	44.240	− 6.34	−1 1.2	4 7 25.27	.....	− 7 4 34.1	....
29	o^2 Eridani	9	11 3.79	− 0.10	+ 1.27	313 13 53.25	46.515	− 6.35	−1 2.7	4 11 4.96	.....	− 7 47 44.9	....
30	ν Eridani	9	31 45.14	− 0.10	+ 1.25	317 29 54.50	44.478	− 6.43	− 54.0	4 31 46.31	.....	− 3 32 21.4	....
31	70 B. Ursæ Minoris s. p.	9	34 25.64	+ 3.08	+ 1.27	63 21 54.02	44.760	− 6.44	+1 57.7	16 34 29.99	+ 2.76	+77 37 23.5	+16.2
32	β Eridani	9	3 21.56	− 0.09	+ 1.28	315 49 53.05	44.920	− 6.56	− 57.3	5 3 22.75	.....	− 5 12 16.4	....
33	22 Camelopardalis	9	31 23.90	− 0.61	+ 1.28	17 19 56.00	44.042	− 6.66	+ 18.6	5 31 24.57	− 0.55	+56 18 42.1	− 8.7
34	η Geminorum	9	9 22.26	− 0.16	+ 1.38	343 33 54.55	44.080	− 6.82	− 17.5	6 9 23.38	.....	+22 32 5.4	....
35	β Canis Majoris	9	18 40.93	− 0.09	+ 1.29	303 7 54.12	45.254	− 6.86	−1 30.6	6 18 42.12	.....	−17 54 41.2	....
36	10 Monocerotis	9	23 27.29	− 0.08	+ 1.27	316 19 54.95	44.618	− 6.88	− 56.6	6 23 28.49	.....	− 4 42 21.0	....
37	S Monocerotis	9	35 57.28	− 0.10	+ 1.26	330 59 55.12	46.745	− 6.93	− 32.9	6 35 58.46	.....	+ 9 58 51.4	....
38	γ Canis Majoris	9	59 37.92	− 0.08	+ 1.32	305 31 54.05	46.945	− 7.03	−1 23.1	6 59 39.12	.....	−15 29 55.3	....
39	Neptune C, C	9	5 23.69	− 0.14	+ 1.28	342 49 54.62	47.285	− 7.05	− 18.3	7 5 24.83	.....	+21 49 17.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 4 34	30.016	40.6	40.7
5 1	30.020	40.2	40.2
5 10	......	....	40.3
6 58	......	....	39.2
7 8	30.000	39.9	39.0
25 20 31	29.714	57.5	58.0
1 27	29.755	55.8	56.8
2 57	29.77	53.2	53.3
3 37	29.77	51.8	52.3
4 21	......	....	50.6
4 38	29.765	50.3	50.0
5 36	29.76	48.7	48.2
18 59	29.80	44.0	42.8
26 20 35	29.796	46.0	45.1
21 49	29.77	47.1	46.3
0 59	29.78	45.0	44.0
3 0	......	....	40.8
3 10	29.82	41.3	40.7
4 4	......	....	38.3
4 12	29.83	39.7	38.7
4 36	......	....	39.0
5 4	29.83	39.3	38.4
5 32	......	....	38.0
6 10	29.83	37.4	36.9
6 27	......	....	36.6
6 37	......	....	35.4
7 6	29.83	36.0	34.9

Micrometer bisections are made at II, VI, except as noted below.

2, 3, 10.	Bisections at II, VI, VII.
4, 20, 24, 32, 35, 38, 39.	Bisections at I, II, VI, VII.
5, 17, 30.	Bisections at I, II.
6.	Bisections at VI, VII.
8.	Bisections at b_1, b_2, b_3.
9, 26.	Bisections at b_4, b_5, b_6.
18.	Bisections at II, III, IV.
19.	Bisections at III, IV, V.
22.	Bisections at I, II, III.
23.	Bisections at V, VI, VII.
25.	Bisections at II, III, IV, V, VI.
31.	Bisections at II, IV, VI.

Notes.

2. Clouds.
8. Clouds; poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 0.1	.. ....	...	+ 0.1
5	+ 7.6	+16 15.0	...	+16 22.6
6	+ 7.5	−16 15.1	...	−16 7.6
20	+ 5.1	.. ....	0.0	+ 5.1
22	+ 7.5	+16 16.0	...	+16 23.5
23	+ 7.5	−16 15.9	...	−16 8.4
24	+ 7.1	.. ....	+ 0.4	+ 7.5
25	+37 4.8	+16 14.2	...	+53 19.0
39	+ 0.1	.. ....	...	+ 0.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 26, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	e Leonis	9	25 38.88	− 0.04	+ 1.31	318 31 53.42	45.292	− 6.36	− 52.6	11 25 40.15	− 0.16	− 2 30 2.6	− 0.7
2	δ Ursæ Majoris	9	10 55.68	− 0.58	+ 1.31	18 31 52.90	47.812	− 6.36	+ 20.1	12 10 56.41	.....	+57 32 7.1	....
3	15 Comæ Berenices	9	22 23.19	− 0.15	+ 1.32	349 47 51.28	44.645	− 6.36	− 10.7	12 22 24.36	− 0.05	+28 46 22.3	+ 7.9
4	δ Corvi	9	25 7.91	− 0.04	**+ 1.29**	305 1 52.85	45.748	− 6.36	−1 24.9	12 25 9.19	.....	−16 0 25.0	....
5	ρ Virginis	9	37 15.38	− 0.06	**+ 1.30**	331 45 52.30	45.108	− 6.36	− 32.0	12 37 16.64	.....	+10 44 12.6	....
6	Groombridge 1922	9	40 50.63	− 0.33	+ 1.32	6 57 50.20	43.170	− 6.36	+ 7.4	12 40 51.62	− 0.17	+45 56 5.5	+11.8
7	p Centauri	9	45 43.30	− 0.08	+ 1.32	287 33 52.12	46.032	− 6.36	−3 6.4	12 45 44.54	+ 0.21	−33 30 0.7	−10.6
8	ψ Virginis	9	49 35.56	− 0.03	+ 1.32	311 59 53.52	44.382	− 6.36	−1 6.3	12 49 36.85	+ 0.26	− 9 2 37.0	− 2.6
9	43 H. Cephei s. p.	9	55 50.22	+ 8.15	+ 1.32	55 13 50.75	43.730	− 6.36	+1 26.2	0 55 59.69	.....	+85 46 21.9	....
10	Groombridge 2006	7	3 45.31	−16.99	+ 1.32	49 7 50.32	45.695	− 6.36	+1 9.3	13 3 29.64	−17.06	+88 8 5.3	+14.6
11	γ Hydræ	9	13 56.71	− 0.03	+ 1.32	298 21 51.02	44.438	− 6.36	−1 50.4	13 13 58.00	.....	−22 41 22.3	....
12	i Virginis	9	21 52.88	− 0.02	+ 1.32	308 47 55.08	46.368	− 6.36	−1 14.3	13 21 54.18	+ 0.45	−12 13 58.0	+ 6.5
13	α Ursæ Minoris s. p.	5	25 34.80	+28.36	+ 1.32	52 9 53.65	46.337	− 6.36	+1 17.3	1 26 4.48	.....	+88 49 27.7	....
14	η Boötis	9	50 19.38	− 0.08	**+ 1.34**	339 51 54.55	47.010	− 6.36	− 21.9	13 50 20.62	.....	+18 51 8.4	....
15	τ Virginis	9	56 58.95	− 0.02	**+ 1.33**	323 1 53.05	42.700	− 6.36	− 45.0	13 57 0.25	.....	+ 1 59 5.4	....
16	κ Virginis	9	8 0.40	0.00	**+ 1.28**	311 11 52.22	43.615	− 6.36	−1 8.3	14 8 1.72	.....	− 9 50 57.6	....
17	ι Virginis	9	11 12.48	− 0.01	**+ 1.28**	315 27 53.72	45.795	− 6.36	− 58.8	14 11 13.79	.....	− 5 33 57.0	....
18	λ Virginis	9	14 9.00	0.00	**+ 1.24**	308 5 53.82	43.592	− 6.36	−1 16.2	14 14 10.32	.....	−12 57 4.6	....
19	57 B. Ursæ Minoris	8	6 28.88	−13.30	+ 1.32	48 33 50.35	47.503	− 6.36	+1 8.1	15 6 16.90	.....	+87 34 45.4	....
	January 27, P.												
20	Sun I, S.	9	37 7.42	− 0.04	+ 1.33	302 15 52.75	47.778	− 5.65	−1 30.8	20 37 8.71	+68.86	−18 45 43.5	....
21	Sun II, N.	9	39 25.14	− 0.04	+ 1.33	302 47 53.48	49.095	− 5.65	−1 29.0	20 39 26.43	−68.86	−18 13 11.7	....
22	Mercury I, C.	9	51 16.07	− 0.02	+ 1.33	308 17 54.82	44.838	− 4.75	−1 11.9	21 51 17.38	+ 0.25	−12 44 29.2	....
23	Moon I, S.	9	51 14.11	− 0.10	+ 1.33	327 9 51.98	46.500	− 5.05	− 36.6	1 51 15.34	+67.02	+ 6 8 40.8	....
24	57 B. Ursæ Minoris s. p.	8	6 2.34	+14.05	+ 1.34	53 23 52.90	48.375	− 5.29	+1 17.2	15 6 17.73	.....	+87 34 41.7	....
25	δ Eridani	9	38 51.81	− 0.07	**+ 1.37**	310 57 53.65	44.912	− 5.42	−1 5.8	3 38 53.08	.....	−10 4 23.3	....
26	λ Tauri	9	55 36.75	− 0.11	**+ 1.37**	333 15 52.62	44.420	− 5.48	− 28.9	3 55 37.98	.....	+12 14 1.2	....
27	A Tauri	9	59 17.32	− 0.15	**+ 1.38**	342 51 49.22	44.260	− 5.50	− 17.7	3 59 18.51	.....	+21 50 5.3	....
28	o¹ Eridani	9	7 23.99	− 0.07	**+ 1.37**	313 57 52.40	44.210	− 5.53	− 59.4	4 7 25.26	.....	− 7 4 34.3	....
29	o² Eridani	9	11 3.71	− 0.07	**+ 1.31**	313 13 53.18	46.360	− 5.54	−1 0.9	4 11 4.98	.....	− 7 47 45.9	....
30	ν Eridani	9	31 45.08	− 0.08	**+ 1.28**	317 29 53.18	44.405	− 5.62	− 52.6	4 31 46.34	.....	− 3 32 22.4	....
31	53 Eridani	9	33 59.59	− 0.08	**+ 1.30**	306 33 51.40	43.855	− 5.63	−1 17.2	4 34 0.85	.....	−14 29 1.3	....
	January 28, M.												
32	Sun I, N.	9	41 15.63	− 0.14	+ 1.50	303 3 51.48	48.092	− 4.79	−1 30.0	20 41 16.99	+68.70	−17 57 36.0	....
33	Sun II, S.	9	43 33.03	− 0.14	+ 1.50	302 31 52.70	46.792	− 4.79	−1 31.9	20 43 34.39	−68.70	−18 30 7.1	....
34	Moon I, S.	9	44 31.17	− 0.10	+ 1.52	332 39 53.20	48.400	− 5.76	− 30.3	2 44 32.59	+67.27	+11 39 31.0	....
35	57 B. Ursæ Minoris s. p.	9	6 1.72	+14.36	+ 1.53	53 23 50.18	48.410	− 5.76	+1 19.6	15 6 17.61	.....	+87 34 41.7	....
36	δ Eridani	9	38 51.66	− 0.07	**+ 1.51**	310 57 52.02	45.060	− 5.76	−1 7.8	3 38 53.12	.....	−10 4 23.9	....
37	λ Tauri	9	55 36.61	− 0.11	**+ 1.49**	333 15 53.10	44.420	− 5.76	− 29.7	3 55 38.03	.....	+12 14 0.6	....
38	A Tauri	9	59 17.16	− 0.16	**+ 1.54**	342 51 53.55	44.052	− 5.76	− 18.2	3 59 18.53	.....	+21 50 4.1	....
39	o¹ Eridani	9	7 23.78	− 0.08	**+ 1.57**	313 57 51.30	44.320	− 5.76	−1 1.2	4 7 25.23	.....	− 7 4 34.9	....
40	o² Eridani	9	11 3.50	− 0.07	**+ 1.51**	313 13 51.62	46.505	− 5.76	−1 2.7	4 11 4.96	.....	− 7 47 46.2	....
41	ν Eridani	9	31 44.81	− 0.08	**+ 1.54**	317 29 51.68	44.540	− 5.76	− 54.2	4 31 46.26	.....	− 3 32 22.5	....
42	53 Eridani	9	33 59.34	− 0.08	**+ 1.54**	306 33 51.20	43.912	− 5.76	−1 19.7	4 34 0.79	.....	−14 29 2.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 11 23	29.748	33.1	33.0
12 8	29.740	33.8	32.2
12 33	....	....	31.9
13 19	29.705	32.1	30.5
13 43	....	....	30.2
13 54	29.680	31.2	30.1
14 16	[illegible]	31.5	29.8
15 11	29.628	30.1	28.9
27 20 39	29.46	43.2	45.1
21 52	29 403	47.3	49.9
1 49	29.354	49.2	49.7
1 54	....	....	49.8
3 1	29.362	47.0	47.0
3 37	....	....	46.0
4 3	29.356	45.1	44.9
4 16	....	....	44.7
4 36	29.354	44.9	44.5
28 20 44	29.606	37.4	37.2
2 45	29.61	37.8	37.4
3 10	....	....	36.1
3 49	....	....	35.7
4 3	29.61	35.8	35.6
4 36	29.605	34.8	33.9

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at III, V.
7, 22.	Bisections at I, II, VI, VII.
9.	Bisections at b_1, b_3, b_5, b_7, b_9.
10, 19, 24, 35.	Bisections at b_4, b_5, b_6.
13.	Bisections at b_1, b_3, b_5.
16, 20.	Bisections at I, II.
21.	Bisections at VI, VII.
23, 34.	Bisections at II, III, IV, V, VI.
32.	Bisections at I, II, III.
33.	Bisections at V, VI, VII.

Note.

2, 4, 10, 11.	Light clouds.
5.	Micrometer reading increased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
20	+ 7.5	+16 15.9	...	+16 23.4
21	+ 7.5	−16 15.9	...	−16 8.4
22	+ 7.2	.. ....	+ 0.5	+ 7.7
23	+31 36.6	+16 2.4	...	+47 39.0
32	+ 7.4	−16 15.5	...	−16 8.1
33	+ 7.5	+16 15.5	...	+16 23.0
34	+26 22.5	+15 50.3	...	+42 12.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 29, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Venus I, C............	7	19 22.13	− 0.10	+ 1.55	298 47 52.80	43.673	− 4.75	−1 46.2	19 19 23.58	+ 0.41	−22 15 32.3	....
2	Venus II.............	7	19 23.01	− 0.10	+ 1.55	... .	......	....	. ....	19 19 24.46	− 0.47	.. ..	....
	January 31, P.												
3	Moon I, N............	9	30 3.84	− 0.15	+ 1.68	344 7 54.95	48.748	− 4.68	− 17.4	5 30 5.37	+69.18	+23 7 56.2	....
4	Moon S...............	.	.. ..	.....	....	343 37 56.22	46.150	− 4.68	− 18.0	.. ..	.....	+22 36 54.1	....
5	α Orionis...............	8	50 13.36	− 0.05	+ **1.68**	328 25 54.30	43.155	− 4.72	− 37.7	5 50 14.99	.....	+ 7 23 25.9	....
6	ν Orionis...............	9	2 21.25	− 0.09	+ **1.73**	335 47 54.10	46.380	− 4.78	− 27.5	6 2 22.84	.....	+14 46 49.6	....
7	η Geminorum...........	9	9 21.91	− 0.15	+ **1.69**	343 33 53.48	44.065	− 4.81	− 18.1	6 9 23.44	.....	+22 32 5.4	....
8	β Canis Majoris..........	9	18 40.43	+ 0.01	+ **1.65**	303 7 54.00	45.272	− 4.86	−1 33.8	6 18 42.12	.....	−17 54 42.1	....
9	10 Monocerotis............	9	23 26.68	− 0.01	+ **1.78**	316 19 55.08	44.580	− 4.88	− 58.6	6 23 28.35	.....	− 4 42 21.7	....
10	γ Geminorum...........	9	32 26.23	− 0.10	+ **1.62**	337 29 55.32	45.905	− 4.93	− 25.4	6 32 27.81	.....	+16 28 41.9	....
11	S Monocerotis............	9	35 56.84	− 0.06	+ **1.65**	330 59 55.28	46.665	− 4.94	− 34.0	6 35 58.46	.....	+ 9 58 50.6	....
12	ξ Geminorum...........	9	40 9.78	− 0.08	+ **1.69**	334 1 54.28	43.550	− 4.96	− 29.9	6 40 11.38	.....	+12 59 42.7	....
13	γ Canis Majoris..........	9	59 37.49	+ 0.01	+ **1.65**	305 31 54.00	46.910	− 5.05	−1 25.9	6 59 39.18	.....	−15 29 57.0	....
14	Neptune C, C..........	9	4 50.98	− 0.14	+ 1.68	342 51 53.75	44.512	− 5.09	− 18.9	7 4 52.52	.....	+21 50 14.8	....
	February 1, M.												
15	Sun I, S..............	9	57 40.37	+ 0.04	+ 1.82	303 37 53.60	45.862	− 3.61	−1 32.3	20 57 42.23	+68.45	−17 24 26.0	....
16	Sun II, N.............	8	59 57.26	+ 0.04	+ 1.82	304 9 54.98	47.225	− 3.61	−1 30.4	20 59 59.12	−68.44	−16 51 52.2	....
17	ε Orionis...............	9	31 34.11	+ 0.03	+ **1.82**	319 45 53.45	46.258	− 4.85	− 52.1	5 31 35.99	.....	− 1 15 38.5	....
18	ν Orionis...............	9	2 21.08	− 0.08	+ **1.89**	335 47 54.42	46.325	− 4.85	− 27.7	6 2 22.85	.....	+14 46 48.4	....
19	η Geminorum...........	9	9 21.69	− 0.15	+ **1.91**	343 33 53.98	44.000	− 4.85	− 18.2	6 9 23.39	.....	+22 32 4.3	....
20	β Canis Majoris..........	9	18 40.13	+ 0.10	+ **1.85**	303 7 52.55	45.310	− 4.85	−1 34.2	6 18 42.08	.....	−17 54 43.1	....
21	10 Monocerotis............	9	23 26.45	+ 0.05	+ **1.95**	316 19 53.80	44.598	− 4.85	− 58.8	6 23 28.35	.....	− 4 42 22.8	....
	February 1, L.												
22	Moon I, S.............	9	26 56.33	− 0.17	+ 1.74	344 49 55.05	45.565	− 4.85	− 16.7	6 26 57.90	+69.16	+23 48 43.1	....
23	Moon N...............	.	.. ..	.....	....	345 19 55.00	47.640	− 4.85	− 16.1	.. ..	.....	+24 19 30.0	....
	February 1, M.												
24	S Monocerotis............	9	35 56.59	− 0.04	+ **1.87**	330 59 53.52	46.692	− 4.85	− 34.1	6 35 58.40	.....	+ 9 58 49.5	....
25	γ Canis Majoris..........	9	59 37.23	+ 0.09	+ **1.82**	305 31 52.62	46.900	− 4.85	−1 26.0	6 59 39.17	.....	−15 29 58.5	....
26	Neptune C, C..........	9	4 44.44	− 0.14	+ 1.86	342 51 54.88	44.916	− 4.85	− 19.0	7 4 46.16	.....	+21 50 25.3	....
	February 1, P.												
27	6 B. Ursæ Minoris.......	9	15 15.94	−24.94	+ 1.77	49 11 53.68	45.422	− 4.28	+1 11.4	12 14 52.77	.....	+88 12 6.6	....
28	γ Virginis (*pr.*).........	5	37 0.95	+ 0.10	+ 1.77	320 5 53.60	42.720	− 4.28	− 51.4	12 37 2.82	.....	− 0 56 57.7	....
29	γ Virginis(*fol.*).........	5	37 1.21	+ 0.10	+ 1.77	320 5 53.60	42.482	− 4.28	− 51.4	12 37 3.08	.....	− 0 57 3.6	....
30	p Centauri...............	9	45 42.81	+ 0.18	+ 1.77	287 33 53.30	46.042	− 4.28	−3 11.8	12 45 44.76	+ 0.01	−33 30 2.6	− 9.0
31	8 Draconis..............	9	51 52.16	− 1.30	+ 1.77	26 55 53.78	46.135	− 4.28	+ 31.4	12 51 52.63	.....	+65 55 43.0	....
32	48 Virginis..............	9	59 11.06	+ 0.11	+ 1.77	317 51 54.25	44.350	− 4.28	− 55.5	12 59 12.94	+ 0.13	− 3 10 24.1	+ 0.5
33	43 Comæ Berenices.......	9	7 36.03	− 0.13	+ **1.80**	349 21 54.55	44.125	− 4.28	− 11.5	13 7 37.67	.....	+28 20 15.0	....
34	9 B. Ursæ Minoris.......	9	23 50.59	− 2.07	+ 1.77	33 51 53.85	45.438	− 4.28	+ 41.4	13 23 50.29	.....	+72 51 37.1	....
35	81 Ursæ Majoris.........	9	30 36.81	− 0.73	+ 1.78	16 49 50.88	44.062	− 4.28	+ 18.7	13 30 37.86	− 0.29	+55 48 39.9	+14.9
36	d Boötis.................	9	6 12.91	− 0.10	+ **1.82**	346 31 53.40	46.922	− 4.28	− 14.7	14 6 14.59	.....	+25 31 14.5	....
37	ι Virginis...............	9	11 12.11	+ 0.12	+ **1.71**	315 27 53.70	45.732	− 4.28	−1 0.4	14 11 14.01	.....	− 5 33 58.0	....
38	λ Virginis...............	9	14 8.56	+ 0.14	+ **1.73**	308 5 54.28	43.570	− 4.28	−1 18.3	14 14 10.48	.....	−12 57 4.7	....
39	f Boötis.................	9	22 11.20	− 0.04	+ **1.76**	340 39 52.98	44.072	− 4.28	− 21.6	14 22 12.94	.....	+19 38 2.1	....
40	34 Boötis................	9	39 23.25	− 0.12	+ 1.78	347 55 51.95	45.570	− 4.28	− 13.1	14 39 24.91	+ 0.55	+26 54 43.8	+11.1
41	109 Virginis..............	9	41 36.34	+ 0.08	+ **1.76**	323 17 54.18	46.422	− 4.28	− 45.8	14 41 38.20	.....	+ 2 16 32.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 19 18	[illegible]	31.9	30.2
31 5 28	[illegible]	23.9	22.3
5 53	......	....	22.2
6 15	29.917	23.0	22.1
6 30	......	....	22.0
6 58	......	....	21.6
7 6	29.940	23.0	21.6
1 21 0	30.175	24.3	24.5
5 26	30.12	22.7	23.7
6 0	......	....	23.3
6 21	30.12	22.7	23.0
6 38	......	....	23.0
7 8	30.09	22.8	23.2
12 9	[illegible]	23.1	23.0
12 36	......	....	22.8
12 56	29.998	22.2	23.0
13 26	......	....	22.7
13 32	[illegible]	22.0	22.3
14 4	29.976	22.0	22.5
14 24	......	....	22.1
14 38	......	....	22.0

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, VI, VII.
3, 15, 22.	Bisections at I, II, III.
4, 29.	Bisections at VI, VII.
12.	Bisection at II.
14, 26, 30.	Bisections at I, II, VI, VII.
16, 23.	Bisections at V, VI, VII.
27.	Bisections at b_4, b_5, b_6.
28.	Bisections at I, II.
31, 34.	Bisections at III, V.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.0	.. ....	0.0	+ 5.0
3	+15 3.2	−15 16.8	+ 0.7	− 12.9
4	+15 32.4	+15 16.8	...	+30 49.2
14	+ 0.1	.. ....	...	+ 0.1
15	+ 7.4	+16 16.9	...	+16 24.3
16	+ 7.4	−16 16.9	...	−16 9.5
22	+14 16.8	+15 9.4	− 0.8	+29 25.4
23	+13 47.9	−15 9.4	...	− 1 21.5
26	+ 0.1	.. ....	...	+ 0.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	8 Libræ	9	45 36.44	+ 0.15	+ **1.71**	305 25 54.02	43.972	− 4.28	−1 26.3	14 45 38.37	.....	−15 37 3.8	....
2	57 B. Ursæ Minoris	9	6 36.78	−18.37	+ 1.78	48 33 54.00	47.173	− 4.28	+1 10.0	15 6 20.19	.....	+87 34 45.5	....
3	Venus I, C.	9	35 25.69	+ 0.14	+ 1.78	299 11 53.82	47.635	− 5.03	−1 46.4	19 35 27.61	+ 0.46	−21 50 1.1	....
4	Venus II	9	35 26.67	+ 0.14	+ 1.78	... .	......	....	. ....	19 35 28.59	− 0.52	.. ..	....
	February 2, P.												
5	Sun I, N.	9	1 45.12	+ 0.03	+ 1.78	304 27 55.22	44.948	− 3.85	−1 25.6	21 1 46.93	+68.21	−16 34 38.7	....
6	Sun II, S.	9*	4 1.55	+ 0.03	+ 1.78	303 55 54.90	43.700	− 3.85	−1 27.3	21 4 3.36	−68.22	−17 7 10.1	....
7	ε Orionis	9	31 34.17	+ 0.04	+ **1.74**	319 45 51.58	46.235	− 4.12	− 49.9	5 31 36.01	.....	− 1 15 38.0	....
8	ν Orionis	9	2 21.09	− 0.05	+ **1.84**	335 47 52.92	46.350	− 4.12	− 26.5	6 2 22.84	.....	+14 46 49.4	....
9	η Geminorum	9	9 21.71	− 0.11	+ **1.84**	343 33 51.78	44.090	− 4.12	− 17.4	6 9 23.40	.....	+22 32 5.6	....
10	β Canis Majoris	9	18 40.24	+ 0.07	+ **1.77**	303 7 52.70	45.095	− 4.12	−1 30.3	6 18 42.11	.....	−17 54 43.2	....
11	10 Monocerotis	9	23 26.53	+ 0.03	+ **1.88**	316 19 52.48	44.538	− 4.12	− 56.4	6 23 28.36	.....	− 4 42 22.3	....
12	S Monocerotis	9	35 56.68	− 0.04	+ **1.78**	330 59 52.22	46.695	− 4.12	− 32.7	6 35 58.44	.....	+ 9 58 50.4	....
13	γ Canis Majoris	9	59 37.26	+ 0.06	+ **1.82**	305 31 52.50	46.775	− 4.12	−1 22.6	6 59 39.12	.....	−15 29 57.4	....
14	Moon I, N.	9	23 23.46	− 0.16	+ 1.80	345 11 51.12	44.580	− 4.12	− 15.6	7 23 25.10	+68.48	+24 10 18.0	....
	February 2, L.												
15	μ Virginis	9	38 13.34	− 0.02	+ **1.84**	315 45 54.22	46.130	− 4.77	− 58.2	14 38 15.12	.....	− 5 15 46.7	....
16	109 Virginis	9	41 36.52	− 0.06	+ **1.76**	323 17 55.30	46.250	− 4.77	− 44.6	14 41 38.26	.....	+ 2 16 30.7	....
17	8 Libræ	9	45 36.58	0.00	+ **1.75**	305 25 53.35	43.835	− 4.77	−1 23.9	14 45 38.39	.....	−15 37 5.7	....
18	ξ² Libræ	9	51 47.21	− 0.01	+ **1.74**	309 59 53.80	44.714	− 4.77	−1 11.2	14 51 49.01	.....	−11 2 32.4	.....
19	57 B. Ursæ Minoris	9	6 34.67	−17.60	+ 1.81	48 33 55.02	47.192	− 4.77	+1 8.0	15 6 18.88	.....	+87 34 44.5	....
20	β Libræ	9	12 3.87	− 0.01	+ **1.80**	311 59 54.00	43.689	− 4.77	−1 6.4	15 21 5.67	.....	− 9 2 50.9	....
21	α Coronæ Borealis	9	30 47.65	− 0.23	+ **1.87**	348 1 54.82	46.328	− 4.77	− 12.6	15 30 49.23	.....	+27 1 4.0	....
22	Venus I, C.	7	40 45.73	+ 0.02	+ 1.80	299 21 53.30	47.035	− 4.31	−1 43.6	19 40 47.55	+ 0.42	−21 40 11.8	....
23	Venus II	7	40 46.62	+ 0.02	+ 1.80	... .	......	....	. ....	19 40 48.44	− 0.47	.. ..	....
	February 3, L.												
24	Sun I, S.	9	5 48.56	+ 0.04	+ 1.81	304 11 54.28	47.495	− 4.54	−1 25.1	21 5 50.41	+68.06	−16 49 41.7	....
25	Sun II, N.	9	8 4.68	+ 0.04	+ 1.81	304 43 52.65	48.907	− 4.54	−1 23.4	21 8 6.53	−68.06	−16 17 10.1	....
26	8 Monocerotis	9	18 55.40	− 0.11	+ **1.86**	325 39 56.58	45.675	− 4.50	− 40.7	6 18 57.11	.....	+ 4 38 22.8	....
27	S Monocerotis	9	35 56.76	− 0.14	+ **1.79**	330 59 55.42	46.598	− 4.50	− 33.0	6 35 58.44	.....	+ 9 58 50.7	....
28	ξ Geminorum	9	40 9.73	− 0.15	+ **1.79**	334 1 56.02	43.358	− 4.50	− 29.0	6 40 11.40	.....	+12 59 41.2	....
29	ζ Geminorum	9	58 41.61	− 0.20	+ **1.84**	341 43 55.82	44.588	− 4.50	− 19.7	6 58 43.23	.....	+20 42 18.4	....
30	δ Geminorum	9	14 40.31	− 0.22	+ **1.84**	343 9 56.15	46.557	− 4.50	− 18.0	7 14 41.91	.....	+22 9 5.3	....
31	β Canis Minoris	9	22 11.88	− 0.13	+ **1.80**	329 29 54.68	45.584	− 4.50	− 35.2	7 22 13.57	.....	+ 8 28 24.5	....
32	β Geminorum	9	39 44.07	− 0.27	+ **1.82**	349 15 57.00	45.602	− 4.50	− 11.3	7 39 45.62	.....	+28 14 51.1	....
33	Moon I, N.	9	18 22.68	− 0.24	+ 1.82	343 45 55.62	45.249	− 4.50	− 17.4	8 18 24.26	+67.21	+22 44 35.6	....
	February 4, M.												
34	Sun I, N.	9	9 51.06	− 0.04	+ 1.99	305 1 54.42	48.055	− 4.28	−1 24.3	21 9 53.01	+67.85	−15 59 27.6	....
35	Sun II, S.	9	12 6.76	− 0.04	+ 1.99	304 29 54.78	47.140	− 4.28	−1 26.0	21 12 8.71	−67.85	−16 31 50.7	....
36	δ Eridani	9	38 50.97	− 0.04	+ **2.06**	310 57 52.40	44.836	− 4.02	−1 6.5	3 38 52.95	.....	−10 4 25.6	....
37	λ Tauri	9	55 35.94	− 0.11	+ **2.07**	333 15 53.45	44.272	− 4.02	− 29.1	3 55 37.85	.....	+12 13 59.9	....
38	A Tauri	9	59 16.60	− 0.16	+ **2.00**	342 51 55.72	43.860	− 4.02	− 17.8	3 59 18.46	.....	+21 50 4.2	....
39	151 H¹. Cephei	9	7 49.00	− 7.62	+ 2.02	46 17 54.62	48.860	− 4.02	+1 0.7	4 7 43.40	.....	+85 19 15.4	....
40	o² Eridani	9	11 2.80	− 0.05	+ **2.08**	313 13 53.42	46.225	− 4.02	−1 1.4	4 11 4.77	.....	− 7 47 47.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 15 15	29.978	21.0	21.1
19 34	29.990	34.4	36.0
2 21 4	29.94	38.8	42.0
5 29	29.890	39.5	40.1
6 1	......	....	39.5
6 15	29.894	38.9	39.4
6 40	......	....	39.2
7 3	......	....	38.8
7 26	29.892	38.0	38.1
14 37	29.80	32.2	32.3
14 52	......	....	32.1
15 13	......	....	32.1
15 32	29.795	32.0	31.6
19 42	29.775	41.1	41.8
3 21 8	29.72	44.6	45.5
6 17	29.64	33.5	31.0
6 41	......	....	30.8
7 0	......	....	30.3
7 20	29.635	31.9	30.0
7 42	......	....	29.7
8 20	29.655	30.8	29.0
4 21 12	29.588	34.1	33.0
3 37	29.53	43.8	44.1
4 13	......	....	44.1

Micrometer bisections are made at II, VI, except as noted below.

1, 30.	Bisections at II, VI, VII.
2, 19.	Bisections at b_4, b_5, b_6.
3, 18, 20, 22, 31, 36.	Bisections at I, II, VI, VII.
5, 34, 38.	Bisections at I, II.
6, 26, 35.	Bisections at VI, VII.
14, 33.	Bisections at II, III, IV, V, VI.
24.	Bisections at I, II, III.
25.	Bisections at V, VI, VII.
39.	Bisections at III, IV, V.

Notes.

10, 29.	Clouds.
16, 32.	Faint.
26–33.	Conditions poor.
36–40.	Images poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 5.0	.. ....	0.0	+ 5.0
5	+ 7.3	−16 15.6	...	−16 8.3
6	+ 7.4	+16 15.7	...	+16 23.1
14	+13 49.8	−15 2.3	...	− 1 12.5
22	+ 4.9	.. ....	0.0	+ 4.9
24	+ 7.3	+16 15.8	...	+16 23.1
25	+ 7.3	−16 15.8	...	−16 8.5
33	+15 3.0	−14 56.1	...	+ 6.9
34	+ 7.3	−16 11.5	...	−16 4.2
35	+ 7.3	+16 11.6	...	+16 18.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Eridani	9	31 44.19	− 0.05	+ **2.05**	317 29 51.98	44.315	− 4.02	− 52.9	4 31 46.16	.....	− 3 32 24.1	....
2	53 Eridani	9	33 58.77	− 0.05	+ **1.98**	306 33 51.95	43.658	− 4.02	−1 17.8	4 34 0.74	.....	−14 29 4.0	....
3	τ Tauri	9	36 44.88	− 0.17	+ **2.04**	343 47 54.70	46.382	− 4.02	− 16.8	4 36 46.73	.....	+22 47 1.6	....
	February 4, P.												
4	Moon I, N	9	11 7.71	− 0.22	+ 1.93	341 11 55.12	47.915	− 4.06	− 19.7	9 11 9.42	+65.67	+20 11 34.2	....
5	Moon II	9	13 19.04	− 0.22	+ 1.93	... .	......	....	. ....	9 13 20.75	−65.66	.. ..	....
6	Jupiter I, C	5	57 18.59	− 0.12	+ 1.94	329 7 54.08	43.765	− 3.84	− 34.5	10 57 20.41	+ 1.62	+ 8 7 26.8	....
7	Jupiter II	5	57 21.83	− 0.12	+ 1.94	... .	......	....	. ....	10 57 23.65	− 1.62	.. ..	....
8	δ Leonis	9	9 15.01	− 0.18	+ **1.96**	342 1 54.45	47.158	− 3.84	− 18.7	11 9 16.77	.....	+21 1 17.4	....
9	δ Crateris	9	14 46.01	− 0.07	+ **1.92**	306 45 52.48	43.419	− 3.84	−1 17.2	11 14 47.88	.....	−14 17 8.4	....
10	*e* Leonis	9	25 38.51	− 0.09	+ 1.94	318 31 53.22	44.998	− 3.84	− 51.1	11 25 40.36	− 0.36	− 2 30 5.5	+ 1.0
11	298 G. Hydræ	9	44 7.83	− 0.08	+ 1.94	294 47 53.48	46.999	− 3.84	−2 4.6	11 44 9.69	− 0.38	−26 14 32.9	− 4.9
12	γ Ursæ Majoris	9	49 2.86	− 0.66	+ 1.94	15 13 54.10	42.055	− 3.84	+ 15.9	11 49 4.14	.....	+54 11 54.7	....
13	γ Corvi	9	11 5.93	− 0.07	+ **1.82**	303 59 53.70	46.385	− 3.84	−1 25.8	12 11 7.80	.....	−17 2 8.0	....
14	6 B. Ursæ Minoris	7	15 13.63	−20.85	+ 1.94	49 11 53.18	45.600	− 3.84	+1 7.4	12 14 54.72	.....	+88 12 6.6	....
15	33 H¹. Virginis	9	23 9.71	− 0.08	+ 1.94	316 55 54.20	43.482	− 3.84	− 54.2	12 23 11.57	− 0.13	− 4 6 42.3	+ 0.6
16	γ Virginis (*pr.*)	5	37 1.03	− 0.09	+ 1.94	320 5 53.52	42.498	− 3.84	− 48.5	12 37 2.88	.....	− 0 56 59.6	....
17	γ Virginis (*fol.*)	5	37 1.32	− 0.09	+ 1.94	320 5 53.52	42.298	− 3.84	− 48.5	12 37 3.17	.....	− 0 57 4.5	....
18	8 Draconis	9	51 52.01	− 1.18	+ 1.94	26 55 53.18	46.210	− 3.84	+ 29.6	12 51 52.77	.....	+65 55 42.7	....
19	48 Virginis	9	59 11.19	− 0.08	+ 1.94	317 51 53.70	44.159	− 3.84	− 52.5	12 59 13.05	+ 0.04	− 3 10 25.6	+ 1.1
20	43 Comæ Berenices	9	7 36.11	− 0.24	+ **1.93**	349 21 52.48	44.115	− 3.84	− 10.9	13 7 37.81	.....	+28 20 13.7	....
21	*i* Virginis	9	21 52.64	− 0.07	+ 1.95	308 47 54.15	46.068	− 3.84	−1 12.1	13 21 54.52	+ 0.17	−12 14 1.1	+ 8.3
22	73 Virginis	9	27 6.24	− 0.07	+ 1.95	302 47 53.52	42.930	− 3.84	−1 30.0	13 27 8.12	+ 0.21	−18 15 31.4	− 3.6
23	40 Cassiopeiæ S. P.	9	31 6.42	+ 2.64	+ 1.95	68 23 54.00	45.102	− 3.84	+2 26.5	1 31 11.01	.....	+72 34 44.7	....
24	109 Virginis	9	41 36.45	− 0.09	+ **1.92**	323 17 54.28	46.198	− 4.12	− 43.2	14 41 38.31	.....	+ 2 16 30.6	....
25	8 Libræ	9	45 36.52	− 0.06	+ **1.94**	305 25 54.15	43.625	− 4.12	−1 21.4	14 45 38.41	.....	-15 37 6.5	....
26	ξ² Libræ	9	51 47.19	− 0.06	+ **1.87**	309 59 53.98	44.548	− 4.12	−1 9.1	14 51 49.08	.....	−11 2 33.3	....
27	57 B. Ursæ Minoris	9	6 34.11	−15.31	+ 1.95	48 33 54.28	47.310	− 4.12	+1 6.1	15 6 20.75	.....	+87 34 45.2	....
28	β Libræ	9	12 3.86	− 0.07	+ **1.93**	311 59 54.98	43.525	− 4.12	−1 4.6	15 12 5.74	.....	− 9 2 51.2	....
29	β Coronæ Borealis	9	24 2.18	− 0.25	+ **2.03**	350 25 52.95	46.030	− 4.12	− 9.8	15 24 3.88	.....	+29 24 58.7	....
30	α Coronæ Borealis	9	30 47.58	− 0.23	+ **2.00**	348 1 52.10	46.418	− 4.12	− 12.3	15 30 49.30	.....	+27 1 4.2	....
31	Venus I, C	8	51 23.47	− 0.06	+ 1.97	299 43 53.55	45.725	− 4.26	−1 38.6	19 51 25.38	+ 0.43	−21 18 36.4	....
32	Venus II	9	51 24.39	− 0.06	+ 1.97	... .	......	....	. ....	19 51 26.30	− 0.49	.. ..	....
	February 6, L.												
33	Sun I, N	9	17 53.75	− 0.19	+ 2.03	305 37 54.52	48.853	− 3.48	−1 18.1	21 17 55.59	+67.84	−15 23 2.3	....
34	Sun II, S	9	20 9.43	− 0.19	+ 2.03	305 5 54.28	47.693	− 3.48	−1 19.6	21 20 11.27	−67.84	−15 55 31.3	....
35	57 B. Ursæ Minoris S. P.	9	6 6.94	+12.84	+ 2.05	53 23 56.20	48.107	− 3.57	+1 18.6	15 6 21.83	.....	+87 34 41.4	....
36	δ Eridani	9	38 51.07	− 0.14	+ **2.03**	310 57 55.40	44.795	− 3.64	−1 7.0	3 38 52.98	.....	−10 4 23.7	....
37	*A* Tauri	9	59 16.57	− 0.19	+ **2.03**	342 51 56.80	43.912	− 3.81	− 18.0	3 59 18.43	.....	+21 50 6.3	....
38	151 H¹. Cephei	9	7 46.67	− 6.12	+ 2.05	46 17 57.38	48.667	− 3.88	+1 1.3	4 7 42.60	.....	+85 19 14.8	....
39	o² Eridani	9	11 2.91	− 0.14	+ **2.03**	313 13 54.42	46.340	− 3.90	−1 2.0	4 11 4.82	.....	− 7 47 44.8	....
40	ν Eridani	9	31 44.26	− 0.13	+ **2.03**	317 29 55.35	44.380	− 4.06	− 53.6	4 31 46.18	.....	− 3 32 20.0	....
41	53 Eridani	9	33 58.81	− 0.14	+ **2.01**	306 33 53.05	43.785	− 4.08	−1 18.7	4 34 0.72	.....	−14 29 1.0	....
42	τ Tauri	9	36 44.85	− 0.19	+ **2.06**	343 47 58.28	46.365	− 4.11	− 17.0	4 36 46.71	.....	+22 47 4.5	....
43	μ Eridani	9	40 55.12	− 0.13	+ **2.05**	317 36	......	....	. ....	4 40 57.04	.....	− 3 25	....
44	ι Tauri	9	57 37.39	− 0.18	+ **2.06**	342 28	......	....	. ....	4 57 39.26	.....	+21 27	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 4 41	29.52	44.7	43.8
9 11	29.52	41.2	41.4
10 55	29.524	43.5	44.5
11 7	......	....	44.8
11 16	......	....	43.8
11 27	......	....	43.2
11 51	29.520	43.2	42.2
12 9	......	....	41.9
12 25	......	....	42.0
12 33	......	....	42.0
12 48	29.512	43.5	42.0
13 16	......	....	41.8
13 33	29.524	43.0	41.4
14 39	29.535	43.5	42.2
14 58	......	....	41.7
15 15	......	....	41.0
15 32	29.538	42.0	40.8
19 52	29.566	55.3	55.5
6 21 20	[illegible]	56.3	55.2
3 3	[illegible]	45.0	43.1
3 37	......	....	42.6
3 58	29.68	43.5	42.0
4 36	.. ....	....	40.9
5 9	29.69	41.2	....

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 16, 40, 41. Bisections at I, II.
4. Bisections at II, III, IV, V, VI.
6. Z. D. threads A used.
6, 9, 11, 19, 31. Bisections at I, II, VI, VII.
12, 15, 22. Bisections at II, VI, VII.
14, 27, 35, 38. Bisections at b_4, b_5, b_6.
17, 39. Bisections at VI, VII.
18. Bisections at III, V.
23. Bisections at III, IV, V.
33. Bisections at I, II, III.
34. Bisections at V, VI, VII.

Notes.

23, 24. Fuzzy.
24. Circle reading decreased 5°.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+17 16.5	−14 51.1	...	+ 2 25.4
6	+ 1.0	.. ....	...	+ 1.0
31	+ 4.8	.. ....	0.0	+ 4.8
33	+ 7.2	−16 14.5	...	−16 7.3
34	+ 7.3	+16 14.4	...	+16 21.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Orionis.	9	31 33.95	– 0.12	+ **2.07**	319 45 53.85	46.200	– 4.56	– 49.6	5 31 35.89	. . . . .	– 1 15 36.6	. . . .
2	ν Orionis.	9	2 20.84	– 0.14	+ **2.15**	335 48	. . . . . .	. . . .	. . . . .	6 2 22.76	. . . . .	+14 46	. . . .
	February 7, P.												
3	Venus I, C.	9	7 13.23	– 0.08	+ 2.24	300 21 52.72	43.762	– 3.43	–1 41.0	20 7 15.39	+ 0.45	–20 41 23.7	. . . .
4	Venus II.	9	7 14.18	– 0.08	+ 2.24	. . . .	. . . . . .	. . . .	. . . . .	20 7 16.34	– 0.50	. . . .	. . . .
	February 8, P.												
5	Sun I, S.	9	25 53.24	– 0.06	+ 2.25	305 43 53.95	46.278	– 3.53	–1 21.8	21 25 55.43	+67.52	–15 18 5.6	. . . .
6	Sun II, N.	9	28 8.28	– 0.06	+ 2.25	306 15 54.82	47.385	– 3.53	–1 20.2	21 28 10.47	–67.52	–14 45 38.6	. . . .
7	δ Eridani.	9	38 50.78	– 0.08	+ **2.23**	310 57 56.72	44.748	– 3.73	–1 8.1	3 38 52.99	. . . . .	–10 4 24.6	. . . .
8	λ Tauri.	9	55 35.67	– 0.14	+ **2.31**	333 15 53.95	44.330	– 3.73	– 29.8	3 55 37.82	. . . . .	+12 14 1.3	. . . .
9	*A* Tauri.	9	59 16.26	– 0.19	+ **2.31**	342 51 54.90	43.968	– 3.73	– 18.2	3 59 18.36	. . . . .	+21 50 5.6	. . . .
10	151 H¹. Cephei.	9	7 46.83	– 7.18	+ 2.29	46 17 55.65	48.703	– 3.73	+1 2.3	4 7 41.94	. . . . .	+85 19 14.8	. . . .
11	ο² Eridani.	9	11 2.56	– 0.10	+ **2.31**	313 13 55.35	46.230	– 3.73	–1 3.0	4 11 4.75	. . . . .	– 7 47 47.0	. . . .
12	ν Eridani.	9	31 43.96	– 0.12	+ **2.29**	317 29 53.78	44.368	– 3.73	– 54.3	4 31 46.13	. . . . .	– 3 32 22.4	. . . .
13	53 Eridani.	9	33 58.54	– 0.11	+ **2.22**	306 33 51.75	43.795	– 3.73	–1 19.8	4 34 0.72	. . . . .	–14 29 3.0	. . . .
14	τ Tauri.	9	36 44.55	– 0.22	+ **2.36**	343 47 52.80	46.555	– 3.73	– 17.2	4 36 46.62	. . . . .	+22 47 3.6	. . . .
	February 10, M.												
15	Venus I, C.	9	22 54.42	0.00	+ 2.66	301 3 53.62	45.456	– 3.70	–1 37.7	20 22 57.08	+ 0.35	–19 58 41.0	. . . .
16	Venus II.	9	22 55.15	0.00	+ 2.66	. . . .	. . . . . .	. . . .	. . . . .	20 22 57.81	– 0.38	. . . .	. . . .
	February 11, M.												
17	Sun I, S.	9	37 46.16	0.00	+ 2.66	306 41 50.78	46.495	– 3.92	–1 18.8	21 37 48.82	+67.17	–14 20 1.1	. . . .
18	Sun II, N.	8	40 0.50	0.00	+ 2.66	307 13 52.88	47.420	– 3.92	–1 17.2	21 40 3.16	–67.17	–13 47 37.0	. . . .
19	δ Eridani.	9	38 50.26	– 0.04	+ **2.66**	310 57 53.92	44.875	– 4.31	–1 8.3	3 38 52.93	. . . . .	–10 4 25.3	. . . .
20	λ Tauri.	9	55 35.17	– 0.10	+ **2.73**	333 15 56.38	44.200	– 4.31	– 29.9	3 55 37.78	. . . . .	+12 14 0.1	. . . .
21	*A* Tauri.	9	59 15.77	– 0.14	+ **2.70**	342 51 55.75	43.905	– 4.31	– 18.3	3 59 18.34	. . . . .	+21 50 4.3	. . . .
22	151 H¹. Cephei.	9	7 45.50	– 6.92	+ 2.71	46 17 55.02	48.743	– 4.31	+1 2.5	4 7 41.29	. . . . .	+85 19 14.6	. . . .
23	ο² Eridani.	9	11 2.07	– 0.04	+ **2.70**	313 13 53.85	46.338	– 4.31	–1 3.2	4 11 4.74	. . . . .	– 7 47 47.0	. . . .
24	ν Eridani.	9	31 43.46	– 0.05	+ **2.68**	317 29 52.75	44.420	– 4.31	– 54.6	4 31 46.12	. . . . .	– 3 32 23.0	. . . .
25	53 Eridani.	9	33 57.98	– 0.04	+ **2.66**	306 33 52.48	43.810	– 4.31	–1 20.2	4 34 0.65	. . . . .	–14 29 2.7	. . . .
26	τ Tauri.	9	36 44.10	– 0.15	+ **2.70**	343 47 55.90	46.403	– 4.31	– 17.3	4 36 46.67	. . . . .	+22 47 2.4	. . . .
	February 11, P.												
27	Jupiter I, C.	5	54 24.45	– 0.04	+ 2.64	329 27 53.80	41.651	– 4.25	– 35.7	10 54 27.05	+ 1.59	+ 8 26 36.6	. . . .
28	Jupiter II.	5	54 27.64	– 0.04	+ 2.64	. . . .	. . . . . .	. . . .	. . . . .	10 54 30.24	– 1.60	. . . .	. . . .
29	δ Leonis.	9	9 14.38	– 0.10	+ **2.65**	342 1 54.90	47.272	– 4.25	– 19.6	11 9 16.92	. . . . .	+21 1 19.2	. . . .
30	δ Crateris.	9	14 45.40	0.00	+ **2.58**	306 45 53.90	43.538	– 4.25	–1 21.0	11 14 48.04	. . . . .	–14 17 8.5	. . . .
31	λ Draconis.	9	26 2.26	– 1.28	+ 2.64	30 49 56.90	46.350	– 4.25	+ 36.3	11 26 3.62	. . . . .	+69 49 55.9	. . . .
32	298 G. Hydræ.	9	44 7.17	– 0.01	+ 2.64	294 47 53.92	47.267	– 4.25	–2 10.5	11 44 9.80	– 0.53	–26 14 32.8	– 3.3
33	γ Ursæ Majoris.	9	49 2.20	– 0.54	+ 2.64	15 13 55.35	42.030	– 4.25	+ 16.6	11 49 4.30	. . . . .	+54 11 55.9	. . . .
34	γ Corvi.	9	11 5.23	0.00	+ **2.62**	303 59 55.88	46.475	– 4.25	–1 29.8	12 11 7.88	. . . . .	–17 2 7.9	. . . .
35	5 B. Ursæ Minoris.	9	14 38.78	–10.88	+ 2.65	47 55 54.48	46.251	– 4.25	+1 7.5	12 14 30.55	–19.21	+86 56 22.3	+ 9.6
36	33 H¹. Virginis.	9	23 9.06	– 0.01	+ 2.65	316 55 55.10	43.577	– 4.25	– 56.7	12 23 11.70	– 0.30	– 4 6 42.2	+ 1.6
37	21 Cassiopeiæ s. P.	9	39 27.91	+ 2.71	+ 2.65	66 29 54.08	43.327	– 4.25	+2 19.6	0 39 33.27	. . . . .	+74 29 32.5	. . . .
38	8 Draconis.	9	51 51.46	– 1.00	+ 2.65	26 55 54.12	46.172	– 4.25	+ 31.0	12 51 53.11	. . . . .	+65 55 43.8	. . . .
39	43 Comæ Berenices.	9	7 35.51	– 0.15	+ **2.65**	349 21 51.95	44.235	– 4.25	– 11.4	13 7 38.01	. . . . .	+28 20 15.0	. . . .
40	*i* Virginis.	9	21 52.06	0.00	+ 2.65	308 47 54.18	46.230	– 4.25	–1 15.4	13 21 54.71	– 0.02	–12 14 1.1	+ 9.6
41	350 G. Hydræ.	9	27 29.06	– 0.01	+ 2.65	292 49 54.10	45.735	– 4.25	–2 23.1	13 27 31.70	0.00	–28 13 20.2	– 5.5

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 32	. . . . . .	. . . .	39.4
6 5	29.725	40.1	38.7
7 20 8	29.886	38.0	37.0
8 21 28	29.87	39.8	39.7
3 36	29.916	39.5	38.9
3 54	. . . . . .	. . . .	38.4
4 15	. . . . . .	. . . .	38.0
4 28	. . . . . .	. . . .	38.0
4 38	29.904	38.9	37.8
10 20 23	29.725	38.2	37.2
11 21 40	29.712	40.0	38.5
3 37	29.835	36.8	36.0
3 54	. . . . . .	. . . .	35.5
4 41	29.87	35.5	34.7
10 52	29.970	29.9	29.3
11 16	. . . . . .	. . . .	29.0
11 28	. . . . . .	. . . .	28.9
11 51	29.990	29.4	28.2
12 9	. . . . . .	. . . .	28.0
12 25	. . . . . .	. . . .	28.1
12 54	30.004	28.8	27.7
13 10	. . . . . .	. . . .	28.0

Micrometer bisections are made at II, VI, except as noted below.

3, 15, 27.	Bisections at I, II, VI, VII.
5.	Bisections at II, III.
6, 23.	Bisections at VI, VII.
10.	Bisections at b_1, b_3, b_5, b_7, b_9.
17.	Bisections at I, II, III.
18.	Bisections at V, VI, VII.
22, 37.	Bisections at III, IV, V.
24, 25, 34.	Bisections at I, II.
26, 32, 36, 41.	Bisections at II, VI, VII.
27.	Z. D. threads A used.
31, 38.	Bisections at III, V.
35.	Bisections at b_3, b_5, b_7, b_9.

Note.
41. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 4.8	. . . . . .	0.0	+ 4.8
5	+ 7.2	+16 13.5	. . .	+16 20.7
6	+ 7.1	–16 13.4	. . .	–16 6.3
15	+ 4.7	. . . . . .	0.0	+ 4.7
17	+ 7.1	+16 12.1	. . .	+16 19.2
18	+ 7.1	–16 12.0	. . .	–16 4.9
27	+ 1.0	. . . . . .	. . .	+ 1.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	17 H. Canum Venaticorum.	9	30 42.05	− 0.24	+ 2.65	358 39 52.35	45.112	− 4.25	− 1.4	13 30 44.46	.....	+37 38 45.4	....
2	Moon II, S.	9	37 56.57	0.00	+ 2.66	308 23 54.55	46.532	− 4.32	−1 16.6	14 37 59.23	−63.55	−12 37 55.1	....
3	109 Virginis.	9	41 35.82	− 0.02	**+ 2.70**	323 17 54.60	46.318	− 4.32	− 45.3	14 41 38.46	.....	+ 2 16 31.4	....
4	8 Libræ.	9	45 35.89	0.00	**+ 2.73**	305 25 55.72	43.765	− 4.32	−1 25.3	14 45 38.55	.....	−15 37 5.8	....
5	ψ Boötis.	9	0 29.94	− 0.14	**+ 2.66**	348 19 54.15	43.450	− 4.32	− 12.5	15 0 32.46	.....	+27 17 58.1	....
6	β Libræ.	9	12 3.27	0.00	**+ 2.67**	311 59 55.12	43.665	− 4.32	−1 7.4	15 12 5.93	.....	− 9 2 50.8	....
7	β Coronæ Borealis.	9	24 1.62	− 0.16	**+ 2.74**	350 25 54.82	45.975	− 4.32	− 10.2	15 24 4.12	.....	+29 24 58.7	....
8	α Coronæ Borealis.	9	30 47.04	− 0.14	**+ 2.69**	348 1 54.48	46.338	− 4.32	− 12.8	15 30 49.56	.....	+27 1 4.1	....
9	151 H^1. Cephei S. P.	7	7 30.63	+ 7.93	+ 2.66	55 39 52.82	46.548	− 4.32	+1 29.4	4 7 41.22	.....	+85 19 10.1	....
	February 13, L.												
10	Sun I, S.	9	45 38.14	− 0.06	+ 2.77	307 21 53.28	45.813	− 2.92	−1 14.1	21 45 40.85	+66.91	−13 40 8.5	....
11	Sun II, N.	9	47 51.96	− 0.06	+ 2.77	307 53 54.38	46.848	− 2.92	−1 12.7	21 47 54.67	−66.91	−13 7 43.1	....
12	η Tauri.	9	42 1.14	− 0.23	**+ 2.84**	344 50 0.18	47.382	− 4.36	− 15.4	3 42 3.72	.....	+23 49 31.0	....
13	γ Eridani.	9	53 44.06	− 0.17	**+ 2.75**	307 15 53.08	45.785	− 4.40	−1 14.7	3 53 46.70	.....	−13 46 11.8	....
14	λ Tauri.	9	55 35.11	− 0.19	**+ 2.85**	333 15 51.82	44.395	− 4.40	− 28.7	3 55 37.73	.....	+12 14 1.1	....
15	A Tauri.	9	59 15.67	− 0.22	**+ 2.84**	342 51 56.35	43.898	− 4.41	− 17.5	3 59 18.27	.....	+21 50 5.4	....
16	151 H^1. Cephei.	7	7 43.89	− 6.08	+ 2.82	46 17 56.35	48.813	− 4.44	+ 59.9	4 7 40.63	.....	+85 19 15.0	....
17	α Tauri.	7	30 38.90	− 0.20	**+ 2.87**	337 19 55.20	48.310	− 4.50	− 23.8	4 30 41.52	.....	+16 19 38.7	....
18	τ Tauri.	8	36 44.02	− 0.22	**+ 2.82**	343 47 54.65	46.448	− 4.51	− 16.6	4 36 46.62	.....	+22 47 2.8	....
19	π^3 Orionis.	9	44 51.16	− 0.17	**+ 2.79**	327 49 56.95	44.835	− 4.52	− 35.9	4 44 53.81	.....	+ 6 48 9.0	....
20	ι Tauri.	9	57 36.51	− 0.22	**+ 2.88**	342 28	......	....	. ....	4 57 39.11	.....	+21 27	....
21	1 Geminorum.	9	58 32.81	− 0.23	**+ 2.91**	344 18	......	....	. ....	5 58 35.40	.....	+23 16	....
22	ν Orionis.	9	2 20.07	− 0.19	**+ 2.90**	335 48	......	....	. ....	6 2 22.70	.....	+14 46	....
	February 13, M.												
23	μ Hydræ.	9	21 39.34	− 0.16	**+ 2.90**	304 39 52.12	46.060	− 4.50	−1 23.7	10 21 42.13	.....	−16 22 15.7	....
24	Jupiter I, C.	5	53 31.29	− 0.16	+ 2.96	329 33 52.82	40.965	− 4.50	− 34.1	10 53 34.09	+ 1.49	+ 8 32 21.3	....
25	Jupiter II.	5	53 34.26	− 0.16	+ 2.96	... .	......	....	. ....	10 53 37.06	− 1.48	.. ..	....
26	θ Leonis.	9	9 25.90	− 0.18	**+ 2.90**	336 57 53.68	42.990	− 4.50	− 24.8	11 9 28.68	.....	+15 55 34.7	....
27	δ Crateris.	9	14 45.27	− 0.16	**+ 2.91**	306 45 49.95	43.560	− 4.50	−1 17.8	11 14 48.07	.....	−14 17 9.0	....
28	e Leonis.	9	25 37.67	− 0.15	+ 2.96	318 31 53.02	45.055	− 4.50	− 51.5	11 25 40.48	− 0.54	− 2 30 5.5	+ 2.1
29	β Leonis.	9	44 23.03	− 0.17	**+ 2.86**	336 5 55.35	46.128	− 4.50	− 25.8	11 44 25.82	.....	+15 4 47.0	....
30	Groombridge 1830.	9	47 42.52	− 0.30	+ 2.96	359 23 55.28	43.445	− 4.50	− 0.6	11 47 45.18	.....	+38 22 10.8	....
31	2 Canum Venaticorum.	9	11 32.31	− 0.33	+ 2.96	2 11 55.08	42.595	− 4.50	+ 2.3	12 11 34.94	.....	+41 9 54.0	....
32	323 G. Hydræ.	9	22 1.53	− 0.22	+ 2.96	288 43 54.38	46.656	− 4.50	−2 50.2	12 22 4.27	− 0.45	−32 19 26.1	− 5.2
33	21 Cassiopeiæ S. P.	8	39 27.83	+ 2.19	+ 2.96	66 29 53.65	43.603	− 4.50	+2 14.2	0 39 32.98	.....	+74 29 31.9	....
34	32^2 H. Camelopardalis.	9	48 37.07	− 4.39	+ 2.96	44 53 56.02	46.403	− 4.50	+ 58.4	12 48 35.64	.....	+83 54 18.0	....
35	α Ursæ Minoris S. P.	7	25 18.55	+24.69	+ 2.97	52 9 50.78	46.585	− 4.50	+1 15.6	1 25 46.21	.....	+88 49 25.5	....
36	κ Virginis.	9	7 59.44	− 0.15	**+ 2.95**	311 11 52.65	43.295	− 4.50	−1 6.9	14 8 2.26	.....	− 9 51 1.2	....
37	α Boötis.	9	11 27.83	− 0.19	**+ 2.97**	340 41 54.60	41.825	− 4.50	− 20.5	14 11 30.61	.....	+19 39 13.0	....
	February 16, P.												
38	Sun N.	.	.. ..	.....	....	308 55 51.10	45.302	− 2.91	−1 8.3	21 58	.....	−12 6 16.4	....
39	Sun S.	.	.. ..	.....	....	308 23 51.72	44.298	− 2.91	−1 9.6	.. ..	.....	−12 38 41.0	....
40	151 H^1. Cephei.	9	7 42.33	− 5.52	**+ 3.04**	46 19 50.08	43.706	− 2.08	+ 59.8	4 7 39.85	.....	+85 19 14.2	....
41	o^2 Eridani.	9	11 1.78	− 0.19	**+ 3.06**	313 13 52.50	46.192	− 2.08	−1 0.5	4 11 4.63	.....	− 7 47 46.6	....
42	ν Eridani.	5	31 43.21	− 0.19	**+ 2.99**	317 29 50.60	44.375	− 2.08	− 52.3	4 31 46.06	.....	− 3 32 22.0	....
43	τ Tauri.	9	36 43.76	− 0.25	**+ 3.06**	343 47 53.20	46.420	− 2.08	− 16.6	4 36 46.55	.....	+22 47 3.3	....
44	π^3 Orionis.	9	44 50.91	− 0.20	**+ 3.02**	327 49 52.62	44.955	− 2.08	− 35.9	4 44 53.75	.....	+ 6 48 9.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 13 33	30.012	28.5	29.0
14 33	30.036	29.2	28.2
14 52	......	....	28.3
15 11	......	....	28.7
15 32	[illegible]	28.8	28.1
16 11	30.024	28.0	27.2
13 21 48	29.87	57.7	58.8
3 43	29.935	58.3	58.7
4 11	......	....	57.2
4 38	......	....	56.7
4 46	29.95	56.8	56.2
10 21	30.00	49.5	49.4
10 50	......	....	49.1
11 13	30.01	48.8	48.2
11 42	......	....	47.2
12 15	29.99	47.7	46.7
12 45	......	....	46.5
13 26	30.025	46.8	46.1
14 15	......	....	45.1
16 22 0	29.48	[illegible]	65.4
4 3	[illegible]	53.1	50.0
4 28	......	....	48.5
4 43	......	....	48.0

Micrometer bisections are made at II, VI, except as noted below.

2. Bisections at II, III, IV, V, VI.
9. Bisections at b_1, b_3, b_7, b_9.
10. Bisections at I, II, III.
11. Bisections at V, VI, VII.
16. Bisections at b_1, b_4, b_7.
23, 37, 39, 42. Bisections at VI, VII.
24. Z. D. threads A used.
24, 32. Bisections at I, II, VI, VII.
33. Bisections at II, IV, VI.
34. Bisections at III, IV, V.
35. Bisections at b_4, b_5, b_6.
36, 38. Bisections at I, II.
40. Bisections at b_1, b_3, b_5, b_7, b_9.
43. Bisection at II.

Notes.

9, 12, 16, 17, 18, 36, 42, 43. Clouds.
35. Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+43 2.2	+15 3.5	...	+58 5.7
10	+ 7.0	+16 12.7	...	+16 19.7
11	+ 7.0	−16 12.7	...	−16 5.7
24	+ 1.0	.. ....	...	+ 1.0
38	+ 6.9	−16 12.3	...	−16 5.4
39	+ 6.9	+16 12.3	...	+16 19.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Read-ing.	Zenith Pt. Corr.	Refrac-tion.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	π⁵ Orionis	9	49 27.62	− 0.20	+ 3.05	323 19 51.90	43.518	− 2.08	− 42.6	4 49 30.47	.....	+ 2 17 29.6	....
2	ε Ursæ Minoris s. p.	9	55 7.12	+ 3.69	+ 3.05	58 47 49.55	46.955	− 2.08	+1 34.7	16 55 13.86	.....	+82 10 56.7	....
3	β Eridani	9	3 19.58	− 0.19	+ 3.10	315 49 54.50	44.500	− 2.08	− 55.6	5 3 22.44	.....	− 5 12 18.3	....
4	ε Orionis	9	31 32.93	− 0.19	+ 3.04	319 45 52.10	46.075	− 2.08	− 48.7	5 31 35.79	.....	− 1 15 37.9	....
	February 17, L.												
5	Sun I	9	1 12.77	− 0.12	+ 3.11	309 0	......	....	. ....	22 1 15.76	+66.58	.. ..	....
6	Sun II	9	3 25.92	− 0.12	+ 3.11	... .	......	....	. ....	22 3 28.91	−66.57	.. ..	....
7	151 H¹. Cephei	8	7 43.51	− 7.01	+ 3.14	46 17 52.90	48.750	− 2.68	+1 2.4	4 7 39.64	.....	+85 19 14.5	....
8	o² Eridani	9	11 1.67	− 0.16	+ 3.12	313 13 52.20	46.330	− 2.69	−1 3.1	4 11 4.65	.....	− 7 47 46.9	....
9	δ Tauri	9	17 37.78	− 0.24	+ 3.13	338 22	......	....	. ....	4 17 40.68	.....	+17 19	....
10	ε Tauri	9	23 14.76	− 0.25	+ 3.17	340 0	......	....	. ....	4 23 17.65	.....	+18 58	....
11	ν Eridani	9	31 43.07	− 0.17	+ 3.09	317 29 51.75	44.438	− 2.76	− 54.5	4 31 46.04	.....	− 3 32 22.1	....
12	τ Tauri	9	36 43.67	− 0.27	+ 3.15	343 47 54.25	46.465	− 2.78	− 17.3	4 36 46.54	.....	+22 47 3.8	....
13	μ Eridani	9	40 53.94	− 0.17	+ 3.11	317 36	......	....	. ....	4 40 56.91	.....	− 3 25	....
14	ε Ursæ Minoris s. p.	8	55 6.57	+ 4.67	+ 3.14	58 47 49.88	46.807	− 2.84	+1 38.7	16 55 14.38	.....	+82 10 56.7	....
15	ε Orionis	9	31 32.81	− 0.18	+ 3.14	319 45 53.58	46.160	− 2.98	− 50.5	5 31 35.78	.....	− 1 15 37.1	....
16	1 Geminorum	9	58 32.51	− 0.27	+ 3.20	344 18	......	....	. ....	5 58 35.39	.....	+23 16	....
17	ν Orionis	9	2 19.76	− 0.23	+ 3.21	335 48	......	....	. ....	6 2 22.68	.....	+14 46	....
	February 17, M.												
18	Jupiter I, C.	5	51 41.26	− 0.16	+ 3.28	329 43 50.95	45.728	− 3.50	− 35.0	10 51 44.38	+ 1.52	+ 8 44 8.4	....
19	Jupiter II	5	51 44.30	− 0.16	+ 3.28	... .	......	....	. ....	10 51 47.42	− 1.52	.. ..	....
20	2 Canum Venaticorum	9	11 32.13	− 0.39	+ 3.29	2 11 52.68	42.642	− 3.50	+ 2.4	12 11 35.03	.....	+41 9 53.9	....
21	η Virginis	9	15 12.39	− 0.15	+ 3.26	320 51 51.25	46.032	− 3.50	− 49.0	12 15 15.53	.....	− 0 9 41.4	....
22	323 G. Hydræ	9	22 1.31	− 0.18	+ 3.29	288 43 51.25	46.913	− 3.50	−2 56.0	12 22 4.42	− 0.55	−32 19 28.1	− 4.0
23	δ Corvi	9	25 6.61	− 0.14	+ 3.25	305 1 51.42	45.498	− 3.50	−1 25.9	12 25 9.76	.....	−16 0 30.3	....
24	21 Cassiopeiæ s. p.	9	39 27.14	+ 2.51	+ 3.29	66 29 49.65	43.542	− 3.50	+2 18.7	0 39 32.94	.....	+74 29 32.1	....
25	8 Draconis	9	51 51.09	− 1.07	+ 3.29	26 55 51.62	46.260	− 3.50	+ 30.8	12 51 53.31	.....	+65 55 43.9	....
26	43 Comæ Berenices	9	7 35.12	− 0.27	+ 3.33	349 21 51.95	44.115	− 3.50	− 11.3	13 7 38.14	.....	+28 20 13.1	....
27	38 Cassiopeiæ s. p.	9	24 18.08	+ 2.01	+ 3.29	71 9 47.58	46.228	− 3.50	+2 56.2	1 24 23.38	.....	+69 47 55.3	....
28	α Ursæ Minoris s. p.	7	25 12.86	+28.80	+ 3.29	52 9 48.20	46.530	− 3.50	+1 17.9	1 25 44.95	.....	+88 49 24.9	....
29	d Boötis	9	6 12.07	− 0.25	+ 3.32	346 31 53.92	46.710	− 3.50	− 14.4	14 6 15.11	.....	+25 31 11.2	....
30	ι Virginis	9	11 11.30	− 0.14	+ 3.26	315 27 49.32	45.695	− 3.50	− 59.2	14 11 14.45	.....	− 5 34 1.2	....
31	109 Virginis	9	41 35.56	− 0.15	+ 3.27	323 17 51.02	46.338	− 3.60	− 44.9	14 41 38.70	.....	+ 2 16 29.4	....
32	57 B. Ursæ Minoris	8	6 37.80	−13.48	+ 3.30	48 33 52.28	47.272	− 3.60	+1 8.5	15 6 27.62	.....	+87 34 44.8	....
33	α Coronæ Borealis	9	30 46.69	− 0.26	+ 3.35	348 1 52.78	46.270	− 3.60	− 12.8	15 30 49.73	.....	+27 1 1.6	....
34	β Serpentis	9	41 55.67	− 0.20	+ 3.37	336 43 49.35	44.872	− 3.60	− 26.0	15 41 58.77	.....	+15 42 13.0	....
35	ε Serpentis	9	46 13.15	− 0.16	+ 3.23	325 45 50.20	47.438	− 3.60	− 41.2	15 46 16.29	.....	+ 4 44 57.3	....
36	γ Serpentis	9	52 11.41	− 0.20	+ 3.26	336 59 52.25	42.390	− 3.60	− 25.7	15 52 14.51	.....	+15 57 19.5	....
37	151 H¹. Cephei s. p.	9	7 29.56	+ 7.49	+ 3.30	55 39 47.40	46.763	− 3.60	+1 29.0	4 7 40.35	.....	+85 19 10.3	....
38	ε Ursæ Minoris	9	55 14.91	− 3.95	+ 3.30	43 11 51.75	43.243	− 3.60	+ 57.0	16 55 14.26	.....	+82 11 1.0	....
39	Venus I, C.	9	58 54.20	− 0.13	+ 3.30	303 3 48.95	44.811	− 3.69	−1 29.7	20 58 57.37	+ 0.32	−17 58 52.4	....
40	Venus II	9	58 54.87	− 0.13	+ 3.30	... .	......	....	. ....	20 58 58.04	− 0.35	.. ..	....
41	Mercury II, C.	9	6 25.57	− 0.13	+ 3.30	307 45 48.00	45.975	− 3.69	−1 15.4	21 6 28.74	− 0.33	−13 16 12.5	....
	February 18, M.												
42	Sun I, N.	9	5 4.55	− 0.13	+ 3.31	309 37 51.00	45.307	− 4.17	−1 10.1	22 5 7.73	+66.35	−11 24 19.6	....
43	Sun II, S.	9	7 17.24	− 0.13	+ 3.31	309 5 53.00	44.368	− 4.17	−1 11.5	22 7 20.42	−66.34	−11 56 41.2	....
44	151 H¹. Cephei	9	7 43.06	− 6.53	+ 3.31	46 19 53.45	43.627	− 3.59	+1 1.4	4 7 39.84	.....	+85 19 15.8	....
45	o² Eridani	9	11 1.44	− 0.15	+ 3.32	313 13 51.08	46.372	− 3.59	−1 2.1	4 11 4.60	.....	− 7 47 47.0	....
46	53 Eridani	9	33 57.40	− 0.15	+ 3.23	306 33 49.20	43.835	− 3.59	−1 18.9	4 34 0.56	.....	−14 29 3.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 5 5	29.462	50.0	46.9
5 33	29.476	48.2	45.0
17 4 3	29.90	38.1	37.0
4 36	....	....	35.8
4 58	29.91	36.0	34.9
5 30	29.91	35.0	34.0
10 52	29.94	31.7	31.7
12 9	29.95	30.8	30.8
12 37	....	....	30.2
13 14	29.96	30.7	30.7
14 9	29.965	31.6	31.2
15 2	....	....	31.9
15 29	29.99	[illegible]	29.3
16 12	30.00	30.3	29.0
16 58	30.00	30.8	29.8
20 59	30.045	45.8	46.1
21 6	....	....	46.1
18 22 7	30.022	48.1	49.0
4 2	29.945	46.7	45.7
4 25	....	....	44.0

Micrometer bisections are made at II, VI, except as noted below.

2, 24, 25, 27, 37, 38, 44.	Bisections at III, IV, V.
7, 14.	Bisections at b_4, b_5, b_6.
18.	Z. D. threads A used.
18, 39, 41.	Bisections at I, II, VI, VII.
20, 46.	Bisections at I, II.
22.	Bisections at I, II, VII.
28.	Bisections at b_1, b_2, b_3.
29.	Bisections at II, VI, VII.
32.	Bisections at IV, V.
42.	Bisections at I, II, III.
43.	Bisections at V, VI, VII.

Note.

18. Micrometer reading decreased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
18	+ 1.0	.. ..	...	+ 1.0
39	+ 4.6	.. ..	0.0	+ 4.6
41	+ 10.5	.. ..	− 0.2	+ 10.3
42	+ 6.8	−16 10.7	...	−16 3.9
43	+ 6.9	+16 10.8	...	+16 17.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	τ Tauri	9	36 43.44	− 0.23	+ **3.33**	343 47 53.35	46.465	− 3.59	− 17.0	4 36 46.52	....	+22 47 2.4	....
2	π^3 Orionis	9	44 50.56	− 0.16	+ **3.30**	327 49 51.85	45.048	− 3.59	− 36.9	4 44 53.72	....	+ 6 48 8.7	....
3	ε Ursæ Minoris s. p.	9	55 6.58	+ 4.44	+ 3.32	58 47 52.00	46.863	− 3.59	+1 37.1	16 55 14.34	....	+82 10 55.4	....
4	β Eridani	9	3 19.27	− 0.15	+ **3.34**	315 49 52.60	44.682	− 3.59	− 57.0	5 3 22.44	....	− 5 12 19.0	....
5	ι Orionis	9	30 55.80	− 0.15	+ **3.28**	315 3 51.72	44.980	− 3.59	− 58.6	5 30 58.97	....	− 5 58 14.7	....
	February 18, P.												
6	μ Hydræ	9	21 38.95	− 0.11	+ **3.28**	304 39 53.15	45.965	− 3.83	−1 25.0	10 21 42.08	....	−16 22 17.3	....
7	Jupiter I, C	5	51 13.16	− 0.13	+ 3.24	329 47 50.35	43.039	− 3.83	− 34.3	10 51 16.27	+ 1.61	+ 8 47 6.7	....
8	Jupiter II	5	51 16.38	− 0.13	+ 3.24	... .	......	....	. ....	10 51 19.49	− 1.61	.. ..	....
9	δ Crateris	9	14 44.93	− 0.10	+ **3.26**	306 45 50.80	43.482	− 3.83	−1 18.8	11 14 48.07	....	−14 17 10.2	....
10	γ Corvi	9	11 4.83	− 0.09	+ **3.25**	303 59 52.08	46.396	− 3.83	−1 27.2	12 11 7.98	....	−17 2 10.7	....
11	i Virginis	9	21 51.71	− 0.07	+ 3.25	308 47 52.80	46.090	− 3.83	−1 13.2	13 21 54.89	− 0.20	−12 14 3.1	+10.9
12	ι Virginis	9	11 11.27	− 0.07	+ **3.25**	315 27 52.28	45.492	− 3.96	− 58.0	14 11 14.45	....	− 5 34 2.2	....
13	109 Virginis	9	41 35.48	− 0.08	+ 3.25	323 17 52.35	46.252	− 3.96	− 44.0	14 41 38.65	....	+ 2 16 29.2	....
14	β Libræ	7	12 3.01	− 0.07	+ **3.22**	311 59 53.30	43.562	− 3.96	−1 5.6	15 12 6.19	....	− 9 2 53.0	....
15	α Coronæ Borealis	6	30 46.69	− 0.18	+ **3.31**	348 1 51.72	46.352	− 3.96	− 12.5	15 30 49.76	....	+27 1 2.1	....
	February 19, L.												
16	57 B. Ursæ Minoris	9	6 24.56	−12.71	+**17.37**	48 33 53.32	47.332	− 4.64	+1 5.2	15 6 29.22	....	+87 34 43.3	....
17	β Libræ	9	11 49.01	− 0.16	+**17.34**	311 59 52.60	43.540	− 4.64	−1 3.6	15 12 6.22	....	− 9 2 52.7	....
18	α Coronæ Borealis	9	30 32.71	− 0.23	+**17.40**	348 1 54.08	46.298	− 4.64	− 12.1	15 30 49.82	....	+27 1 3.2	....
19	α Serpentis	9	39 29.52	− 0.18	+**17.35**	327 44	......	....	. ....	15 39 46.71	....	+ 6 42	....
20	β Serpentis	9	41 41.65	− 0.21	+**17.46**	336 43 51.98	44.788	− 4.64	− 24.7	15 41 58.81	....	+15 42 14.0	....
21	ε Serpentis	9	45 59.09	− 0.18	+**17.37**	325 45 51.78	47.335	− 4.64	− 39.1	15 46 16.28	....	+ 4 44 57.6	....
22	γ Serpentis	9	51 57.35	− 0.21	+**17.39**	336 57 53.52	47.622	− 4.64	− 24.4	15 52 14.51	....	+15 57 20.6	....
23	β^1 Scorpii	9	59 50.81	− 0.17	+**17.30**	301 29 51.65	43.556	− 4.64	−1 33.6	16 0 8.01	....	−19 33 23.3	....
24	151 H^1. Cephei s. p.	9	7 14.33	+ 7.05	+17.37	55 39 53.25	46.725	− 4.64	+1 24.5	4 7 38.75	....	+85 19 11.2	....
25	ε Ursæ Minoris	9	55 0.86	− 3.73	+17.38	43 11 53.75	43.286	− 4.64	+ 54.2	16 55 14.51	....	+82 10 59.7	....
	February 20, L.												
26	151 H^1. Cephei	9	7 28.11	− 6.41	+17.44	46 19 55.98	43.587	− 4.72	+1 0.1	4 7 39.14	....	+85 19 15.3	....
27	ε Tauri	9	23 0.33	− 0.20	+**17.50**	339 59 53.45	46.022	− 4.72	− 20.8	4 23 17.57	....	+18 58 47.5	....
28	ν Eridani	9	31 28.67	− 0.14	+**17.41**	317 29 52.12	44.402	− 4.72	− 52.4	4 31 45.97	....	− 3 32 22.4	....
29	53 Eridani	9	33 43.22	− 0.14	+**17.36**	306 33 49.75	43.809	− 4.72	−1 17.1	4 34 0.52	....	−14 29 3.0	....
30	π^3 Orionis	9	44 36.38	− 0.16	+**17.44**	327 49 53.05	45.042	− 4.72	− 36.0	4 44 53.66	....	+ 6 48 9.5	....
31	ε Ursæ Minoris s. p.	7	54 52.78	+ 4.36	+17.44	58 47 53.08	46.909	− 4.72	+1 34.9	16 55 14.58	....	+82 10 56.1	....
32	β Eridani	9	3 5.05	− 0.14	+**17.51**	315 49 52.35	44.732	− 4.72	− 55.7	5 3 22.35	....	− 5 12 17.9	....
33	β Orionis	9	9 52.44	− 0.14	+**17.47**	312 43 50.90	44.582	− 4.72	−1 2.1	5 10 9.74	....	− 8 18 29.2	....
34	ι Orionis	9	30 41.60	− 0.14	+**17.44**	315 3 51.82	45.005	− 4.72	− 57.3	5 30 58.91	....	− 5 58 13.8	....
35	Jupiter I, C	5	50 2.08	− 0.17	+17.46	329 51 52.58	48.309	− 5.09	− 33.6	10 50 19.37	+ 1.59	+ 8 53 8.8	....
36	Jupiter II	5	50 5.25	− 0.17	+17.46	... .	......	....	. ....	10 50 22.54	− 1.58	.. ..	....
	February 20, M.												
37	ι Virginis	9	10 57.04	− 0.12	+**17.59**	315 27 51.35	45.523	− 5.04	− 57.4	14 11 14.51	....	− 5 34 2.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 4 40	29.945	44.8	43.4
5 0	......	....	43.0
5 32	29.935	43.8	42.2
10 19	29.864	40.0	39.8
10 53	29.854	40.5	39.7
11 16	......	....	39.4
12 13	29.826	39.9	39.0
13 23	29.798	40.0	38.5
14 13	29.790	39.5	38.0
14 40	......	....	37.6
15 14	29.771	39.0	37.4
15 33	29.761	39.1	38.0
19 15 1	29.20	44.1	43.0
15 13	......	....	42.6
15 32	......	....	42.0
15 43	......	....	41.7
15 53	......	....	41.4
16 10	29.23	42.1	41.0
16 57	29.25	42.6	42.1
20 4 3	29.49	48.9	48.0
4 24	......	....	48.0
4 35	......	....	47.8
4 58	......	....	47.1
5 7	......	....	47.0
5 32	29.50	47.0	46.1
10 51	29.60	43.4	44.0
14 14	29.64	39.3	41.2

Micrometer bisections are made at II, VI, except as noted below.

3.	Bisections at III, IV, V.
7, 35.	Z. D. threads A used.
7, 10, 23, 29, 35.	Bisections at I, II, VI, VII.
12, 37.	Bisections at II, VI, VII.
14, 15.	Bisections at VI, VII.
16, 24, 26.	Bisections at b_4, b_5, b_6.
25, 31.	Bisections at II, III, V, VI.

Notes.

14, 15, 26, 31.	Clouds.
16, 17, 19, 20.	Diffuse.
21, 29.	Faint.
23.	Through clouds; varying brightness.
25.	Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 1.0	.. ....	...	+ 1.0
35	+ 1.0	.. ....	...	+ 1.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Dec.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	57 B. Ursæ Minoris	9	6 25.83	−12.44	+17.59	48 33 51.52	47.475	− 5.04	+1 6.2	15 6 30.98	....	+87 34 44.8	....
2	α Coronæ Borealis	9	30 32.47	− 0.21	**+17.62**	348 1 53.42	46.288	− 5.04	− 12.3	15 30 49.85	....	+27 1 1.7	....
3	α Serpentis	9	39 29.27	− 0.13	**+17.58**	327 43 50.30	46.258	− 5.04	− 36.9	15 39 46.74	....	+ 6 42 33.2	....
4	μ Serpentis	9	44 34.25	− 0.12	**+17.61**	317 53 50.15	42.292	− 5.04	− 52.9	15 44 51.73	....	− 3 9 13.2	....
5	ε Serpentis	9	45 58.87	− 0.12	**+17.56**	325 45 49.78	47.417	− 5.04	− 39.8	15 46 16.35	....	+ 4 44 56.5	....
6	γ Serpentis	9	51 57.14	− 0.16	**+17.58**	336 57 51.25	47.682	− 5.04	− 24.9	15 52 14.58	....	+15 57 18.8	....
	February 24, M.												
7	μ Hydræ	9	21 24.46	− 0.16	**+17.86**	304 39 51.38	46.022	− 5.34	−1 23.5	10 21 42.17	....	−16 22 17.8	....
8	γ Corvi	.	.. ..	.....	.....	303 59 49.55	46.488	− 5.34	−1 26.2	12 11	....	−17 2 11.7	....
9	η Virginis	9	14 57.92	− 0.15	**+17.86**	320 51 51.80	45.978	− 5.34	− 47.4	12 15 15.64	....	− 0 9 42.3	....
10	δ Corvi	9	24 52.09	− 0.16	**+17.92**	305 1 50.30	45.482	− 5.34	−1 23.1	12 25 9.80	....	−16 0 30.8	....
11	ι Virginis	9	10 56.87	− 0.15	**+17.89**	315 27 50.00	45.638	− 5.58	− 57.8	14 11 14.59	....	− 5 34 2.5	....
12	57 B. Ursæ Minoris	9	6 26.33	−11.59	+17.88	48 33 52.02	47.420	− 5.58	+1 7.1	15 6 32.62	....	+87 34 45.0	....
13	α Coronæ Borealis	9	30 32.31	− 0.22	**+17.92**	348 1 53.42	46.278	− 5.32	− 12.5	15 30 49.97	....	+27 1 1.0	....
14	β Serpentis	7	41 41.27	− 0.18	**+17.96**	336 43 51.40	44.782	− 5.20	− 25.5	15 41 58.97	....	+15 42 11.8	....
15	ε Serpentis	9	45 58.75	− 0.16	**+17.84**	325 45 51.15	47.393	− 5.15	− 40.3	15 46 16.47	....	+ 4 44 56.7	....
16	γ Serpentis	9	51 57.08	− 0.18	**+17.79**	336 57 51.50	47.675	− 5.08	− 25.2	15 52 14.78	....	+15 57 18.5	....
17	151 H^1. Cephei s. p.	9	7 12.72	+ 6.42	+17.88	55 39 51.15	46.712	− 4.91	+1 27.1	4 7 37.02	....	+85 19 10.9	....
18	γ Herculis	9	17 36.28	− 0.19	**+17.83**	340 23 51.95	43.445	− 4.80	− 21.1	16 17 53.97	....	+19 21 46.6	....
19	ε Ursæ Minoris	9	55 1.10	− 3.32	+17.88	43 11 50.88	43.340	− 4.56	+ 56.1	16 55 15.66	....	+82 11 0.5	....
	February 25, M.												
20	Sun S	.	.. ..	.....	.....	311 37 54.28	45.002	− 4.65	−1 7.0	22 32	....	− 9 24 20.5	....
21	Sun N	.	.. ..	.....	.....	312 9 50.52	46.038	− 4.65	−1 5.7	.. ..	....	− 8 52 0.3	....
22	151 H^1. Cephei	9	7 26.61	− 6.78	+17.92	46 19 56.70	43.408	− 3.54	+1 3.2	4 7 37.75	....	+85 19 15.9	....
23	π^3 Orionis	9	44 35.84	− 0.16	**+17.90**	327 49 51.20	45.115	− 3.54	− 37.9	4 44 53.60	....	+ 6 48 8.6	....
24	ε Ursæ Minoris s. p.	9	54 52.91	+ 4.62	+17.92	58 47 53.88	46.693	− 3.54	+1 39.8	16 55 15.45	....	+82 10 54.7	....
25	β Eridani	9	3 4.58	− 0.15	**+17.91**	315 49 51.25	44.835	− 3.54	− 58.6	5 3 22.35	....	− 5 12 18.4	....
26	γ Orionis	9	19 57.07	− 0.16	**+17.90**	327 17 52.38	44.812	− 3.54	− 38.8	5 20 14.83	....	+ 6 16 2.0	....
27	ι Orionis	9	30 41.06	− 0.15	**+17.92**	315 3 51.08	45.048	− 3.54	−1 0.3	5 30 58.83	....	− 5 58 15.2	....
28	ε Orionis	9	31 17.89	− 0.15	**+17.91**	319 45 50.28	46.282	− 3.54	− 51.1	5 31 35.66	....	− 1 15 39.0	....
29	ζ Orionis	9	35 52.14	− 0.15	**+17.97**	319 1 50.30	46.765	− 3.54	− 52.5	5 36 9.91	....	− 1 59 29.2	....
	February 25, P.												
30	μ Hydræ	9	21 24.36	− 0.03	**+17.84**	304 39 51.80	46.080	− 2.94	−1 27.9	10 21 42.16	....	−16 22 18.1	....
31	Jupiter I, C.	5	47 36.93	− 0.06	+17.83	330 7 54.42	46.061	− 3.04	− 34.9	10 47 54.70	+ 1.60	+ 9 8 20.0	....
32	Jupiter II	5	47 40.14	− 0.06	+17.83	... .	......	....	. ....	10 47 57.91	− 1.61	.. ..	....
33	d Leonis	9	55 34.65	− 0.05	**+17.86**	325 7 53.48	45.720	− 3.10	− 42.5	10 55 52.43	....	+ 4 6 20.6	....
34	δ Leonis	9	8 59.41	− 0.12	**+17.85**	342 1 53.95	47.250	− 3.19	− 19.7	11 9 17.12	....	+21 1 18.7	....
35	δ Crateris	9	14 30.32	− 0.03	**+17.88**	306 45 51.35	43.535	− 3.23	−1 21.5	11 14 48.12	....	−14 17 10.6	....
36	ι Virginis	9	10 56.87	− 0.01	**+17.78**	315 27 54.68	45.485	− 4.23	−1 0.1	14 11 14.70	....	− 5 34 2.3	....
37	β Libræ	9	11 48.56	− 0.01	**+17.82**	311 59 53.62	43.632	− 4.23	−1 7.8	15 12 6.39	....	− 9 2 53.4	....
38	α Coronæ Borealis	9	30 32.34	− 0.14	**+17.85**	348 1 54.65	46.242	− 4.23	− 12.9	15 30 50.04	....	+27 1 2.1	....
39	β Serpentis	9	41 41.27	− 0.08	**+17.89**	336 43 53.05	44.735	− 4.23	− 26.3	15 41 59.03	....	+15 42 12.7	....
40	ε Serpentis	9	45 58.69	− 0.03	**+17.80**	325 45 52.95	47.365	− 4.23	− 41.6	15 46 16.50	....	+ 4 44 57.4	...
41	γ Serpentis	9	51 56.99	− 0.08	**+17.81**	336 57 55.05	47.560	− 4.23	− 26.0	15 52 14.75	....	+15 57 19.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 14 59	29.655	40.6	42.1
15 29	......	....	42.2
15 51	......	....	39.5
16 11	29.675	40.2	39.1
24 10 21	29.37	42.2	40.3
12 11	29.42	40.1	37.8
12 36	......	....	37.2
14 11	29.475	36.7	34.7
14 58	......	....	33.8
15 26	29.52	34.8	32.9
16 3	......	....	31.9
16 20	29.57	33.8	31.7
16 55	29.595	33.3	30.8
25 22 34	29.746	35.0	33.0
4 3	29.82	31.9	30.2
4 43	29.84	30.8	29.1
5 22	......	....	28.2
5 40	29.865	28.6	28.1
10 19	29.916	27.0	25.4
10 50	......	....	25.0
11 3	......	....	24.8
11 16	29.913	26.1	25.0
14 9	29.910	24.5	23.5
15 13	29.894	25.0	23.7
15 34	......	....	23.2

Micrometer bisections are made at II, VI, except as noted below.

1, 17, 19, 22, 24.	Bisections at III, IV, V.
3, 8, 18.	Bisections at II, VI, VII.
4, 20, 27.	Bisections at I, II.
5, 10, 15.	Bisections at I, II, VI.
12.	Bisections at b_4, b_5, b_6.
14.	Bisections at III, VI, VII.
21, 28.	Bisections at VI, VII.
31.	Z. D. threads A used.
31.	Bisections at I, II, VI, VII.
41.	Bisections at II, VII.

Notes.

2.	Haze.
3-5, 8, 10, 14.	Clouds.
7-19.	Conditions poor; high wind.
22.	Very faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
20	+ 6.6	+16 10.1	...	+16 16.7
21	+ 6.5	−16 10.0	...	−16 3.5
31	+ 1.0	.. ....	...	+ 1.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	151 H¹. Cephei s. P.	9	7 12.00	+ 7.92	+17.85	55 39 53.32	46.462	− 4.23	+1 29.8	4 7 37.77	.....	+85 19 11.2	....
2	γ Herculis	9	17 36.17	− 0.10	**+17.88**	340 23 52.42	43.460	− 4.23	− 21.8	16 17 53.92	.....	+19 21 47.4	....
3	ε Ursæ Minoris	9	55 1.72	− 4.05	+17.85	43 11 53.15	43.118	− 4.23	+ 57.7	16 55 15.52	.....	+82 10 59.6	....
4	Venus I, C	9	38 40.27	+ 0.05	+17.85	305 49 53.88	48.258	− 3.46	−1 22.4	21 38 58.17	+ 0.51	−15 11 21.2	....
5	Venus II	9	38 41.32	+ 0.05	+17.85	... .	......	....	.....	21 38 59.22	− 0.54	.. ..	....
	February 26, P.												
6	Sun I, S	9	35 21.79	+ 0.04	+17.85	311 59 53.00	45.947	− 3.79	−1 5.5	22 35 39.68	+65.78	− 9 1 58.0	....
7	Sun II, N	9	37 33.34	+ 0.04	+17.85	312 31 53.68	46.817	− 3.79	−1 4.3	22 37 51.23	−65.77	− 8 29 35.6	....
8	Moon I, S	9	15 15.04	− 0.18	+17.86	340 15 52.40	46.500	− 4.01	− 20.4	4 15 32.72	+69.24	+19 14 58.5	....
9	ε Ursæ Minoris s. P.	9	54 52.66	+ 5.20	+17.86	58 47 52.20	46.927	− 4.01	+1 36.4	16 55 15.72	.....	+82 10 54.9	....
10	β Eridani	9	3 4.49	− 0.08	**+17.91**	315 49 54.68	44.585	− 4.01	− 56.6	5 3 22.27	.....	− 5 12 19.2	....
11	β Orionis	9	9 51.91	− 0.07	**+17.83**	312 43 51.88	44.495	− 4.01	−1 3.0	5 10 9.70	.....	− 8 18 30.5	....
12	β Tauri	9	20 14.45	− 0.25	**+17.87**	349 33 51.00	43.525	− 4.01	− 10.7	5 20 32.06	.....	+28 31 58.7	....
13	ι Orionis	9	30 41.02	− 0.08	**+17.87**	315 3 52.45	44.950	− 4.01	− 58.4	5 30 58.80	.....	− 5 58 14.7	....
14	ε Orionis	9	31 17.83	− 0.09	**+17.89**	319 45 51.80	46.168	− 4.01	− 49.5	5 31 35.60	.....	− 1 15 39.0	....
15	ζ Orionis	9	35 52.16	− 0.09	**+17.87**	319 1 52.72	46.612	− 4.01	− 50.9	5 36 9.93	.....	− 1 59 29.1	....
16	κ Orionis	9	43 8.67	− 0.07	**+17.83**	311 19 53.82	45.400	− 4.01	−1 6.7	5 43 26.46	.....	− 9 42 11.5	....
	February 26, L.												
17	57 B. Ursæ Minoris	9	6 29.72	−15.28	+17.86	48 33 54.30	47.235	− 4.21	+1 7.2	15 6 32.30	.....	+87 34 44.5	....
18	α Coronæ Borealis	9	30 32.39	− 0.21	**+17.90**	348 1 55.38	46.180	− 4.21	− 12.5	15 30 50.04	.....	+27 1 1.8	....
19	α Serpentis	9	39 29.11	− 0.08	**+17.86**	327 43 54.18	46.112	− 4.21	− 37.3	15 39 46.89	.....	+ 6 42 34.3	....
20	μ Serpentis	9	44 34.14	− 0.05	**+17.83**	317 51 53.75	47.395	− 4.21	− 53.4	15 44 51.95	.....	− 3 9 12.7	....
21	ε Serpentis	9	45 58.72	− 0.07	**+17.84**	325 45 53.82	47.240	− 4.21	− 40.2	15 46 16.51	.....	+ 4 44 56.8	....
22	151 H¹. Cephei s. P.	8	7 10.75	+ 8.59	+17.86	55 39 52.32	46.633	− 4.21	+1 26.8	4 7 37.20	.....	+85 19 11.5	....
23	ε Ophiuchi	9	13 12.08	− 0.04	**+17.84**	316 33 52.45	44.600	− 4.21	− 56.0	16 13 29.90	.....	− 4 28 20.7	....
24	γ Herculis	9	17 36.27	− 0.13	**+17.84**	340 23 53.88	43.355	− 4.21	− 21.1	16 17 54.00	.....	+19 21 47.2	....
25	β Herculis	6	26 0.32	− 0.14	**+17.86**	342 41 54.78	46.545	− 4.21	− 18.4	16 26 18.04	.....	+21 41 3.4	....
26	ε Ursæ Minoris	9	55 2.36	− 4.40	+17.86	43 11 55.82	43.080	− 4.21	+ 55.7	16 55 15.82	.....	+82 10 59.5	....
27	Venus I, C	7	43 35.28	+ 0.02	+17.85	306 13 51.85	45.441	− 3.73	−1 18.4	21 43 53.15	+ 0.42	−14 48 23.9	....
28	Venus II	7	43 36.15	+ 0.02	+17.85	... .	......	....	.....	21 43 54.02	− 0.45	.. ..	....
	February 27, L.												
29	Sun I, S	9	39 8.05	+ 0.01	+17.85	312 21 53.55	47.037	− 3.97	−1 2.4	22 39 25.91	+65.66	− 8 39 29.6	....
30	Sun II, N	9	41 19.37	+ 0.01	+17.85	312 53 52.38	47.985	− 3.97	−1 1.2	22 41 37.23	−65.66	− 8 7 8.7	....
31	μ Hydræ	9	21 24.46	− 0.10	**+17.81**	304 39 54.58	45.858	− 5.02	−1 23.8	10 21 42.22	.....	−16 22 18.3	....
32	34 Sextantis	9	37 38.63	− 0.12	**+17.86**	325 5 53.38	43.475	− 5.02	− 40.5	10 37 56.37	.....	+ 4 3 29.2	....
33	Jupiter I, C	5	46 38.47	− 0.13	+17.85	330 13 53.52	46.235	− 5.02	− 33.2	10 46 56.19	+ 1.55	+ 9 14 22.8	....
34	Jupiter II	5	46 41.58	− 0.13	+17.85	... .	......	....	.....	10 46 59.30	− 1.56	.. ..	....
35	d Leonis	9	55 34.76	− 0.12	**+17.84**	325 7 54.40	45.645	− 5.02	− 40.5	10 55 52.50	.....	+ 4 6 19.9	....
36	θ Leonis	9	9 11.12	− 0.15	**+17.84**	336 57 56.60	42.892	− 5.02	− 24.7	11 9 28.83	.....	+15 55 34.9	....
37	δ Crateris	9	14 30.41	− 0.10	**+17.88**	306 45 51.80	43:419	− 5.02	−1 17.8	11 14 48.17	.....	−14 17 10.8	....
38	β Leonis	9	44 8.19	− 0.15	**+17.91**	336 5 55.95	46.160	− 5.02	− 25.8	11 44 25.90	.....	+15 4 47.8	....
39	γ Corvi	9	10 50.39	− 0.10	**+17.86**	303 59 53.90	46.281	− 5.02	−1 26.2	12 11 8.15	.....	−17 2 11.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 16 0	......	....	23.3
16 19	29.892	24.0	23.0
16 57	29.892	23.5	22.8
21 37	29 838	34.8	34.0
26 22 37	29.79	37.7	37.6
4 13	29.646	42.9	42.9
4 58	29.646	41.9	42.0
5 15	......	....	41.6
5 34	......	....	39.0
5 45	29.636	39 2	38.0
15 11	29.44	32.1	....
15 32	......	....	32.1
15 47	......	....	31.9
16 10	29.43	32.5	31.7
16 18	......	....	31.3
16 27	......	....	31.2
16 56	29.415	32.1	31.0
21 45	29.43	41.3	44.3
27 22 41	29.43	46.9	49.4
10 22	29.495	42.1	41.0
10 38	......	....	40.9
10 48	......	....	40.8
11 10	......	....	40.3
11 16	......	....	40.1
11 43	29.505	41.0	39.9
12 12	29.50	40.8	39.6

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at b_1, b_3, b_5, b_7, b_9.
3, 9, 26.	Bisections at III, IV, V.
4, 27, 31, 33, 37, 39..	Bisections at I, II, VI, VII.
6, 29.	Bisections at I, II, III.
7, 30.	Bisections at V, VI, VII.
8.	Bisections at II, III, IV, V, VI.
11.	Bisections at II, VI, VII.
13, 20.	Bisections at I, II.
14, 25.	Bisections at VI, VII.
17, 22.	Bisections at b_4, b_5, b_6.
33.	Z. D. threads A used.

Notes.

10–13, 31–35. Hazy.

36–39. Through clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 4.4	.. ....	0.0	+ 4.4
6	+ 6.6	+16 11.2	...	+16 17.8
7	+ 6.5	−16 11.1	...	−16 4.6
8	+19 7.2	+15 40.2	...	+34 47.4
27	+ 4.3	.. ....	0.0	+ 4.3
29	+ 6.5	+16 10.5	...	+16 17.0
30	+ 6.5	−16 10.4	...	−16 3.9
33	+ 1.0	.. ....	...	+ 1.0

No	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	February 28, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Ursæ Minoris s. p.	9	54 53.34	+ 4.56	+17.92	58 47 51.22	46.937	− 4.15	+1 37.6	16 55 15.82	.....	+82 10 54.6	....
2	β Eridani	9	3 4.40	− 0.05	**+17.94**	315 49 53.85	44.710	− 4.22	− 57.3	5 3 22.27	.....	− 5 12 18.0	....
3	β Orionis	9	9 51.77	− 0.04	**+17.91**	312 43 53.05	44.530	− 4.28	−1 3.9	5 10 9.65	.....	− 8 18 29.6	....
4	β Tauri	9	20 14.29	− 0.16	**+17.90**	349 33 53.00	43.492	− 4.37	− 10.9	5 20 32.05	.....	+28 31 59.4	....
5	ι Orionis	9	30 40.92	− 0.05	**+17.91**	315 3 53.48	44.940	− 4.46	− 59.0	5 30 58.79	.....	− 5 58 14.9	....
6	ε Orionis	9	31 17.73	− 0.05	**+17.92**	319 45 54.52	46.100	− 4.46	− 50.0	5 31 35.60	.....	− 1 15 38.8	....
7	ζ Orionis	9	35 51.98	− 0.05	**+17.98**	319 1 53.82	46.635	− 4.50	− 51.4	5 36 9.85	.....	− 1 59 28.5	....
8	κ Orionis	9	43 8.51	− 0.04	**+17.93**	311 19 53.30	45.498	− 4.57	−1 7.3	5 43 26.39	.....	− 9 42 10.9	....
9	Moon I, N	9	9 11.44	− 0.13	+17.92	345 19 56.42	43.603	− 4.31	− 15.5	6 9 29.23	+69.52	+24 18 1.7	....
10	Moon S	.	.. ..	....	.....	344 47 55.82	46.598	− 4.31	− 16.1	.. ..	.....	+23 47 7.3	....
11	Jupiter I, C	5	46 9.13	− 0.13	+17.93	330 17 52.28	43.764	− 4.01	− 34.1	10 46 26.93	+ 1.59	+ 9 17 25.2	....
12	Jupiter II	5	46 12.32	− 0.13	+17.93	... .	......	....	. ....	10 46 30.12	− 1.60	.. ..	....
	February 28, M.												
13	α Coronæ Borealis	9	30 32.26	− 0.19	**+18.07**	348 1 55.02	46.160	− 3.61	− 12.7	15 30 50.11	.....	+27 1 1.4	....
14	α Serpentis	9	39 29.01	− 0.09	**+18.03**	327 43 53.00	46.142	− 3.68	− 38.0	15 39 46.96	.....	+ 6 42 33.5	....
15	μ Serpentis	9	44 34.03	− 0.08	**+18.03**	317 51 52.42	47.432	− 3.71	− 54.4	15 44 51.99	.....	− 3 9 13.7	....
16	ε Serpentis	9	45 58.64	− 0.09	**+18.00**	325 45 51.72	47.308	− 3.72	− 41.0	15 46 16.59	.....	+ 4 44 56.0	....
17	γ Serpentis	9	51 56.88	− 0.13	**+18.06**	336 57 53.45	47.532	− 3.76	− 25.6	15 52 14.79	.....	+15 57 18.1	....
18	151 H¹. Cephei s. p.	9	7 11.22	+ 7.68	+18.04	55 39 50.85	46.647	− 3.87	+1 28.4	4 7 36.94	.....	+85 19 10.4	....
19	γ Herculis	9	17 36.11	− 0.14	**+18.07**	340 23 52.98	43.360	− 3.94	− 21.5	16 17 54.01	.....	+19 21 46.3	....
20	β Herculis	9	26 0.26	− 0.16	**+18.00**	342 41 54.35	46.478	− 4.00	− 18.8	16 26 18.14	.....	+21 41 1.5	....
21	ε Ursæ Minoris	9	55 1.69	− 3.93	+18.04	43 11 53.25	43.132	− 4.11	+ 57.0	16 55 15.80	.....	+82 10 59.5	....
22	Venus I, C	5	53 21.77	− 0.11	+18.08	306 59 52.40	48.352	− 4.36	−1 18.5	21 53 39.74	+ 0.24	−14 1 17.6	....
23	Venus II	5	53 22.27	− 0.11	+18.08	... .	......	....	. ....	21 53 40.24	− 0.26	.. ..	....
	March 1, M.												
24	Sun I, N	9	46 38.70	− 0.11	+18.08	313 39 53.60	46.075	− 4.29	−1 1.8	22 46 56.67	+65.40	− 7 21 51.1	....
25	Sun II, S	9	48 49.50	− 0.11	+18.08	313 7 53.62	45.458	− 4.29	−1 2.9	22 49 7.47	−65.40	− 7 54 7.3	....
26	ε Ursæ Minoris s. p.	8	54 53.22	+ 4.82	+18.11	58 47 51.28	46.970	− 4.24	+1 36.6	16 55 16.15	.....	+82 10 54.9	....
27	β Tauri	9	20 14.13	− 0.26	**+18.14**	349 33 54.65	43.320	− 4.24	− 10.7	5 20 31.98	.....	+28 31 57.5	....
28	δ Orionis	9	27 3.27	− 0.13	**+18.11**	320 39 52.25	45.028	− 4.24	− 47.9	5 27 21.25	.....	− 0 22 3.0	....
29	ε Orionis	9	31 17.64	− 0.13	**+18.07**	319 45 50.82	46.140	− 4.24	− 49.4	5 31 35.62	.....	− 1 15 40.5	....
30	ζ Orionis	9	35 51.88	− 0.13	**+18.14**	319 1 50.85	46.618	− 4.24	− 50.7	5 36 9.86	.....	− 1 59 30.9	....
31	ν Geminorum	9	23 15.76	− 0.20	**+18.11**	341 17 53.05	44.540	− 4.24	− 19.7	6 23 33.68	.....	+20 16 14.8	....
32	Moon I	9	5 48.48	− 0.24	+18.12	345 18	......	....	. ....	7 6 6.36	+68.85	.. ..	....
	March 2, P.												
33	Moon I	9	1 1.38	− 0.23	+18.09	344 14	......	....	. ....	8 1 19.24	+67.60	.. ..	....
34	β Cancri	9	11 17.53	− 0.17	**+18.06**	330 30	......	....	. ....	8 11 35.45	.....	+ 9 27	....
35	30 Monocerotis	9	20 49.53	− 0.16	**+18.09**	317 26	......	....	. ....	8 21 7.46	.....	− 3 36	....
36	η Cancri	9	27 9.69	− 0.21	**+18.07**	341 46	......	....	. ....	8 27 27.57	.....	+20 45	....
37	γ Cancri	9	37 44.12	− 0.22	**+18.11**	342 50	......	....	. ....	8 38 1.99	.....	+21 47	....
38	δ Cancri	9	39 13.72	− 0.20	**+18.09**	339 32	......	....	. ....	8 39 31.61	.....	+18 29	....
39	ι Cancri	8	40 54.45	− 0.26	**+18.19**	350 8	......	....	. ....	8 41 12.28	.....	+29 5	....
40	ε Hydræ	9	41 40.24	− 0.17	**+18.07**	327 48	......	....	. ....	8 41 58.16	.....	+ 6 45	....
41	μ Hydræ	9	21 24.27	− 0.17	**+18.08**	304 39 54.20	45.800	− 4.81	−1 23.4	10 21 42.20	.....	−16 22 19.4	....
42	Jupiter I, C	4	45 10.43	− 0.18	+18.10	330 23 52.98	43.751	− 4.81	− 32.8	10 45 28.35	+ 1.61	+ 9 23 26.1	....
43	Jupiter II	5	45 13.66	− 0.18	+18.10	... .	......	....	. ....	10 45 31.58	− 1.62	.. ..	....
	March 4, P.												
44	α Coronæ Borealis	9	30 32.26	− 0.24	**+18.24**	348 1 56.18	46.110	− 3.34	− 12.7	15 30 50.20	.....	+27 1 1.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 4 52	29.768	39.3	38 0
5 11	....	....	37.1
5 26	29.770	38.5	37.0
5 45	....	....	36.0
6 11	29.780	37.0	35.8
10 44	....	....	32.0
10 48	29.839	33.5	32.0
15 28	29.905	31.2	30.3
15 49	....	....	30.6
16 14	29.93	31.5	30.5
16 57	29.94	30.1	28.8
21 53	29.985	39.8	39.0
1 22 49	29.950	41.0	40.9
4 56	29.775	43.5	43.0
5 19	....	....	42.7
5 38	29.77	43.7	42.6
6 17	....	....	42.8
7 0	29.745	44.7	44.0
2 10 19	29.492	44.2	43.4
10 47	29.484	44.0	43.1
4 15 28	29.458	26.0	25.1

Micrometer bisections are made at II, VI, except as noted below.

1, 18, 21, 26. Bisections at III, IV, V.
5, 15, 24. Bisections at I, II.
6, 25. Bisections at VI, VII.
9. Bisections at I, II, III.
10, 14. Bisections at V, VI, VII.
11, 42. Z. D. threads A used.
11, 22, 42. Bisections at I, II, VI, VII.

Notes.

26–32. Thick haze.
34, 35, 39, 40, 42, 43. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+13 53.6	−15 12.7	...	− 1 19.1
10	+14 22.8	+15 12.7	− 0.2	+29 35.3
11	+ 1.0	.. ....	...	+ 1.0
22	+ 4.3	.. ....	0.0	+ 4.3
24	+ 6.4	−16 8.1	...	−16 1.7
25	+ 6.4	+16 8.1	...	+16 14.5
42	+ 1.0	.. ....	...	+ 1.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Serpentis	9	39 28.99	− 0.11	**+18.18**	327 43 55.35	46.030	− 3.38	− 37.9	15 39 47.06	.....	+ 6 42 33.8	....
2	μ Serpentis	9	44 34.01	− 0.08	**+18.17**	317 51 55.85	47.252	− 3.40	− 54.2	15 44 52.11	.....	− 3 9 13.8	....
3	ε Serpentis	9	45 58.64	− 0.10	**+18.13**	325 45 55.70	47.142	− 3.41	− 40.8	15 46 16.72	.....	+ 4 44 56.6	....
4	γ Serpentis	9	51 56.92	− 0.15	**+18.16**	336 57 57.08	47.385	− 3.44	− 25.5	15 52 14.95	.....	+15 57 18.9	....
5	γ Herculis	9	17 36.09	− 0.17	**+18.24**	340 23 53.50	43.330	− 3.56	− 21.3	16 17 54.10	.....	+19 21 46.7	....
6	β Herculis	9	26 0.26	− 0.19	**+18.15**	342 41 54.88	46.480	− 3.59	− 18.6	16 26 18.25	.....	+21 41 2.7	....
7	ε Ursæ Minoris	9	55 2.93	− 4.46	+18.18	43 11 56.20	42.987	− 3.73	+ 56.5	16 55 16.65	.....	+82 10 59.0	....
8	Mercury C, C	9	19 4.20	− 0.05	+18.23	305 29 55.22	44.996	− 3.70	−1 22.9	21 19 22.38	− 0.12	−15 32 35.2	....
9	Venus I, C	8	12 41.29	− 0.05	+18.23	308 39 56.75	44.605	− 3.70	−1 13.8	22 12 59.47	+ 0.50	−12 22 33.5	....
10	Venus II	9	12 42.32	− 0.05	+18.23	... .	......	....	.....	22 13 0.50	− 0.53	.. ..	....
	March 5, P.												
11	Sun I, N	9	1 33.77	− 0.07	+18.23	315 11 55.65	45.537	− 4.08	− 58.5	23 1 51.93	+65.24	− 5 49 58.0	....
12	Sun II, S	9	3 44.25	− 0.07	+18.23	314 39 56.00	44.922	− 4.08	− 59.6	23 4 2.41	−65.24	− 6 22 13.6	....
13	ε Ursæ Minoris s. p.	9	54 52.82	+ 5.57	+18.28	58 47 53.22	46.810	− 3.54	+1 37.3	16 55 16.67	.....	+82 10 55.2	....
14	ι Orionis	9	30 40.47	− 0.05	**+18.27**	315 3 54.20	44.862	− 3.73	− 58.8	5 30 58.71	.....	− 5 58 15.0	....
15	ε Orionis	9	31 17.31	− 0.06	**+18.26**	319 45 55.90	45.985	− 3.74	− 49.8	5 31 35.54	.....	− 1 15 39.1	....
16	ζ Orionis	9	35 51.57	− 0.06	**+18.31**	319 1 54.85	46.498	− 3.76	− 51.1	5 36 9.80	.....	− 1 59 29.5	....
17	κ Orionis	9	43 8.11	− 0.04	**+18.24**	311 19 54.78	45.328	− 3.80	−1 7.0	5 43 26.36	.....	− 9 42 12.3	....
18	α Orionis	9	49 56.42	− 0.10	**+18.26**	328 25 53.90	43.030	− 3.84	− 36.2	5 50 14.61	.....	+ 7 23 25.1	....
19	ν Orionis	9	2 4.31	− 0.14	**+18.32**	335 47 55.08	46.250	− 3.90	− 26.5	6 2 22.46	.....	+14 46 49.4	....
20	η Geminorum	9	9 4.90	− 0.19	**+18.34**	343 33 53.90	44.008	− 3.94	− 17.4	6 9 23.00	.....	+22 32 6.1	....
21	Moon I, N	9	33 5.57	− 0.11	+18.30	335 1 56.10	43.642	− 3.96	− 27.9	10 33 23.76	+62.78	+13 59 49.4	....
22	Jupiter I, C	5	43 42.60	− 0.09	+18.30	330 31 53.75	46.211	− 3.96	− 33.8	10 44 0.81	+ 1.60	+ 9 32 22.9	....
23	Jupiter II	5	43 45.80	− 0.09	+18.30	... .	......	....	.....	10 44 4.01	− 1.60	.. ..	....
	March 7, M.												
24	Moon N	.	.. ..	....	.....	325 31 54.25	45.377	− 5.25	− 40.1	.. ..	.....	+ 4 30 10.5	....
25	Moon II, S	9	6 28.02	− 0.06	+18.37	325 1 53.78	45.550	− 5.25	− 40.9	12 6 46.33	−60.97	+ 4 0 19.7	....
26	γ Corvi	9	10 49.93	− 0.05	**+18.38**	303 59 54.42	46.185	− 5.25	−1 26.5	12 11 8.25	.....	−17 2 14.0	....
27	η Virginis	9	14 57.44	− 0.06	**+18.41**	320 51 53.88	45.855	− 5.25	− 47.6	12 15 15.75	.....	− 0 9 43.2	....
28	ρ Virginis	9	36 59.23	− 0.09	**+18.40**	331 46	......	....	.....	12 37 17.51	.....	+10 44	....
29	31 Comæ Berenices	9	46 58.78	− 0.18	**+18.36**	349 4	......	....	.....	12 47 16.97	.....	+28 2	....
30	δ Virginis	9	50 43.62	− 0.07	**+18.31**	324 56	......	....	.....	12 51 1.92	.....	+ 3 53	....
31	α Coronæ Borealis	9	30 32.18	− 0.19	**+18.36**	348 1 56.80	46.118	− 5.37	− 12.5	15 30 50.36	.....	+27 1 0.6	....
32	α Serpentis	9	39 28.87	− 0.09	**+18.37**	327 43 53.48	46.105	− 5.37	− 37.2	15 39 47.15	.....	+ 6 42 32.4	....
33	ε Serpentis	9	45 58.50	− 0.09	**+18.34**	325 45 53.85	47.228	− 5.37	− 40.1	15 46 16.78	.....	+ 4 44 55.5	....
34	γ Serpentis	9	51 56.78	− 0.13	**+18.37**	336 57 55.28	47.472	− 5.37	− 25.1	15 52 15.02	.....	+15 57 17.5	....
35	151 H¹. Cephei s. p.	9	7 8.72	+ 7.78	+18.37	55 39 56.00	46.567	− 5.37	+1 26.8	4 7 34.87	.....	+85 19 10.2	....
36	γ Herculis	9	17 35.97	− 0.16	**+18.44**	340 23 53.40	43.363	− 5.37	− 21.1	16 17 54.18	.....	+19 21 45.6	....
37	β Herculis	9	26 0.15	− 0.17	**+18.33**	342 41 55.68	46.445	− 5.37	− 18.4	16 26 18.35	.....	+21 41 1.1	....
38	ε Ursæ Minoris	9	55 2.57	− 4.01	+18.37	43 11 58.15	43.048	− 5.37	+ 55.9	16 55 16.93	.....	+82 11 0.1	....
39	Mercury C, C	9	30 4.56	− 0.10	+18.37	305 47 52.20	46.288	− 5.00	−1 21.7	21 30 22.83	− 0.09	−15 14 9.0	....
40	Venus C, C	9	27 0.91	− 0.09	+18.38	309 57 54.72	43.592	− 5.00	−1 10.2	22 27 19.20	− 0.01	−11 4 56.4	....
	March 8, M.												
41	Sun I, S	9	12 40.16	− 0.08	+18.38	315 49 55.55	44.283	− 4.94	− 57.1	23 12 58.46	+64.94	− 5 12 26.2	....
42	Sun II, N	9	14 50.05	− 0.08	+18.38	316 21 52.78	45.153	− 4.94	− 56.0	23 15 8.35	−64.95	− 4 40 8.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 15 54	......	....	25.7
16 21	......	....	26.0
16 28	29.475	26.2	26.0
16 58	29.487	26.8	26.0
21 17	29.588	35.0	33.0
22 14	29.600	35.2	34.2
5 23 4	29.61	36.7	35.8
4 52	29.668	38.0	38.0
5 28	......	....	37.0
5 45	29.684	37.0	37.1
6 1	......	....	37.3
6 11	29.686	36.8	37.2
10 31	29.734	31.0	29.9
10 46	29.734	31.2	30.0
7 12 2	29.80	41.8	43.0
12 16	29.805	41.5	42.1
15 28	29.85	38.8	39.1
15 49	......	....	39.2
16 21	29.87	38.7	38.1
16 59	29.885	38.2	37.2
21 30	29.94	42.5	40.1
22 27	29.95	43.3	41.8
8 23 15	29.943	44.0	42.2

Micrometer bisections are made at II, VI, except as noted below.

2, 14.	Bisections at I, II.
3, 26, 36.	Bisections at II, VI, VII.
7, 13, 35, 38.	Bisections at III, IV, V.
8, 9, 22, 40.	Bisections at I, II, VI, VII.
11, 24, 41.	Bisections at I, II, III.
12, 25, 39, 42.	Bisections at V, VI, VII.
15.	Bisections at VI, VII.
21.	Bisections at II, III, IV, V, VI.
22.	Z. D. threads A used.

Notes.

14. Micrometer reading decreased 1 rev.

26, 27. Pawling read microscopes.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 8.1	.. ....	− 0.5	+ 7.6
9	+ 4.1	.. ....	0.0	+ 4.1
11	+ 6.2	−16 7.8	...	−16 1.6
12	+ 6.3	+16 7.7	...	+16 14.0
21	+22 33.6	−14 44.3	...	+ 7 49.3
22	+ 1.0	.. ....	...	+ 1.0
24	+30 19.1	−14 43.8	0.0	+15 35.3
25	+30 42.3	+14 43.8	...	+45 26.1
39	+ 7.7	.. ....	− 0.5	+ 7.2
40	+ 4.0	.. ....	0.0	+ 4.0
41	+ 6.1	+16 8.7	...	+16 14.8
42	+ 6.1	−16 8.7	...	−16 2.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 10, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N.	9	20 2.89	− 0.28	+18.46	317 7 55.35	46.965	− 5.34	− 50.5	23 20 21.07	+64.87	− 3 53 18.8	....
2	Sun II, S.	6	22 12.64	− 0.28	+18.46	316 35 55.08	46.472	− 5.34	− 51.5	23 22 30.82	−64.88	− 4 25 32.3	....
	March 10, L.												
3	α Coronæ Borealis	9	30 32.14	− 0.13	**+18.42**	348 1 53.30	46.340	− 5.80	− 12.4	15 30 50.38	.....	+27 1 1.9	....
4	α Serpentis	9	39 29.01	− 0.08	**+18.30**	327 43 50.60	46.292	− 5.77	− 37.1	15 39 47.30	.....	+ 6 42 33.5	....
5	β Serpentis	9	41 41.17	− 0.10	**+18.38**	336 43 51.02	44.802	− 5.76	− 25.2	15 41 59.44	.....	+15 42 11.7	....
6	ε Serpentis	9	45 58.54	− 0.08	**+18.37**	325 45 50.80	47.405	− 5.74	− 40.0	15 46 16.83	.....	+ 4 44 56.3	....
7	γ Serpentis	9	51 56.87	− 0.10	**+18.33**	336 57 52.68	47.650	− 5.72	− 25.0	15 52 15.14	.....	+15 57 18.7	....
8	151 H¹. Cephei s. p.	9	7 10.00	+ 5.64	+18.37	55 39 49.95	46.837	− 5.66	+1 26.4	4 7 34.01	.....	+85 19 11.0	....
9	γ Herculis	9	17 36.01	− 0.10	**+18.43**	340 23 46.38	43.725	− 5.63	− 21.0	16 17 54.28	.....	+19 21 46.8	....
10	β Herculis	9	26 0.18	− 0.11	**+18.33**	342 41 52.85	46.642	− 5.60	− 18.3	16 26 18.44	.....	+21 41 2.7	....
11	ε Ursæ Minoris	8	55 2.20	− 2.81	+18.37	43 11 56.92	43.109	− 5.58	+ 55.6	16 55 17.76	.....	+82 10 59.2	....
12	δ Ursæ Minoris	9	1 23.72	− 6.93	+18.37	47 36	......	....	.....	18 1 35.16	.....	+86 36	....
	March 11, L.												
13	Sun I, N.	9	23 43.65	− 0.08	+18.40	317 31 51.25	46.028	− 4.39	− 53.7	23 24 1.97	+64.89	− 3 29 46.7	....
14	Sun II, S.	9	25 53.43	− 0.08	+18.40	316 59 51.35	45.427	− 4.39	− 54.7	23 26 11.75	−64.89	− 4 2 2.1	....
15	ε Ursæ Minoris s. p.	9	54 55.27	+ 4.14	+18.44	58 47 57.20	46.713	− 5.19	+1 37.0	16 55 17.85	.....	+82 10 55.3	....
16	δ Ursæ Minoris s. p.	9	1 7.39	+ 9.06	+18.44	54 21 57.20	48.528	− 5.19	+1 22.5	18 1 34.89	.....	+86 36 28.6	....
17	η Geminorum	9	9 4.64	− 0.18	**+18.49**	343 33 54.00	44.085	− 5.19	− 17.4	6 9 22.90	.....	+22 32 6.7	....
18	μ Geminorum	9	17 8.93	− 0.18	**+18.47**	343 35 55.85	43.022	− 5.19	− 17.4	6 17 27.19	.....	+22 33 44.2	....
19	8 Monocerotis	9	18 38.33	− 0.12	**+18.48**	325 39 53.15	45.745	− 5.19	− 40.3	6 18 56.65	.....	+ 4 38 20.9	....
20	10 Monocerotis	9	23 9.58	− 0.11	**+18.50**	316 19 53.92	44.468	− 5.19	− 56.4	6 23 27.91	.....	− 4 42 23.6	....
21	S Monocerotis	9	35 39.75	− 0.13	**+18.38**	330 59 54.70	46.630	− 5.19	− 32.8	6 35 58.06	.....	+ 9 58 50.2	....
22	ζ Geminorum	9	58 24.62	− 0.17	**+18.43**	341 43 54.45	44.678	− 5.19	− 19.5	6 58 42.89	.....	+20 42 18.8	....
23	γ Canis Majoris	4	59 20.36	− 0.12	**+18.45**	305 31 53.52	46.635	− 5.19	−1 22.8	6 59 38.68	.....	−15 30 1.0	....
24	Jupiter I, C.	5	40 50.49	− 0.13	+18.45	330 49 54.38	44.316	− 5.24	− 33.4	10 41 8.81	+ 1.57	+ 9 49 39.4	....
25	Jupiter II	5	40 53.63	− 0.13	+18.45	... .	......	....	.....	10 41 11.95	− 1.57	.. ..	....
	March 11, P.												
26	Moon II, S.	9	9 26.57	− 0.09	+18.47	305 9 53.40	45.955	− 4.90	−1 25.6	15 9 44.95	−64.45	−15 52 19.0	....
27	α Coronæ Borealis	9	30 32.17	− 0.17	**+18.46**	348 1 51.75	46.395	− 4.90	− 12.8	15 30 50.47	.....	+27 1 2.1	....
28	α Serpentis	9	39 28.92	− 0.10	**+18.44**	327 43 52.15	46.235	− 4.90	− 38.1	15 39 47.29	.....	+ 6 42 33.6	....
29	β Serpentis	9	41 41.07	− 0.12	**+18.53**	336 43 51.82	44.770	− 4.90	− 26.0	15 41 59.42	.....	+15 42 11.9	....
30	γ Serpentis	9	51 56.74	− 0.12	**+18.51**	336 57 54.15	47.575	− 4.90	− 25.7	15 52 15.09	.....	+15 57 18.6	....
31	ν Scorpii (*mean*)	9	6 23.89	− 0.09	**+18.38**	301 49 52.20	43.440	− 4.90	−1 37.1	16 6 42.27	.....	−19 13 29.2	....
32	δ Ophiuchi	9	9 16.12	− 0.08	**+18.47**	317 33 52.35	46.205	− 4.90	− 55.2	16 9 34.51	.....	− 3 27 44.0	....
33	γ Herculis	9	17 35.98	− 0.13	**+18.52**	340 23 49.12	43.592	− 4.90	− 21.5	16 17 54.33	.....	+19 21 46.8	....
34	β Herculis	9	26 0.19	− 0.14	**+18.38**	342 41 52.62	46.648	− 4.90	− 18.8	16 26 18.53	.....	+21 41 2.8	....
35	ε Ursæ Minoris	9	55 3.06	− 3.48	+18.48	43 11 51.52	43.227	− 4.90	+ 57.0	16 55 18.06	.....	+82 10 59.1	....
36	δ Ursæ Minoris	9	1 25.94	− 8.25	+18.48	47 35 53.22	46.775	− 4.55	+1 6.5	18 1 36.17	.....	+86 36 31.6	....
37	Venus II, C.	9	45 54.18	− 0.06	+18.48	311 43 52.42	47.620	− 4.45	−1 6.5	22 46 12.60	− 0.34	− 9 17 22.4	....
	March 12, P.												
38	Sun I, S.	9	27 24.13	− 0.06	+18.48	317 23 52.50	44.290	− 5.01	− 54.4	23 27 42.55	+64.74	− 3 38 26.3	....
39	Sun II, N.	9	29 33.61	− 0.06	+18.48	317 55 54.25	44.782	− 5.01	− 53.4	23 29 52.03	−64.74	− 3 6 13.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 23 22	29.376	69.5	70.2
15 29	29.78	42.6	40.8
15 38	......	....	40.3
15 51	......	....	40.0
16 18	......	....	40.0
16 27	......	....	39.9
16 57	29.85	41.0	39.1
11 23 26	30.016	45.9	44.0
4 56	30.086	47.0	46.0
5 58	30.094	44.5	43.2
6 12	......	....	43.0
6 24	......	....	42.3
6 36	......	....	42.0
7 0	30.106	42.8	41.3
10 42	30.106	37.0	36.0
15 5	30.179	35.0	33.0
15 28	......	....	33.0
15 54	30.172	34.5	33.0
16 14	......	....	32.9
16 28	......	....	33.0
16 58	30.176	34.0	32.8
18 5	30.189	33.9	32.4
22 44	30.177	43.0	41.2
12 23 30	30.16	44.2	43.2

Micrometer bisections are made at II, VI, except as noted below.

1, 22, 38. Bisections at I, II.
2, 14. Bisections at V, VI, VII.
6, 24, 37. Bisections at I, II, VI, VII.
8, 16. Bisections at b_4, b_5, b_6.
11. Bisections at II, III, V, VI.
13. Bisections at I, II, III.
15, 36. Bisections at b_1, b_3, b_5, b_7, b_9.
23, 39. Bisections at VI, VII.
24. Z. D. threads A used.
26. Bisections at II, III, IV, V, VI.
35. Bisections at III, IV, V.

Notes.

3. High wind.
6. Through clouds; very difficult.
11. Very faint at times.
15. Diffuse and unsteady.
26–36. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.0	−16 6.8	...	−16 0.8
2	+ 6.0	+16 6.7	...	+16 12.7
13	+ 5.9	−16 7.6	...	−16 1.7
14	+ 6.0	+16 7.7	...	+16 13.7
24	+ 1.0	.. ....	...	+ 1.0
26	+44 54.5	+15 3.4	...	+59 57.9
37	+ 3.9	.. ....	0.0	+ 3.9
38	+ 6.0	+16 6.4	...	+16 12.4
39	+ 5.9	−16 6.4	...	−16 0.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 13, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β^1 Scorpii	9	59 50.32	− 0.17	**+18.48**	301 30	......	....	. ....	16 0 8.68	.....	−19 33	....
2	ν Scorpii (*mean*)	9	6 23.93	− 0.17	**+18.47**	301 50	......	....	. ....	16 6 42.29	.....	−19 13	....
3	δ Ophiuchi	9	9 16.15	− 0.15	**+18.57**	317 34	......	....	. ....	16 9 34.53	.....	− 3 27	....
4	ε Ophiuchi	9	13 11.92	− 0.15	**+18.55**	316 34	......	....	. ....	16 13 30.30	.....	− 4 28	....
5	γ Herculis	9	17 36.03	− 0.18	**+18.58**	340 24	......	....	. ....	16 17 54.38	.....	+19 21	....
6	β Herculis	9	26 0.17	− 0.19	**+18.51**	342 42	......	....	. ....	16 26 18.51	.....	+21 41	....
7	ζ Ophiuchi	9	31 50.29	− 0.15	**+18.56**	310 40	......	....	. ....	16 32 8.67	.....	−10 23	....
8	Moon II, S.	9	54 48.38	− 0.18	+18.53	297 53 49.48	49.191	− 5.44	−1 48.7	16 55 6.73	−69.17	−23 7 32.6	....
	March 14, M.												
9	α Coronæ Borealis	9	30 32.07	− 0.18	**+18.65**	348 1 52.58	46.330	− 5.00	− 12.6	15 30 50.55	.....	+27 1 1.5	....
10	β Serpentis	9	41 40.97	− 0.13	**+18.72**	336 43 50.20	44.790	− 5.10	− 25.7	15 41 59.50	.....	+15 42 10.8	....
11	ε Serpentis	9	45 58.37	− 0.11	**+18.68**	325 45 51.00	47.350	− 5.13	− 40.6	15 46 16.92	.....	+ 4 44 55.2	....
12	ε Coronæ Borealis	9	53 30.98	− 0.18	**+18.69**	348 9 53.70	44.210	− 5.21	− 12.5	15 53 49.46	.....	+27 8 14.1	....
13	ν Scorpii (*mean*)	9	6 23.79	− 0.13	**+18.60**	301 49 50.25	43.421	− 5.34	−1 36.0	16 6 42.32	.....	−19 13 30.8	....
14	γ Herculis	9	17 35.96	− 0.14	**+18.64**	340 23 52.12	43.422	− 5.44	− 21.3	16 17 54.48	.....	+19 21 45.6	....
15	β Herculis	9	26 0.03	− 0.15	**+18.64**	342 41 52.50	46.604	− 5.52	− 18.6	16 26 18.54	.....	+21 41 1.2	....
16	Moon II, S	9	53 1.67	− 0.14	+18.66	295 49 50.20	48.197	− 6.00	−2 2.8	17 53 20.19	−71.46	−25 12 9.2	....
17	δ Ursæ Minoris	8	1 26.52	− 7.86	+18.66	47 35 53.20	46.895	− 6.00	+1 5.7	18 1 37.32	.....	+86 36 31.0	....
18	Mercury C, C	9	1 20.40	− 0.15	+18.70	307 23 48.60	46.415	− 5.06	−1 17.1	22 1 38.95	− 0.06	−13 38 4.9	....
	March 15, M.												
19	ε Ursæ Minoris S. P.	9	54 55.38	+ 4.48	+18.73	58 47 51.40	46.977	− 5.42	+1 37.2	16 55 18.59	.....	+82 10 55.2	....
20	δ Ursæ Minoris S. P.	8	1 8.71	+ 9.87	+18.73	54 21 52.28	48.830	− 5.42	+1 22.6	18 1 37.31	.....	+86 36 26.7	....
21	μ Geminorum	9	17 8.63	− 0.23	**+18.75**	343 35 54.02	43.075	− 5.42	− 17.4	6 17 27.13	.....	+22 33 43.5	....
22	8 Monocerotis	9	18 38.03	− 0.16	**+18.75**	325 39 53.00	45.735	− 5.42	− 40.4	6 18 56.60	.....	+ 4 38 20.2	....
23	10 Monocerotis	9	23 9.28	− 0.15	**+18.77**	316 19 53.18	44.432	− 5.42	− 56.4	6 23 27.86	.....	− 4 42 25.4	....
24	*S* Monocerotis	9	35 39.36	− 0.18	**+18.75**	330 59 53.05	46.655	− 5.42	− 32.8	6 35 57.91	.....	+ 9 58 48.9	....
25	ξ Geminorum	9	39 52.36	− 0.19	**+18.73**	334 1 54.02	43.410	− 5.42	− 28.8	6 40 10.90	.....	+12 59 39.7	....
26	ζ Geminorum	9	58 24.32	− 0.22	**+18.71**	341 43 52.02	44.762	− 5.42	− 19.5	6 58 42.83	.....	+20 42 18.0	....
27	γ Canis Majoris	9	59 20.01	− 0.16	**+18.77**	305 31 53.15	46.630	− 5.42	−1 22.8	6 59 38.58	.....	−15 30 1.7	....
28	Jupiter I, C	5	38 59.69	− 0.19	+18.74	330 59 52.35	46.941	− 5.23	− 33.1	10 39 18.24	+ 1.46	+10 0 37.6	....
29	Jupiter II	5	39 2.60	− 0.19	+18.74	... .	......	....	. ....	10 39 21.15	− 1.45	.. ..	....
	March 15, P.												
30	α Coronæ Borealis	9	30 32.12	− 0.18	**+18.63**	348 1 51.75	46.448	− 5.56	− 12.7	15 30 50.59	.....	+27 1 2.7	....
31	β Serpentis	9	41 41.02	− 0.12	**+18.69**	336 43 50.60	44.870	− 5.56	− 25.9	15 41 59.55	.....	+15 42 12.4	....
32	ε Serpentis	9	45 58.52	− 0.09	**+18.54**	325 45 51.55	47.390	− 5.56	− 41.0	15 46 17.08	.....	+ 4 44 55.9	....
33	γ Serpentis	9	51 56.69	− 0.12	**+18.67**	336 57 52.40	47.705	− 5.56	− 25.6	15 52 15.22	.....	+15 57 19.3	....
34	ν Scorpii (*mean*)	9	6 23.77	− 0.08	**+18.60**	301 49 52.62	43.392	− 5.56	−1 36.8	16 6 42.34	.....	−19 13 30.2	....
35	γ Herculis	9	17 35.94	− 0.14	**+18.68**	340 23 50.15	43.580	− 5.56	− 21.5	16 17 54.45	.....	+19 21 46.8	....
36	β Herculis	9	26 0.05	− 0.15	**+18.65**	342 41 51.52	46.715	− 5.56	− 18.8	16 26 18.55	.....	+21 41 2.5	....
37	ε Ursæ Minoris	9	55 3.54	− 3.72	+18.65	43 11 51.90	43.253	− 5.56	+ 56.8	16 55 18.47	.....	+82 10 59.3	....
38	δ Ursæ Minoris	9	1 27.89	− 9.12	+18.65	47 35 52.55	46.837	− 5.44	+1 6.4	18 1 37.42	.....	+86 36 31.4	....
39	Moon II	9	54 30.96	− 0.09	+18.65	295 26	......	....	. ....	18 54 49.52	−73.13	.. ..	....
	March 16, P.												
40	Sun I, S	9	42 3.07	− 0.05	+18.65	318 58 0.20	45.448	− 5.05	− 50.6	23 42 21.67	+64.63	− 2 3 48.4	....
41	Sun II, N	9	44 12.34	− 0.05	+18.65	319 29 58.85	45.938	− 5.05	− 49.7	23 44 30.94	−64.64	− 1 31 38.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 16 51	29.594	46.0	44.8
14 15 28	29.745	34.2	32.2
15 50	......	....	32.1
16 22	29.76	33.3	31.6
16 57	......	....	31.7
17 10	29.77	32.9	....
18 1	29.785	33.5	32.2
22 1	29.865	41.0	39.2
15 4 55	29.86	42.2	41.2
5 57	29.87	40.3	39.2
6 25	......	....	38.4
6 39	......	....	38.0
7 1	29.88	38.6	37.7
10 39	29.88	33.0	32.5
15 28	29.850	31.0	29.9
15 50	......	....	29.4
16 12	......	....	29.3
16 28	29.854	30.5	29.2
16 58	29.854	30.2	29.0
18 5	29.854	29.5	28.4
16 23 42	29.755	43.7	44.5

Micrometer bisections are made at II, VI, except as noted below.

8, 16.	Bisections at II, III, IV, V, VI.
11, 13, 15, 18, 28.	Bisections at I, II, VI, VII.
14.	Bisections at I, II, VI.
17.	Bisections at III, V, VI.
19, 37.	Bisections at III, IV, V.
20.	Bisections at b_4, b_5, b_6.
21, 26, 40.	Bisections at I, II.
27, 41.	Bisections at VI, VII.
28.	Z. D. threads A used.
38.	Bisections at b_1, b_3, b_5, b_7, b_9.

Notes.

9–17.	Conditions poor.
13–15, 18, 19.	Clouds.
17.	Unsteady; poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+49 45.9	+15 25.5	...	+65 11.4
16	+51 28.0	+15 39.5	...	+67 7.5
18	+ 6.8	.. ....	− 0.4	+ 6.4
28	+ 1.0	.. ....	...	+ 1.0
40	+ 5.8	+16 4.8	...	+16 10.6
41	+ 5.7	−16 4.8	...	−15 59.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	′
1	10 Monocerotis	6	23 9.26	− 0.09	**+18.71**	316 19 53.50	44.375	− 5.24	− 55.0	6 23 27.82	.....	− 4 42 24.9	....
2	γ Geminorum	9	32 8.70	− 0.12	**+18.64**	337 29 53.10	45.930	− 5.24	− 23.9	6 32 27.23	.....	+16 28 41.6	....
3	ε Geminorum	8	38 1.46	− 0.15	**+18.65**	346 13 51.82	47.410	− 5.24	− 14.1	6 38 19.96	.....	+25 13 23.5	....
4	λ Geminorum	9	12 33.42	− 0.12	**+18.68**	337 44	......	....	.....	7 12 51.95	.....	+16 42	....
5	δ Geminorum	8	14 22.95	− 0.14	**+18.71**	343 9 51.18	46.850	− 5.24	− 17.5	7 14 41.46	.....	+22 9 6.7	....
6	ι Geminorum	9	19 46.28	− 0.17	**+18.66**	348 59 51.50	45.932	− 5.24	− 11.2	7 20 4.76	.....	+27 58 52.5	....
7	β Canis Minoris	8	21 54.56	− 0.10	**+18.71**	329 30	......	....	.....	7 22 13.11	.....	+ 8 28	....
8	φ Geminorum	9	47 37.69	− 0.16	**+18.61**	348 2	......	....	.....	7 47 56.18	.....	+27 0	....
9	χ Geminorum	9	57 37.83	− 0.17	**+18.64**	349 4	......	....	.....	7 57 56.31	.....	+28 3	....
	March 16, L.												
10	α Serpentis	9	39 28.90	− 0.18	**+18.67**	327 44	......	....	....	15 39 47.37	.....	+ 6 43	....
11	β Serpentis	9	41 41.14	− 0.21	**+18.69**	336 43 53.50	44.665	− 5.52	− 25.3	15 41 59.58	.....	+15 42 11.2	....
12	β¹ Scorpii	9	59 50.33	− 0.18	**+18.57**	301 29 52.95	43.505	− 5.52	−1 35.7	16 0 8.80	.....	−19 33 26.1	....
13	151 H¹. Cephei s. p.	9	7 7.28	+ 7.07	+18.65	55 39 54.92	46.633	− 5.52	+1 26.3	4 7 33.00	.....	+85 19 10.7	....
14	γ Herculis	8	17 36.04	− 0.21	**+18.68**	340 23 53.15	43.412	− 5.52	− 21.0	16 17 54.48	.....	+19 21 46.5	....
15	ζ Ophiuchi	9	31 50.33	− 0.15	**+18.61**	310 39 51.30	43.344	− 5.52	−1 8.4	16 32 8.83	.....	−10 23 4.2	....
16	κ Ophiuchi	9	53 3.05	− 0.16	**+18.67**	330 31 53.25	46.632	− 5.52	− 33.1	16 53 21.54	.....	+ 9 30 48.1	....
17	η Ophiuchi	9	4 50.85	− 0.15	**+18.56**	305 25 52.40	44.588	− 5.52	−1 22.2	17 5 9.35	.....	−15 36 48.4	....
18	δ Herculis	6	10 59.14	− 0.22	**+18.60**	345 57 56.25	44.960	− 5.52	− 14.6	17 11 17.57	.....	+24 56 31.5	....
19	δ Ursæ Minoris	3	1 27.27	− 8.92	+18.65	47 35 56.08	46.750	− 5.52	+1 4.5	18 1 37.00	.....	+86 36 31.3	....
20	Mercury C, C	9	11 19.70	− 0.10	+18.65	308 3 51.30	47.125	− 4.35	−1 15.6	22 11 38.25	− 0.06	−12 57 43.8	....
21	Venus C, C	9	9 11.96	− 0.14	+18.65	314 3 53.48	47.378	− 4.35	−1 1.4	23 9 30.47	0.00	− 6 57 21.9	....
	March 17, L.												
22	Sun I	9	45 42.20	− 0.16	+18.65	319 38	......	....	.....	23 46 0.69	+64.67	.. ..	....
23	Sun II	9	47 51.55	− 0.16	+18.65	... .	......	....	.....	23 48 10.04	−64.68	.. ..	....
24	δ Ursæ Minoris s. p.	9	1 8.95	+ 9.53	+18.66	54 21 55.60	48.573	− 4.78	+1 23.1	18 1 37.14	.....	+86 36 28.1	....
25	γ Geminorum	9	32 8.67	− 0.17	**+18.70**	337 29 52.75	45.982	− 4.78	− 24.6	6 32 27.16	.....	+16 28 42.2	....
26	S Monocerotis	9	35 39.40	− 0.15	**+18.65**	330 59 53.55	46.678	− 4.78	− 33.0	6 35 57.91	.....	+ 9 58 50.3	....
27	ξ Geminorum	9	39 52.36	− 0.16	**+18.67**	334 1 53.40	43.502	− 4.78	− 29.0	6 40 10.86	.....	+12 59 41.6	....
28	ζ Geminorum	9	58 24.32	− 0.19	**+18.65**	341 43 53.90	44.738	− 4.78	− 19.7	6 58 42.79	.....	+20 42 19.8	....
29	γ Canis Majoris	5	59 20.09	− 0.14	**+18.63**	305 31 52.00	46.720	− 4.78	−1 23.3	6 59 38.61	.....	−15 30 0.6	....
30	δ Geminorum	9	14 22.98	− 0.20	**+18.73**	343 9 53.78	46.755	− 4.78	− 18.0	7 14 41.44	.....	+22 9 7.3	....
31	β Canis Minoris	9	21 54.56	− 0.15	**+18.74**	329 29 52.58	45.670	− 4.78	− 35.1	7 22 13.07	.....	+ 8 28 24.2	....
32	α Cancri	9	53 12.73	− 0.16	**+18.71**	333 13 52.52	46.055	− 4.78	− 30.2	8 53 31.23	.....	+12 12 37.9	....
33	ξ Leonis	9	26 44.72	− 0.14	**+18.66**	332 43 52.92	44.862	− 5.06	− 30.9	9 27 3.24	.....	+11 42 10.0	....
34	ζ Leonis	9	11 20.36	− 0.19	**+18.65**	344 53 53.70	44.468	− 5.06	− 16.2	10 11 38.83	.....	+23 52 16.5	....
35	μ Hydræ	9	21 23.62	− 0.13	**+18.68**	304 39 52.68	45.948	− 5.06	−1 26.8	10 21 42.15	.....	−16 22 21.2	....
36	Jupiter I, C	5	38 6.01	− 0.14	+18.66	331 5 53.68	44.810	− 5.06	− 33.2	10 38 24.53	+ 1.53	+10 5 50.3	....
37	Jupiter II	5	38 9.07	− 0.14	+18.66	... .	......	....	.....	10 38 27.59	− 1.53	.. ..	....
38	α Crateris	9	55 2.72	− 0.13	**+18.67**	303 13 51.72	44.719	− 5.06	−1 31.8	10 55 21.25	.....	−17 48 55.2	....
39	δ Crateris	9	14 29.78	− 0.13	**+18.64**	306 45 49.90	43.482	− 5.06	−1 20.6	11 14 48.31	.....	−14 17 14.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 6 21	29.596	46.5	46.0
6 44	......	....	45.2
6 52	29.595	45.5	....
7 17	......	....	45.0
7 27	29.594	45.0	45.0
15 43	29.534	38.0	35.1
16 1	......	....	36.0
16 9	......	....	35.8
16 19	......	....	35.2
16 33	......	....	35.8
16 54	......	....	37.7
17 6	......	....	37.4
17 12	[illegible]	37.2	37.2
18 4	29.572	37.6	37.1
22 12	29.734	35.9	34.9
23 10	29.754	37.0	33.9
17 6 2	29.758	36.4	35.0
6 31	......	....	34.2
6 41	......	....	33.8
7 0	......	....	33.1
7 15	......	....	33.1
7 23	29.774	34.9	33.0
8 52	29.824	32.1	30.8
9 25	......	....	30.4
10 10	29.830	31.2	29.9
10 22	......	....	29.7
10 37	......	....	29.4
10 54	......	....	29.1
11 13	29.836	30.4	28.9

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 5, 29.	Bisections at VI, VII.
2, 18, 25, 28.	Bisections at I, II.
12.	Bisections at I, VI.
13, 24.	Bisections at b_4, b_5, b_6.
15, 20, 36, 38, 39.	Bisections at I, II, VI, VII.
17.	Bisections at I, II, VII.
19.	Bisections at b_4, b_5.
21.	Bisections at II, VI, VII.
36.	Z. D. threads A used.

Notes.

1, 18, 19.	Clouds.
10, 11.	Thin clouds; diffuse.
12, 13, 14, 15, 17.	Diffuse.
12.	Degrees and minutes of circle reading assumed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
20	+ 6.6	.. ....	− 0.4	+ 6.2
21	+ 3.7	.. ....	0.0	+ 3.7
36	+ 1.0	.. ....	...	+ 1.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Leonis	9	44 7.54	− 0.16	**+18.74**	336 5 54.20	46.298	− 5.06	− 26.7	11 44 26.04	.....	+15 4 48.3	....
2	γ Corvi	9	10 49.83	− 0.13	**+18.65**	303 59 53.65	46.282	− 5.06	−1 29.3	12 11 8.37	.....	−17 2 15.1	....
	March 17, M.												
3	μ Serpentis	9	44 33.80	− 0.09	**+18.75**	317 51 51.10	47.472	− 4.21	− 54.8	15 44 52.50	.....	− 3 9 15.2	....
4	γ Serpentis	9	51 56.67	− 0.14	**+18.76**	336 57 52.85	47.560	− 4.21	− 25.7	15 52 15.32	.....	+15 57 17.7	....
5	ν Scorpii (*mean*)	9	6 23.76	− 0.09	**+18.68**	301 49 50.60	43.448	− 4.21	−1 37.5	16 6 42.46	.....	−19 13 30.1	....
6	δ Ophiuchi	9	9 16.03	− 0.09	**+18.74**	317 33 51.70	46.155	− 4.21	− 55.4	16 9 34.73	.....	− 3 27 45.3	....
7	γ Herculis	9	17 35.91	− 0.15	**+18.78**	340 23 52.98	43.345	− 4.21	− 21.6	16 17 54.55	.....	+19 21 45.5	....
8	λ Ophiuchi	9	26 0.77	− 0.09	**+18.78**	323 11 50.98	47.257	− 4.21	− 45.4	16 26 19.47	.....	+ 2 10 49.1	....
9	δ Herculis	9	10 58.97	− 0.17	**+18.75**	345 57 55.25	44.965	− 4.21	− 15.2	17 11 17.59	.....	+24 56 31.2	....
10	δ Ursæ Minoris	9	1 29.44	− 9.34	+18.79	47 35 51.72	46.810	− 4.21	+1 7.0	18 1 38.89	.....	+86 36 31.6	....
11	Moon II	9	1 49.97	− 0.10	+18.81	299 8	......	....	. ....	21 2 8.68	−73.46	.. ..	....
12	Mercury C, C	9	16 27.26	− 0.10	+18.81	308 25 51.88	47.668	− 3.85	−1 15.1	22 16 45.97	− 0.05	−12 35 29.8	....
13	Venus C, C	9	13 49.37	− 0.12	+18.81	314 31 52.10	48.946	− 3.85	−1 0.3	23 14 8.06	0.00	− 6 28 45.6	....
	March 18, M.												
14	Sun I, S	9	49 21.14	− 0.13	+18.82	319 45 52.10	44.208	− 3.90	− 50.2	23 49 39.82	+64.53	− 1 16 23.4	....
15	Sun II, N	9	51 30.19	− 0.13	+18.82	320 17 52.60	44.530	− 3.90	− 49.2	23 51 48.88	−64.53	− 0 44 15.4	....
16	δ Ursæ Minoris s. p.	9	1 9.22	+10.54	+18.84	54 21 52.45	48.807	− 4.96	+1 22.0	18 1 38.60	.....	+86 36 26.8	....
17	γ Geminorum	9	32 8.53	− 0.18	**+18.83**	337 29 51.62	45.965	− 4.96	− 24.3	6 32 27.19	.....	+16 28 40.8	....
18	S Monocerotis	9	35 39.18	− 0.15	**+18.85**	330 59 51.95	46.695	− 4.96	− 32.6	6 35 57.87	.....	+ 9 58 49.3	....
19	ξ Geminorum	9	39 52.18	− 0.16	**+18.83**	334 1 52.68	43.442	− 4.96	− 28.6	6 40 10.86	.....	+12 59 39.7	....
20	θ Canis Majoris	9	49 39.01	− 0.12	**+18.86**	309 7 50.42	42.190	− 4.96	−1 12.3	6 49 57.73	.....	−11 55 34.8	....
21	ζ Geminorum	9	58 24.14	− 0.20	**+18.82**	341 43 51.30	44.802	− 4.96	− 19.4	6 58 42.78	.....	+20 42 18.8	....
22	γ Canis Majoris	9	59 19.83	− 0.12	**+18.86**	305 31 50.02	46.708	− 4.96	−1 22.2	6 59 38.55	.....	−15 30 2.0	....
	March 19, L.												
23	μ Serpentis	9	44 33.84	− 0.14	**+18.81**	317 51 52.88	47.352	− 5.81	− 52.2	15 44 52.44	.....	− 3 9 15.1	....
24	γ Serpentis	9	51 56.81	− 0.18	**+18.72**	336 57 53.30	47.562	− 5.81	− 24.5	15 52 15.37	.....	+15 57 17.8	....
25	ν Scorpii (*mean*)	9	6 23.88	− 0.15	**+18.68**	301 49 51.95	43.218	− 5.81	−1 32.9	16 6 42.47	.....	−19 13 31.2	....
26	δ Ophiuchi	9	9 16.17	− 0.14	**+18.71**	317 33 52.20	46.100	− 5.81	− 52.8	16 9 34.77	.....	− 3 27 45.0	....
27	γ Herculis	9	17 36.03	− 0.19	**+18.75**	340 23 52.90	43.408	− 5.81	− 20.6	16 17 54.58	.....	+19 21 46.1	....
28	λ Ophiuchi	9	26 0.92	− 0.14	**+18.74**	323 11 53.58	47.125	− 5.81	− 43.1	16 26 19.52	.....	+ 2 10 49.5	....
29	δ Herculis	9	10 59.03	− 0.22	**+18.80**	345 57 56.50	44.968	− 5.81	− 14.4	17 11 17.56	.....	+24 56 31.7	....
30	δ Ursæ Minoris	9	1 29.28	− 9.17	+18.75	47 35 56.75	46.752	− 5.81	+1 3.5	18 1 38.86	.....	+86 36 30.7	....
31	Mercury C, C	9	26 58.07	− 0.17	+18.77	309 15 52.70	43.525	− 6.30	−1 10.0	22 27 16.67	− 0.05	−11 47 1.0	....
32	Venus I, C	8	23 2.37	− 0.18	+18.77	315 29 52.82	48.099	− 6.46	− 56.1	23 23 20.96	+ 0.44	− 5 31 2.6	....
33	Venus II	8	23 3.26	− 0.18	+18.77	... .	......	....	. ....	23 23 21.85	− 0.45	.. ..	....
	March 20, L.												
34	Sun I, S	9	56 38.87	− 0.20	+18.77	320 31 53.05	47.902	− 6.80	− 47.0	23 56 57.44	+64.59	− 0 28 57.8	....
35	Sun II, N	9	58 48.05	− 0.20	+18.77	321 3 52.75	48.322	− 6.80	− 46.1	23 59 6.62	−64.59	+ 0 3 12.6	....
36	δ Ursæ Minoris s. p.	9	1 10.89	+ 9.00	+18.80	54 21 57.90	48.665	− 6.52	+1 20.4	18 1 38.69	.....	+86 36 28.2	....
37	ξ Geminorum	9	39 52.24	− 0.22	**+18.80**	334 1 54.75	43.428	− 6.52	− 28.1	6 40 10.82	.....	+12 59 40.4	....
38	θ Canis Majoris	9	49 39.12	− 0.21	**+18.80**	309 7 54.78	42.038	− 6.52	−1 10.9	6 49 57.71	.....	−11 55 34.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 11 43	......	....	28.7
12 12	29.850	30.0	28.2
15 41	29.845	27.8	26.8
15 52	......	....	26.7
16 12	29.86	27.3	26.2
16 26	......	....	26.0
17 11	29.88	26.2	25.7
18 1	29.90	25.8	24.8
22 16	29.94	36.4	34.9
23 14	29.93	38.6	36.9
18 23 52	29.922	39.0	38.0
6 1	29.865	42.3	43.0
6 29	29.86	40.8	41.4
6 42	......	....	40.8
7 1	29.865	40.2	40.7
19 15 43	[illegible]	44.2	44.1
15 53	......	....	43.9
16 10	......	....	43.5
16 27	......	....	44.3
17 11	29.502	44.0	43.2
18 2	29.512	44.1	43.7
22 28	29.600	51.0	49.6
23 24	[illegible]	51.4	50.1
20 23 59	29.59	50.8	50.1
6 3	29.594	49.0	48.0
6 41	......	....	46.7
6 50	......	....	46.2

Micrometer bisections are made at II, VI, except as noted below.

2, 12, 13, 25, 31, 32, 38.	Bisections at I, II, VI, VII.
5, 17, 21.	Bisections at I, II.
8.	Bisections at II, VI, VII.
10, 16.	Bisections at III, IV, V.
14, 34.	Bisections at I, II, III.
15, 35.	Bisections at V, VI, VII.
22, 27.	Bisections at VI, VII.
30, 36.	Bisections at b_4, b_5, b_6.

Notes.

23, 24, 27, 28.	Faint.
25.	Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 6.5	.. ....	− 0.4	+ 6.1
13	+ 3.7	.. ....	0.0	+ 3.7
14	+ 5.7	+16 3.9	...	+16 9.6
15	+ 5.6	−16 4.0	...	−15 58.4
31	+ 6.2	.. ....	− 0.4	+ 5.8
32	+ 3.6	.. ....	0.0	+ 3.6
34	+ 5.6	+16 5.2	...	+16 10.8
35	+ 5.5	−16 5.1	...	−15 59.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Geminorum	9	58 24.14	− 0.24	+18.83	341 43 54.25	44.730	− 6.52	− 19.0	6 58 42.70	.....	+20 42 18.9	....
2	γ Canis Majoris	6	59 19.95	− 0.21	+18.79	305 31 53.70	46.565	− 6.52	−1 20.7	6 59 38.54	.....	−15 30 1.6	....
3	δ Geminorum	9	14 22.81	− 0.25	+18.90	343 9 54.35	46.762	− 6.52	− 17.5	7 14 41.36	.....	+22 9 6.8	....
4	β Canis Minoris	9	21 54.47	− 0.21	+18.85	329 29 53.78	45.618	− 6.52	− 34.1	7 22 13.06	.....	+ 8 28 23.3	....
5	δ Cancri	9	39 12.85	− 0.23	+18.82	339 31 56.15	42.352	− 6.52	− 21.7	8 39 31.43	.....	+18 29 23.6	....
6	α Cancri	9	53 12.63	− 0.21	+18.83	333 13 54.58	45.995	− 6.52	− 29.4	8 53 31.23	.....	+12 12 37.6	....
7	ξ Leonis	9	26 44.59	− 0.20	+18.83	332 43 55.42	44.832	− 6.70	− 30.1	9 27 3.20	.....	+11 42 11.0	....
8	ζ Leonis	9	11 20.28	− 0.24	+18.77	344 53 55.32	44.490	− 6.70	− 15.8	10 11 38.85	.....	+23 52 17.3	....
9	μ Hydræ	9	21 23.55	− 0.20	+18.80	304 39 53.98	45.881	− 6.70	−1 24.6	10 21 42.16	.....	−16 22 20.9	....
10	Jupiter I, C.	5	36 48.03	− 0.19	+18.81	331 11 54.20	48.985	− 6.70	− 32.2	10 37 6.65	+ 1.55	+10 13 25.6	....
11	Jupiter II	5	36 51.13	− 0.19	+18.81	... .	......	....	. ....	10 37 9.75	− 1.55	.. ..	....
12	α Crateris	9	55 2.71	− 0.20	+18.75	303 13 53.35	44.642	− 6.70	−1 29.6	10 55 21.32	.....	−17 48 54.8	....
13	θ Leonis	9	9 10.34	− 0.21	+18.79	336 57 55.58	43.095	− 6.70	− 25.0	11 9 28.94	.....	+15 55 36.5	....
14	δ Crateris	9	14 29.73	− 0.20	+18.77	306 45 51.65	43.405	− 6.70	−1 18.8	11 14 48.34	.....	−14 17 14.0	....
15	β Leonis	9	44 7.53	− 0.20	+18.81	336 5 55.62	46.292	− 6.70	− 26.2	11 44 26.14	.....	+15 4 48.5	....
16	γ Corvi	9	10 49.81	− 0.20	+18.76	303 59 54.52	46.260	− 6.70	−1 27.5	12 11 8.42	.....	−17 2 14.6	....
	March 21, M.												
17	μ Serpentis	9	44 33.78	− 0.14	+18.92	317 51 51.25	47.535	− 5.91	− 54.4	15 44 52.57	.....	− 3 9 14.9	....
18	γ Serpentis	9	51 56.63	− 0.18	+18.95	336 57 53.65	47.590	− 5.88	− 25.6	15 52 15.38	.....	+15 57 17.6	....
19	ν Scorpii (*mean*)	9	6 23.70	− 0.15	+18.92	301 49 50.98	43.470	− 5.80	−1 36.8	16 6 42.48	.....	−19 13 30.3	....
20	δ Ophiuchi	9	9 15.98	− 0.14	+18.95	317 33 52.32	46.200	− 5.79	− 55.0	16 9 34.77	.....	− 3 27 44.8	....
21	γ Herculis	9	17 35.89	− 0.19	+18.95	340 23 54.00	43.385	− 5.75	− 21.5	16 17 54.63	.....	+19 21 46.0	....
22	λ Ophiuchi	9	26 0.79	− 0.14	+18.92	323 11 54.18	47.162	− 5.70	− 45.1	16 26 19.58	.....	+ 2 10 49.0	....
23	57 H^1. Camelopardalis s. p.	9	52 47.11	+ 2.38	+18.93	67 1 53.60	46.663	− 5.58	+2 22.7	4 53 8.42	+ 2.41	+73 56 14.9	−16.4
24	δ Herculis	9	10 58.97	− 0.22	+18.92	345 57 55.68	44.990	− 5.48	− 15.1	17 11 17.68	.....	+24 56 31.0	....
25	δ Ursæ Minoris	9	1 29.67	− 9.08	+18.94	47 35 51.92	46.840	− 5.39	+1 6.7	18 1 39.53	.....	+86 36 31.5	....
26	Mercury C, C.	9	37 46.99	− 0.12	+18.97	310 7 50.92	48.025	− 4.86	−1 10.4	22 38 5.84	− 0.04	−10 53 18.9	....
27	Venus C, C.	9	32 13.98	− 0.12	+18.97	316 29 52.45	43.618	− 4.86	− 56.1	23 32 32.83	0.00	− 4 32 43.8	....
	March 22, M.												
28	Sun I, N.	9	3 55.66	− 0.12	+18.97	321 51 53.88	46.470	− 4.78	− 46.3	0 4 14.51	+64.48	+ 0 50 33.2	....
29	Sun II, S.	9	6 4.62	− 0.12	+18.97	321 19 51.85	46.448	− 4.78	− 47.2	0 6 23.47	−64.48	+ 0 18 28.7	....
30	δ Ursæ Minoris s. p.	9	1 11.83	+ 9.73	+19.00	54 22	......	....	. ....	18 1 40.56	.....	+86 36	....
31	θ Canis Majoris	9	49 38.76	− 0.13	+19.04	309 5 52.42	47.442	− 5.90	−1 12.5	6 49 57.64	.....	−11 55 33.9	....
32	ζ Geminorum	9	58 23.90	− 0.18	+18.97	341 43 51.58	44.830	− 5.90	− 19.5	6 58 42.73	.....	+20 42 18.6	....
33	γ Canis Majoris	9	59 19.58	− 0.14	+19.05	305 31 51.55	46.695	− 5.90	−1 22.6	6 59 38.45	.....	−15 30 2.1	....
34	λ Geminorum	9	12 33.04	− 0.17	+19.01	337 43 51.72	45.118	− 5.90	− 24.2	7 12 51.88	.....	+16 42 20.7	....
35	δ Geminorum	9	14 22.59	− 0.19	+19.02	343 9 51.88	46.837	− 5.90	− 17.9	7 14 41.41	.....	+22 9 6.2	....
36	ι Geminorum	8	19 45.83	− 0.22	+19.05	348 59 54.48	45.815	− 5.90	− 11.5	7 20 4.62	.....	+27 58 52.0	....
37	β Canis Minoris	9	21 54.19	− 0.14	+19.02	329 29 52.28	45.672	− 5.90	− 34.8	7 22 13.06	.....	+ 8 28 23.2	....
	March 22, P.												
38	μ Serpentis	9	44 33.83	− 0.10	+18.85	317 51 54.60	47.390	− 5.28	− 54.8	15 44 52.65	.....	− 3 9 14.6	....
39	γ Serpentis	9	51 56.65	− 0.14	+18.92	336 57 54.52	47.570	− 5.28	− 25.7	15 52 15.43	.....	+15 57 18.5	....
40	ν Scorpii (*mean*)	9	6 23.76	− 0.12	+18.85	301 49 52.48	43.390	− 5.28	−1 37.4	16 6 42.56	.....	−19 13 30.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 7 0	....	....	45.9
7 23	29.624	46.1	45.1
8 40	29.630	43.7	42.2
8 54	....	....	42.0
9 28	29.650	42.1	40.9
10 12	....	....	38.9
10 20	29.656	40.3	38.8
10 38	....	....	38.0
10 56	....	....	37.3
11 8	29.660	38.9	37.0
11 15	....	....	36.4
11 45	....	....	35.5
12 12	29.662	37.0	34.7
21 15 45	29.78*	30.5	29.2
16 6	....	....	28.4
16 21	29.79	29.8	28.1
17 15	29.81	28.2	26.7
18 1	29.82	27.0	25.7
22 38	29.85	37.1	35.4
23 32	29.835	37.8	37.6
22 0 6	29.828	39.0	39.0
6 47	29.83	39.2	38.8
7 3	....	....	38.0
7 22	29.84	38.2	37.7
15 42	29.883	29.0	27.0
16 0	....	....	27.0

Micrometer bisections are made at II, VI, except as noted below.

1, 28, 32, 34, 36.	Bisections at I, II.
2, 4, 29, 33.	Bisections at VI, VII.
9, 10, 12, 14, 16, 26, 27.	Bisections at I, II, VI, VII.
10.	Z. D. threads A used.
23.	Bisections at III, IV, V.
25.	Bisections at b_4, b_5, b_6.
35.	Bisections at II, VI, VII.

Notes.

34-37. Clouds.
35. Faint.
* Barometer reading changed from 29.88 in. to 29.78 in.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 1.0	.. ....	...	+ 1.0
26	+ 6.0	.. ....	− 0.3	+ 5.7
27	+ 3.6	.. ....	0.0	+ 3.6
28	+ 5.4	−16 2.2	...	−15 56.8
29	+ 5.5	+16 2.2	...	+16 7.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ophiuchi	9	9 16.00	− 0.10	+18.92	317 33 52.42	46.215	− 5.28	− 55.4	16 9 34.82	.....	− 3 27 44.2	....
2	γ Herculis	9	17 35.91	− 0.15	+18.92	340 23 51.58	43.500	− 5.28	− 21.6	16 17 54.68	.....	+19 21 46.6	....
3	λ Ophiuchi	9	26 0.80	− 0.11	+18.91	323 11 54.02	47.180	− 5.28	− 45.3	16 26 19.61	.....	+ 2 10 49.5	....
4	δ Herculis	9	10 58.92	− 0.18	+18.96	345 57 55.12	45.062	− 5.28	− 15.1	17 11 17.66	.....	+24 56 32.3	....
5	δ Ursæ Minoris	9	1 29.72	− 8.75	+18.92	47 35 51.10	46.884	− 5.28	+1 6.7	18 1 39.89	.....	+86 36 31.5	....
6	Mercury C, C	9	43 17.86	− 0.07	+18.96	310 37 53.60	44.608	− 4.68	−1 8.9	22 43 36.75	− 0.04	−10 24 32.7	....
7	Venus I, C	8	36 48.40	− 0.14	+18.96	316 57 53.88	47.085	− 4.63	− 55.0	23 37 7.22	+ 0.48	− 4 3 21.9	....
8	Venus II	9	36 49.37	− 0.14	+18.96	... .	......	....	.....	23 37 8.19	− 0.49	.. ..	....
	March 23, P.												
9	Sun I, N	9	7 34.15	− 0.15	+18.96	322 15 53.15	45.657	− 4.95	− 45.6	0 7 52.96	+64.52	+ 1 14 14.3	....
10	Sun II, S	9	9 43.19	− 0.15	+18.96	321 43 54.48	45.327	− 4.95	− 46.4	0 10 2.00	−64.52	+ 0 42 6.4	....
11	δ Ursæ Minoris s. p.	9	1 11.00	+10.11	+18.99	54 21 51.98	48.846	− 5.15	+1 21.4	18 1 40.10	.....	+86 36 27.2	....
12	ζ Geminorum	9	58 23.91	− 0.20	+18.96	341 43 50.92	44.865	− 5.15	− 19.3	6 58 42.70	.....	+20 42 19.7	....
13	γ Canis Majoris	9	59 19.58	− 0.14	+19.03	305 31 52.95	46.592	− 5.15	−1 21.6	6 59 38.43	.....	−15 30 1.3	....
14	λ Geminorum	9	12 33.07	− 0.19	+18.99	337 43 51.68	45.130	− 5.15	− 23.9	7 12 51.87	.....	+16 42 22.0	....
15	δ Geminorum	9	14 22.57	− 0.21	+19.05	343 9 52.38	46.812	− 5.15	− 17.6	7 14 41.35	.....	+22 9 7.1	....
16	ι Geminorum	9	19 45.91	− 0.25	+18.98	348 59 51.72	45.960	− 5.15	− 11.3	7 20 4.65	.....	+27 58 53.4	....
17	β Canis Minoris	9	21 54.19	− 0.16	+19.03	329 29 51.28	45.695	− 5.15	− 34.4	7 22 13.02	.....	+ 8 28 23.8	....
18	κ Geminorum	9	38 38.73	− 0.23	+19.02	345 37 51.22	46.748	− 5.15	− 14.9	7 38 57.50	.....	+24 37 7.3	....
	March 23, L.												
19	ε Serpentis	9	45 58.44	− 0.16	+18.89	325 45 53.60	47.262	− 5.58	− 40.3	15 46 17.27	.....	+ 4 44 55.6	....
20	γ Serpentis	9	51 56.68	− 0.19	+18.96	336 57 54.68	47.552	− 5.58	− 25.2	15 52 15.48	.....	+15 57 18.4	....
21	ν Scorpii (*mean*)	9	6 23.83	− 0.15	+18.84	301 49 53.40	43.275	− 5.58	−1 35.7	16 6 42.67	.....	−19 13 31.0	....
22	δ Ophiuchi	9	9 16.11	− 0.14	+18.87	317 33 53.72	46.128	− 5.58	− 54.4	16 9 34.96	.....	− 3 27 44.3	....
23	γ Herculis	9	17 35.97	− 0.20	+18.93	340 23 54.10	43.392	− 5.58	− 21.2	16 17 54.76	.....	+19 21 46.7	....
24	λ Ophiuchi	9	26 0.86	− 0.14	+18.90	323 11 55.08	47.132	− 5.58	− 44.6	16 26 19.71	.....	+ 2 10 49.9	....
25	δ Herculis	9	10 58.99	− 0.21	+18.95	345 57 56.22	45.025	− 5.58	− 14.9	17 11 17.77	.....	+24 56 32.5	....
26	α Ophiuchi	9	30 23.77	− 0.15	+18.93	333 39 55.25	42.592	− 5.58	− 29.6	17 30 42.61	.....	+12 37 21.2	....
27	δ Ursæ Minoris	9	1 29.78	− 8.98	+18.99	47 35 57.42	46.610	− 5.58	+1 5.7	18 1 39.79	.....	+86 36 30.5	....
	March 24, L.												
28	Sun I, N	9	11 12.56	− 0.10	+18.97	322 39 52.58	44.627	− 5.24	− 43.4	0 11 31.43	+64.43	+ 1 37 52.1	....
29	Sun II, S	9	13 21.41	− 0.10	+18.97	322 7 52.95	44.438	− 5.24	− 44.2	0 13 40.28	−64.42	+ 1 5 46.5	....
	March 25, M.												
30	Sun I, S	9	14 50.53	− 0.25	+19.12	322 31 53.62	43.272	− 5.34	− 43.1	0 15 9.40	+64.46	+ 1 29 22.5	....
31	Sun II, N	9	16 59.45	− 0.25	+19.12	323 3 53.08	43.528	− 5.34	− 42.2	0 17 18.32	−64.46	+ 2 1 27.6	....
32	δ Cancri	9	39 12.53	− 0.25	+19.10	339 29 54.48	47.620	− 5.56	− 21.6	8 39 31.38	.....	+18 29 23.5	....
33	ι Cancri	9	40 53.23	− 0.30	+19.20	350 7 55.28	42.685	− 5.56	− 10.0	8 41 12.03	.....	+29 5 43.0	....
34	76 Draconis s. p.	8	48 44.52	+ 4.21	+19.10	58 47 53.08	45.868	− 5.56	+1 35.7	20 49 7.83	.....	+82 11 20.5	....
35	α Cancri	8	53 12.33	− 0.23	+19.09	333 13 52.55	46.002	− 5.56	− 29.2	8 53 31.20	.....	+12 12 36.9	....
36	1 H. Draconis	9	24 1.69	− 3.41	+19.10	42 43 55.12	46.073	− 5.56	+ 53.8	9 24 17.38	.....	+81 44 3.9	....
37	ξ Leonis	9	26 44.32	− 0.22	+19.07	332 43 51.18	44.928	− 5.56	− 29.9	9 27 3.20	.....	+11 42 10.3	....
38	α Leonis	9	3 13.55	− 0.21	+19.08	333 25 51.98	46.287	− 5.56	− 29.0	10 3 32.44	.....	+12 24 43.1	....
39	λ Hydræ	9	5 50.99	− 0.20	+19.06	309 7 51.85	45.410	− 5.56	−1 11.3	10 6 9.89	.....	−11 54 19.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 16 22	......	....	27.0
16 28	29.890	28.9	27.1
17 13	29.895	28.1	27.0
18 5	29.904	28.1	26.8
22 41	29.933	39.1	39.1
23 38	[illegible]	41.0	40.3
23 0 10	29.905	41.8	41.0
5 57	29.825	46.0	46.1
6 54	29.824	43.9	44.0
7 10	......	....	43.8
7 33	......	....	43.0
7 40	29.820	42.2	43.0
15 47	29.774	36.3	36.1
16 10	......	....	33.3
16 18	......	....	32.7
16 27	29.782	34.2	32.9
17 12	29.780	33.1	32.9
17 31	......	....	32.3
18 3	29.776	33.0	31.7
24 0 13	29.67	52.2	54.2
25 0 17	28.810	47.5	45.6
8 36	29.12	38.8	36.9
8 56	......	....	36.7
9 29	29.13	37.1	35.8
10 0	......	....	35.5

Micrometer bisections are made at II, VI, except as noted below.

5, 11.	Bisections at b_1, b_3, b_5, b_7, b_9.
6, 7, 21, 23.	Bisections at I, II, VI, VII.
9, 28.	Bisections at I, II, III.
10, 29.	Bisections at V, VI, VII.
12, 14, 30, 32.	Bisections at I, II.
13, 31.	Bisections at VI, VII.
15, 22.	Bisections at II, VI, VII.
27.	Bisections at b_4, b_5, b_6.
34, 36.	Bisections at III, IV, V.
38.	Bisections at I, II, VI.
39.	Bisections at II, VII.

Notes.

22. Diffuse; faint, and unsteady.
23. Conditions poor; circle reading decreased 20′.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 5.9	.. ....	− 0.3	+ 5.6
7	+ 3.5	.. ....	0.0	+ 3.5
9	+ 5.4	−16 3.9	...	−15 58.5
10	+ 5.4	+16 4.0	...	+16 9.4
28	+ 5.3	−16 2.8	...	−15 57.5
29	+ 5.4	+16 2.7	...	+16 8.1
30	+ 5.3	+16 2.6	...	+16 7.9
31	+ 5.3	−16 2.5	...	−15 57.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	μ Hydræ	9	21 23.20	− 0.20	**+19.13**	304 39 51.45	45.808	− 5.56	−1 23.8	10 21 42.11	.....	−16 22 23.1	....
	March 25, P.												
2	Mercury C, C	9	0 14.11	− 0.16	+19.01	312 11 52.90	44.026	− 4.85	−1 3.8	23 0 32.96	− 0.04	− 8 50 41.7	....
3	Venus I, C	7	50 30.86	− 0.14	+19.02	318 27 53.18	43.596	− 4.85	− 51.0	23 50 49.74	+ 0.46	− 2 34 38.5	....
4	Venus II	7	50 31.79	− 0.14	+19.02	... .	......	....	.....	23 50 50.67	− 0.47	.. ..	....
	March 26, P.												
5	Sun I, S	7	18 28.68	− 0.13	+19.02	322 53 51.60	47.500	− 4.86	− 43.5	0 18 47.57	+64.59	+ 1 52 57.1	....
6	Sun II, N	7	20 37.86	− 0.13	+19.02	323 25 54.18	47.560	− 4.86	− 42.6	0 20 56.75	−64.59	+ 2 25 1.1	....
7	Moon I, S	9	49 40.81	− 0.22	+19.02	342 27 52.62	48.733	− 5.25	− 17.9	4 49 59.61	+70.74	+21 27 51.0	....
8	δ Cancri	9	39 12.53	− 0.21	**+19.04**	339 29 53.18	47.732	− 5.55	− 21.5	8 39 31.34	.....	+18 29 24.9	....
9	ι Cancri	9	40 53.34	− 0.27	**+19.05**	350 7 52.68	42.813	− 5.55	− 10.0	8 41 12.09	.....	+29 5 43.2	....
10	76 Draconis s. p.	9	48 44.33	+ 4.24	+19.02	58 47 51.55	45.947	− 5.55	+1 35.4	20 49 7.59	.....	+82 11 20.5	....
11	α Cancri	9	53 12.35	− 0.19	**+19.02**	333 13 52.80	46.032	− 5.55	− 29.0	8 53 31.18	.....	+12 12 38.1	....
12	1 H. Draconis	9	24 1.56	− 3.40	+19.02	42 43 51.60	46.230	− 5.55	+ 53.6	9 24 17.18	.....	+81 44 3.8	....
13	η Leonis	9	2 4.33	− 0.21	**+18.97**	338 13 53.25	45.240	− 5.55	− 23.1	10 2 23.14	.....	+17 12 26.3	....
14	λ Hydræ	9	5 51.02	− 0.17	**+18.99**	309 7 54.18	45.292	− 5.55	−1 11.0	10 6 9.87	.....	−11 54 19.4	....
15	ζ Leonis	9	11 19.96	− 0.24	**+19.05**	344 53 52.82	44.608	− 5.55	− 15.6	10 11 38.74	.....	+23 52 18.9	....
16	μ Hydræ	9	21 23.24	− 0.18	**+19.06**	304 39 53.52	45.762	− 5.55	−1 23.4	10 21 42.08	.....	−16 22 21.8	....
	March 26, L.												
17	β Serpentis	9	41 41.06	− 0.21	**+19.02**	336 43 55.00	44.668	− 6.06	− 25.1	15 41 59.86	.....	+15 42 12.5	....
18	ε Serpentis	9	45 58.47	− 0.18	**+18.95**	325 45 53.90	47.282	− 6.06	− 39.8	15 46 17.30	.....	+ 4 44 56.4	....
19	ε Coronæ Borealis	9	53 31.07	− 0.26	**+19.00**	348 9 56.35	44.180	− 6.06	− 12.2	15 53 49.82	.....	+27 8 15.5	....
20	151 H¹. Cephei s. p.	9	7 4.56	+ 6.81	+19.01	55 39 56.30	46.672	− 6.06	+1 25.9	4 7 30.38	.....	+85 19 9.4	....
21	ε Ophiuchi	9	13 11.85	− 0.17	**+18.99**	316 33 52.90	44.558	− 6.06	− 55.4	16 13 30.69	.....	− 4 28 22.4	....
22	λ Ophiuchi	9	26 0.91	− 0.17	**+18.96**	323 11 54.55	47.162	− 6.06	− 43.8	16 26 19.75	.....	+ 2 10 50.3	....
23	δ Herculis	9	10 58.98	− 0.22	**+19.06**	345 57 57.82	44.982	− 6.06	− 14.6	17 11 17.77	.....	+24 56 32.9	....
24	α Ophiuchi	9	30 23.76	− 0.17	**+19.05**	333 37 54.62	47.870	− 6.06	− 29.0	17 30 42.60	.....	+12 37 21.3	....
25	δ Ursæ Minoris	9	1 31.22	− 8.59	+19.01	47 35 54.12	46.835	− 6.06	+1 4.6	18 1 41.64	.....	+86 36 30.8	....
26	Mercury C, C	9	6 0.51	− 0.15	+19.03	312 43 51.68	48.530	− 5.01	−1 0.7	23 6 19.39	− 0.03	− 8 16 57.1	....
	March 28, P.												
27	Moon I, N	9	46 38.95	− 0.22	+19.10	345 51 50.95	48.500	− 5.92	− 14.4	6 46 57.83	+69.96	+24 51 46.8	....
28	ι Geminorum	9	19 45.64	− 0.21	**+19.13**	348 59 51.05	46.058	− 6.27	− 11.2	7 20 4.53	.....	+27 58 53.9	....
29	β Canis Minoris	9	21 54.02	− 0.17	**+19.13**	329 29 51.68	45.712	− 6.30	− 34.0	7 22 12.95	.....	+ 8 28 23.9	....
30	κ Geminorum	9	38 38.50	− 0.20	**+19.13**	345 37 50.98	46.790	− 6.47	− 14.8	7 38 57.40	.....	+24 37 6.9	....
31	β Geminorum	9	39 26.13	− 0.21	**+19.13**	349 15 50.48	46.118	− 6.50	− 10.9	7 39 45.02	.....	+28 14 54.6	....
32	φ Geminorum	9	47 37.05	− 0.20	**+19.09**	348 1 50.58	44.365	− 6.58	− 12.2	7 47 55.95	.....	+27 0 13.5	....
33	χ Geminorum	9	57 37.20	− 0.20	**+19.10**	349 3 50.52	46.662	− 6.68	− 11.1	7 57 56.10	.....	+28 3 6.9	....
34	β Cancri	9	11 16.17	− 0.16	**+19.09**	330 29 51.12	44.655	− 6.83	− 32.7	8 11 35.11	.....	+ 9 27 59.9	....
35	30 Monocerotis	9	20 48.14	− 0.16	**+19.17**	317 25 50.78	43.960	− 6.93	− 53.1	8 21 7.08	.....	− 3 36 36.8	....
	March 28, M.												
36	β Serpentis	9	41 40.87	− 0.21	**+19.26**	336 43 50.30	44.830	− 6.54	− 25.0	15 41 59.86	.....	+15 42 11.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 10 21	29.14	36.0	35.4
22 58	29.384	43.8	41.0
23 51	29.39	44.6	43.7
26 0 21	29.39	45.1	43.9
4 52	29.398	51.0	51.2
8 37	29.450	44.5	44.6
8 47	......	....	43.9
8 55	......	....	44.1
9 20	......	....	43.8
9 29	29.450	43.0	42.1
10 0	......	....	42.0
10 23	29.450	41.8	42.2
15 40	29.410	36.5	36.1
15 52	......	....	36.1
16 14	......	....	35.9
16 27	29.402	36.0	35.5
17 12	29.394	35.1	34.7
17 31	......	....	34.5
18 1	29.382	35.2	34.0
23 7	29.300	53.7	54.2
28 6 44	29.356	45.0	43.0
7 18	......	....	42.3
7 35	......	....	42.0
7 55	29.384	43.1	42.0
8 10	......	....	41.5
8 23	29.398	42.3	41.1
15 38	29.39	37.3	37.8

Micrometer bisections are made at II, VI, except as noted below.

2, 3, 26.	Bisections at I, II, VI, VII.
5, 8, 30.	Bisections at I, II.
6.	Bisections at V, VI, VII.
7, 27.	Bisections at II, III, IV, V, VI.
9, 16.	Bisections at II, VI, VII.
10, 12.	Bisections at III, IV, V.
20, 25.	Bisections at b_4, b_5, b_6.
31.	Bisections at VI, VII.

Notes.
22. Diffuse.
36. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 5.5	.. ....	− 0.3	+ 5.2
3	+ 3.4	.. ....	0.0	+ 3.4
5	+ 5.3	+16 2.0	...	+16 7.3
6	+ 5.2	−16 1.9	...	−15 56.7
7	+17 6.5	+15 45.2	...	+32 51.7
26	+ 5.5	.. ....	− 0.3	+ 5.2
27	+13 23.0	−15 15.8	...	− 1 52.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	μ Serpentis	9	44 33.78	− 0.19	**+19.14**	317 51 51.15	47.497	− 6.54	− 52.6	15 44 52.79	.....	− 3 9 14.7	....
2	ε Coronæ Borealis	9	53 30.97	− 0.25	**+19.15**	348 9 53.32	44.290	− 6.54	− 12.2	15 53 49.92	.....	+27 8 14.5	....
3	151 H¹. Cephei s. p.	9	7 5.06	+ 6.15	+19.21	55 39 50.90	47.030	− 6.54	+1 25.6	4 7 30.42	.....	+85 19 7.4	....
4	ε Ophiuchi	9	13 11.76	− 0.19	**+19.15**	316 33 47.55	44.758	− 6.54	− 55.2	16 13 30.78	.....	− 4 28 23.5	....
5	β Herculis	9	25 59.99	− 0.22	**+19.14**	342 41 51.68	46.690	− 6.54	− 18.1	16 26 18.98	.....	+21 41 1.8	....
6	Mercury C, C	9	17 44.38	− 0.19	+19.20	313 55 51.18	46.005	− 5.93	− 59.2	23 18 3.39	− 0.03	− 7 5 54.7	....
7	Venus C, C	9	4 10.82	− 0.18	+19.20	319 55 50.92	47.286	− 5.93	− 47.9	0 4 29.84	0.00	− 1 5 14.4	....
	March 29, M.												
8	Sun I, N	9	29 23.06	− 0.18	+19.20	324 35 51.40	48.608	− 5.94	− 40.3	0 29 42.08	+64.43	+ 3 35 24.4	....
9	Sun II, S	9	31 31.92	− 0.18	+19.20	324 3 51.60	48.405	− 5.94	− 41.1	0 31 50.94	−64.43	+ 3 3 18.1	....
10	κ Geminorum	9	38 38.52	− 0.26	**+19.15**	345 38	......	....	. ....	7 38 57.46	.....	+24 37	....
11	β Geminorum	9	39 26.07	− 0.28	**+19.25**	349 16	......	....	. ....	7 39 44.99	.....	+28 14	....
12	Moon I, N	9	43 11.13	− 0.27	+19.20	345 11 51.68	45.334	− 6.31	− 14.9	7 43 30.06	+68.62	+24 10 34.3	....
13	φ Geminorum	9	47 37.01	− 0.27	**+19.18**	348 2	......	....	. ....	7 47 55.94	.....	+27 0	....
14	η Cancri	9	27 8.26	− 0.25	**+19.22**	341 46	......	....	. ....	8 27 27.21	.....	+20 45	....
	March 30, P.												
15	Sun I, N	9	33 1.33	− 0.14	+19.10	324 59 52.78	46.785	− 5.49	− 40.5	0 33 20.29	+64.51	+ 3 58 44.3	....
16	Sun II, S	9	35 10.36	− 0.14	+19.10	324 27 52.45	46.715	− 5.49	− 41.3	0 35 29.32	−64.52	+ 3 26 40.6	....
17	30 Monocerotis	9	20 48.19	− 0.19	**+19.12**	317 25 52.75	43.810	− 5.86	− 53.6	8 21 7.10	.....	− 3 36 37.7	....
18	η Cancri	9	27 8.36	− 0.21	**+19.07**	341 45 51.78	46.920	− 5.89	− 19.2	8 27 27.25	.....	+20 45 6.7	....
19	Moon I, N	9	37 21.15	− 0.21	+19.10	343 15 53.05	47.041	− 5.94	− 17.6	8 37 40.04	+66.88	+22 15 12.4	....
20	θ Hydræ	9	9 19.38	− 0.19	**+19.16**	323 43 50.58	44.782	− 6.09	− 43.0	9 9 38.29	.....	+ 2 41 52.7	....
21	α Hydræ	9	22 48.58	− 0.20	**+19.12**	312 45 52.72	46.142	− 6.16	−1 3.3	9 23 7.48	.....	− 8 15 54.4	....
22	ξ Leonis	9	26 44.20	− 0.19	**+19.11**	332 43 52.80	44.962	− 6.18	− 30.2	9 27 3.11	.....	+11 42 11.8	....
23	η Leonis	9	2 4.29	− 0.20	**+18.97**	338 13 53.10	45.295	− 6.35	− 23.4	10 2 23.19	.....	+17 12 26.3	....
24	ζ Leonis	9	11 19.84	− 0.22	**+19.12**	344 53 52.35	44.672	− 6.39	− 15.8	10 11 38.72	.....	+23 52 18.9	....
25	39 H. Cephei s. p.	9	26 56.11	+ 7.99	+19.10	54 11 48.25	44.595	− 6.44	+1 21.8	23 27 23.20	.....	+86 48 9.0	....
26	6 B. Ursæ Minoris	9	15 3.17	−13.41	+19.10	49 11 49.52	46.450	− 6.44	+1 8.6	12 15 8.86	.....	+88 12 20.9	....
	March 30, L.												
27	β Serpentis	9	41 41.04	− 0.22	**+19.15**	336 43 51.88	44.818	− 6.17	− 25.3	15 41 59.91	.....	+15 42 12.5	....
28	ε Serpentis	9	45 58.51	− 0.21	**+19.04**	325 45 52.05	47.365	− 6.17	− 40.0	15 46 17.39	.....	+ 4 44 56.1	....
29	ε Coronæ Borealis	9	53 31.07	− 0.26	**+19.11**	348 9 52.98	44.348	− 6.17	− 12.3	15 53 49.90	.....	+27 8 15.8	....
30	151 H¹. Cephei s. p.	9	7 4.50	+ 5.92	+19.09	55 39 47.58	47.113	− 6.17	+1 26.5	4 7 29.51	.....	+85 19 7.5	....
31	ε Ophiuchi	9	13 11.94	− 0.21	**+19.04**	316 33 51.18	44.630	− 6.17	− 55.8	16 13 30.82	.....	− 4 28 23.0	....
32	α Ophiuchi	9	26 0.94	− 0.21	**+19.07**	323 11 52.35	47.262	− 6.17	− 44.1	16 26 19.82	.....	+ 2 10 50.0	....
33	δ Herculis	9	10 59.04	− 0.25	**+19.14**	345 57 53.65	45.162	− 6.17	− 14.7	17 11 17.88	.....	+24 56 32.6	....
34	α Ophiuchi	9	30 23.89	− 0.21	**+19.07**	333 37 52.05	47.948	− 6.17	− 29.2	17 30 42.77	.....	+12 37 20.3	....
35	δ Ursæ Minoris	9	1 31.50	− 7.50	+19.09	47 35 52.02	46.933	− 6.17	+1 4.8	18 1 43.09	.....	+86 36 31.0	....
	March 31, L.												
36	ι Cancri	9	40 53.09	− 0.28	**+19.23**	350 7 54.08	42.800	− 6.92	− 10.1	8 41 11.92	.....	+29 5 42.9	....
37	76 Draconis s. p.	9	48 45.51	+ 3.84	+19.11	58 47 51.40	45.960	− 6.92	+1 36.6	20 49 8.46	.....	+82 11 20.7	....
38	α Cancri	9	53 12.18	− 0.22	**+19.16**	333 13 51.38	46.165	− 6.92	− 29.4	8 53 31.07	.....	+12 12 37.9	....
39	1 H. Draconis	9	24 0.44	− 3.03	+19.11	42 43 50.28	46.327	− 6.92	+ 54.3	9 24 16.52	.....	+81 44 4.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 15 52	......	....	38.5
16 17	29.385	37.4	37.0
23 18	29.50	49.8	49.0
0 4	29.49	51.2	50.4
29 0 32	29.484	52.0	52.0
7 43	29.40	52.8	51.5
30 0 35	29.48	43.4	42.8
8 19	29.573	41.0	39.7
8 41	......	....	39.0
9 7	[illegible]	40.0	38.3
9 40	......	....	38.0
10 0	......	....	37.2
10 13	[illegible]	38.5	37.1
11 24	[illegible]	37.0	36.0
12 19	[illegible]	[illegible]	35.5
15 40	[illegible]	38.0	37.1
15 54	......	....	37.0
16 11	......	....	36.4
16 27	......	....	36.3
16 55	[illegible]	37.1	....
17 12	......	....	36.0
17 32	......	....	36.6
18 2	29.668	37.3	36.7
31 8 38	29.774	43.9	42.9
8 54	......	....	42.7
9 27	......	....	41.7

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, VI, VII.
3, 26, 30, 35, 37, 39.	Bisections at b_4, b_5, b_6.
6, 7.	Bisections at I, II, VI, VII.
8, 15.	Bisections at I, II.
9, 16.	Bisections at VI, VII.
12, 19.	Bisections at II, III, IV, V, VI.
25.	Bisections at b_1, b_3, b_5, b_7, b_9.

Notes.

1, 3.	Haze.
5.	Clouds; poor.
10-12, 34, 35.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 5.3	.. ....	− 0.2	+ 5.1
7	+ 3.3	.. ....	0.0	+ 3.3
8	+ 5.1	−16 3.1	...	−15 58.0
9	+ 5.1	+16 3.2	...	+16 8.3
12	+13 51.4	−15 4.3	...	− 1 12.9
15	+ 5.0	−16 1.8	...	−15 56.8
16	+ 5.1	+16 1.8	...	+16 6.9
19	+15 29.2	−14 55.5	...	+ 33.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, N.	9	28 49.46	− 0.22	+19.11	340 17 53.72	47.538	− 6.92	− 20.9	9 29 8.35	+65.02	+19 17 20.1	....
2	μ Leonis.	9	47 17.32	− 0.25	**+19.08**	347 27 54.20	44.228	− 6.92	− 13.0	9 47 36.18	.....	+26 26 12.8	....
3	η Leonis.	9	2 4.23	− 0.21	**+19.03**	338 13 52.12	45.350	− 6.92	− 23.4	10 2 23.13	.....	+17 12 26.0	....
4	λ Hydræ.	9	5 50.84	− 0.21	**+19.17**	309 7 51.48	45.498	− 6.92	−1 11.9	10 6 9.74	.....	−11 54 19.7	....
5	ζ Leonis.	9	11 19.82	− 0.23	**+19.14**	344 53 52.50	44.680	− 6.92	− 15.8	10 11 38.70	.....	+23 52 18.7	....
6	μ Hydræ.	9	21 23.19	− 0.21	**+19.10**	304 39 51.80	45.912	− 6.92	−1 24.6	10 21 42.09	.....	−16 22 22.6	....
	March 31, M.												
7	β Serpentis.	9	41 40.93	− 0.22	**+19.28**	336 43 51.62	44.772	− 6.60	− 25.3	15 41 59.94	.....	+15 42 10.7	....
8	ε Serpentis.	9	45 58.37	− 0.21	**+19.20**	325 45 50.02	47.410	− 6.60	− 40.1	15 46 17.39	.....	+ 4 44 54.6	....
9	ε Coronæ Borealis.	9	53 30.99	− 0.25	**+19.20**	348 9 52.55	44.342	− 6.60	− 12.3	15 53 49.97	.....	+27 8 14.8	....
10	151 H¹. Cephei S. P.	9	7 4.22	+ 5.92	+19.23	55 39 49.98	47.023	− 6.60	+1 26.7	4 7 29.37	.....	+85 19 7.4	....
11	ε Ophiuchi.	9	13 11.85	− 0.21	**+19.16**	316 33 49.45	44.718	− 6.60	− 55.9	16 13 30.87	.....	− 4 28 23.2	....
12	β Herculis.	9	26 0.03	− 0.23	**+19.19**	342 41 51.68	46.708	− 6.60	− 18.4	16 26 19.03	.....	+21 41 1.9	....
13	δ Herculis.	9	10 58.97	− 0.24	**+19.23**	345 57 53.95	45.100	− 6.60	− 14.8	17 11 17.96	.....	+24 56 31.0	....
14	α Ophiuchi.	9	30 23.78	− 0.21	**+19.21**	333 37 50.50	48.025	− 6.60	− 29.3	17 30 42.80	.....	+12 37 19.9	....
15	δ Ursæ Minoris.	9	1 31.56	− 7.49	+19.23	47 35 52.92	46.927	− 6.60	+1 5.1	18 1 43.30	.....	+86 36 31.6	....
16	Mercury C, C.	9	35 48.56	− 0.25	+19.26	315 51 51.42	44.180	− 6.56	− 56.0	23 36 7.57	− 0.02	− 5 10 33.6	....
17	Venus C, C.	9	17 48.82	− 0.25	+19.26	321 25 50.98	46.642	− 6.56	− 45.9	0 18 7.83	0.00	+ 0 24 32.3	....
	April 1, M.												
18	Sun I, S.	9	40 17.64	− 0.25	+19.26	325 13 50.92	47.858	− 6.39	− 39.9	0 40 36.65	+64.45	+ 4 13 6.6	....
19	Sun II, N.	9	42 26.53	− 0.25	+19.26	325 45 51.10	47.972	− 6.39	− 39.1	0 42 45.54	−64.44	+ 4 45 9.4	.. .
	April 2, P.												
20	Moon I, N.	9	4 27.32	− 0.21	+19.21	332 3 54.12	48.577	− 5.40	− 30.9	11 4 46.32	+61.99	+11 3 35.8	....
21	δ Crateris.	9	14 29.33	− 0.24	**+19.19**	306 45 52.02	43.220	− 5.47	−1 18.0	11 14 48.30	.....	−14 17 15.6	....
22	σ Leonis.	9	16 8.63	− 0.21	**+19.17**	327 33 53.08	43.798	− 5.48	− 37.1	11 16 27.63	.....	+ 6 31 39.3	....
23	39 H. Cephei S. P.	9	26 56.33	+ 8.10	+19.21	54 11 53.92	44.378	− 5.53	+1 21.1	23 27 23.64	.....	+86 48 8.1	....
24	β Virginis.	9	45 39.31	− 0.21	**+19.18**	323 17 53.60	46.580	− 5.66	− 43.5	11 45 58.31	.....	+ 2 16 36.2	....
25	π Virginis.	9	55 54.57	− 0.21	**+19.20**	328 9 52.32	42.770	− 5.72	− 36.2	11 56 13.57	.....	+ 7 7 15.7	....
26	ο Virginis.	9	0 16.45	− 0.21	**+19.20**	330 15 52.18	45.262	− 5.76	− 33.3	12 0 35.45	.....	+ 9 14 15.3	....
27	γ Corvi.	9	10 49.52	− 0.24	**+19.16**	303 59 52.42	46.200	− 5.81	−1 26.3	12 11 8.49	.....	−17 2 16.0	....
28	6 B. Ursæ Minoris.	7	15 4.19	−13.69	+19.21	49 11 52.10	46.405	− 5.85	+1 7.9	12 15 9.71	.....	+88 12 22.4	....
29	δ Corvi.	9	24 51.22	− 0.24	**+19.27**	305 1 53.35	45.125	− 5.92	−1 23.2	12 25 10.19	.....	−16 0 36.7	....
30	ρ Virginis.	9	36 58.78	− 0.21	**+19.22**	331 45 53.12	44.920	− 6.00	− 31.4	12 37 17.78	.....	+10 44 10.1	....
31	31 Comæ Berenices.	9	46 58.33	− 0.25	**+19.18**	349 3 52.22	43.908	− 6.05	− 11.3	12 47 17.29	.....	+28 2 6.1	....
	April 2, L.												
32	μ Serpentis.	9	44 33.87	− 0.23	**+19.21**	317 51 52.45	47.458	− 5.98	− 52.9	15 44 52.84	.....	− 3 9 13.8	....
33	ε Serpentis.	9	45 58.43	− 0.23	**+19.21**	325 45 53.70	47.285	− 5.98	− 39.8	15 46 17.40	.....	+ 4 44 56.4	....
34	ε Coronæ Borealis.	9	53 31.02	− 0.28	**+19.25**	348 9 52.80	44.380	− 5.98	− 12.2	15 53 49.94	.....	+27 8 16.6	....
35	151 H¹. Cephei S. P.	9	7 4.11	+ 6.08	+19.20	55 39 50.98	46.993	− 5.98	+1 26.0	4 7 29.39	.....	+85 19 7.2	....
36	ε Ophiuchi.	9	13 11.95	− 0.23	**+19.13**	316 33 53.05	44.537	− 5.98	− 55.4	16 13 30.92	.....	− 4 28 22.7	....
37	β Herculis.	9	26 0.11	− 0.26	**+19.19**	342 41 52.92	46.690	− 5.98	− 18.2	16 26 19.05	.....	+21 41 3.5	....
38	δ Herculis.	9	10 59.06	− 0.27	**+19.23**	345 57 55.88	45.072	− 5.98	− 14.6	17 11 17.99	.....	+24 56 33.1	....
39	α Ophiuchi.	9	30 23.86	− 0.23	**+19.21**	333 37 52.12	47.962	− 5.98	− 29.0	17 30 42.83	.....	+12 37 21.0	....
40	89 Herculis.	9	51 26.09	− 0.27	**+19.31**	347 3 52.78	47.882	− 5.98	− 13.4	17 51 45.02	.....	+26 3 35.4	....
41	δ Ursæ Minoris.	4	1 32.00	− 7.74	+19.20	47 35 53.25	46.907	− 5.98	+1 4.3	18 1 43.46	.....	+86 36 31.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
31 9 48	......	....	41.4
10 1	......	....	41.4
10 22	29.780	42.1	41.1
15 40	29.805	39.1	38.6
16 25	29.815	38.8	37.7
17 11	29.825	37.8	37.2
18 2	29.83	37.4	36.8
23 36	29.885	50.2	49.9
0 18	29.87	50.8	51.3
1 0 42	29.856	51.5	51.6
2 11 2	29.604	43.1	41.0
11 21	......	....	40.3
11 50	29.590	42.1	40.2
12 9	......	....	40.0
12 32	......	....	39.5
12 49	29.590	41.0	39.1
15 43	29.490	38.7	36.9
15 54	......	....	36.9
16 11	......	....	36.7
16 28	......	....	37.0
17 12	29.470	38.0	36.7
17 31	......	....	37.0
17 52	......	....	37.0
18 5	29.472	38.7	37.1

Micrometer bisections are made at II, VI, except as noted below.

1, 20. Bisections at II, III, IV, V, VI.
4, 6, 16, 17. Bisections at I, II, VI, VII.
10, 15, 28, 35. Bisections at b_4, b_5, b_6.
18. Bisections at I, II, III.
19. Bisections at V, VI, VII.
21, 32. Bisections at I, II.
23. Bisections at b_1, b_3, b_5, b_7, b_9.
29, 36. Bisections at II, VI, VII.
41. Bisections at b_3, b_4, b_5.

Notes.

6. Diffuse and unsteady.
32. Haze.
36. Faint, through haze; unsteady.
41. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+18 2.9	−14 49.3	...	+ 3 13.6
16	+ 5.0	.. ....	− 0.2	+ 4.8
17	+ 3.2	.. ....	0.0	+ 3.2
18	+ 5.0	+16 1.4	...	+16 6.4
19	+ 4.9	−16 1.3	...	−15 56.4
20	+25 1.7	−14 43.9	...	+10 17.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 3, L.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, N	9	49 42.45	− 0.22	+19.23	327 11 54.15	47.607	− 6.91	− 37.5	11 50 1.46	+61.17	+ 6 11 5.6	....
2	γ Corvi	9	10 49.47	− 0.26	**+19.23**	303 59 53.92	46.091	− 6.91	−1 26.1	12 11 8.44	.....	−17 2 17.8	....
3	η Virginis	9	14 56.94	− 0.22	**+19.28**	320 51 54.60	45.847	− 6.91	− 47.3	12 15 15.95	.....	− 0 9 44.1	....
4	δ Corvi	9	24 51.27	− 0.25	**+19.23**	305 1 53.82	45.130	− 6.91	−1 22.8	12 25 10.25	.....	−16 0 36.6	....
5	31 Comæ Berenices	9	46 58.33	− 0.27	**+19.21**	349 3 54.10	43.858	− 6.91	− 11.2	12 47 17.29	.....	+28 2 6.1	....
6	δ Virginis	9	50 43.15	− 0.22	**+19.23**	324 55 53.60	43.405	− 6.91	− 40.8	12 51 2.16	.....	+ 3 53 25.7	....
7	ε Virginis	9	57 20.88	− 0.23	**+19.23**	332 27 53.60	46.592	− 6.91	− 30.3	12 57 39.88	.....	+11 26 49.0	....
8	θ Virginis	9	4 56.24	− 0.23	**+19.18**	315 57 55.50	47.410	− 6.91	− 56.2	13 5 15.24	.....	− 5 3 16.3	....
9	43 Comæ Berenices	9	7 19.94	− 0.27	**+19.28**	349 21 54.88	44.320	− 6.91	− 10.9	13 7 38.90	.....	+28 20 17.7	....
	April 4, P.												
10	39 H. Cephei s. p.	9	26 56.67	+ 7.60	+19.24	54 11 52.00	44.604	− 6.97	+1 20.3	23 27 23.51	.....	+86 48 7.1	....
11	γ Corvi	9	10 49.50	− 0.24	**+19.18**	303 59 54.10	46.072	− 6.97	−1 25.6	12 11 8.50	.....	−17 2 17.5	....
12	6 B. Ursæ Minoris	7	15 3.67	−12.80	+19.24	49 11 52.85	46.483	− 6.97	+1 7.3	12 15 10.11	.....	+88 12 23.2	....
13	δ Corvi	7	24 51.21	− 0.23	**+19.28**	305 1 54.62	45.098	− 6.97	−1 22.4	12 25 10.22	.....	−16 0 36.4	....
14	Moon I, N	9	34 14.01	− 0.20	+19.24	322 1 54.18	52.218	− 6.97	− 45.1	12 34 33.05	+60.93	+ 1 2 43.3	....
15	35 Virginis	9	42 55.27	− 0.20	**+19.33**	325 5 54.28	45.112	− 6.97	− 40.4	12 43 14.31	.....	+ 4 4 5.5	....
16	31 Comæ Berenices	9	46 58.31	− 0.23	**+19.19**	349 3 53.05	43.942†	− 6.97	− 11.2	12 47 17.32	.....	+28 1 6.9	....
17	δ Virginis	9	50 43.11	− 0.20	**+19.25**	324 55 52.65	43.455†	− 6.97	− 40.7	12 51 2.15	.....	+ 3 53 25.9	....
18	ε Virginis	9	57 20.91	− 0.20	**+19.18**	332 27 54.25	46.585	− 6.97	− 30.2	12 57 39.95	.....	+11 26 49.5	....
	April 4, M.												
19	β Serpentis	9	41 40.93	− 0.25	**+19.40**	336 43 52.98	44.792	− 6.90	− 25.0	15 42 0.02	.....	+15 42 12.5	....
20	μ Serpentis	9	44 33.79	− 0.24	**+19.34**	317 51 51.35	47.468	− 6.90	− 52.6	15 44 52.89	.....	− 3 9 15.5	....
21	ε Coronæ Borealis	9	53 30.99	− 0.28	**+19.33**	348 9 54.80	44.285	− 6.90	− 12.2	15 53 50.05	.....	+27 8 15.5	....
22	151 H^1. Cephei s. p.	8	7 4.08	+ 5.66	+19.34	55 39 53.20	47.000	− 6.90	+1 25.5	4 7 29.08	.....	+85 19 6.2	....
23	β Herculis	9	26 0.06	− 0.26	**+19.29**	342 41 53.45	46.658	− 6.90	− 18.1	16 26 19.14	.....	+21 41 2.5	....
24	δ Herculis	9	10 59.00	− 0.27	**+19.34**	345 57 55.20	45.080	− 6.90	− 14.5	17 11 18.07	.....	+24 56 31.8	....
25	α Ophiuchi	9	30 23.81	− 0.24	**+19.32**	333 37 52.62	47.940	− 6.90	− 28.8	17 30 42.91	.....	+12 37 20.1	....
26	89 Herculis	8	51 26.07	− 0.28	**+19.40**	347 3 53.25	47.830	− 6.90	− 13.3	17 51 45.13	.....	+26 3 33.9	....
27	δ Ursæ Minoris	9	1 32.56	− 7.23	+19.34	47 35 55.35	46.915	− 6.90	+1 4.1	18 1 44.67	.....	+86 36 32.5	....
28	Venus C, C	9	35 58.88	− 0.26	+19.35	323 25 53.25	45.596	− 6.13	− 42.0	0 36 17.97	0.00	+ 2 24 15.0	....
	April 5, M.												
29	Sun I, N	8	54 51.70	− 0.26	+19.35	327 17 53.15	47.345	− 6.13	− 36.2	0 55 10.79	+64.59	+ 6 17 1.1	....
30	Sun II, S	9	57 0.89	− 0.26	+19.35	326 45 52.48	47.470	− 6.13	− 37.0	0 57 19.98	−64.60	+ 5 45 1.5	....
	April 5, P.												
31	43 H. Cephei s. p.	9	55 24.17	+ 5.14	+19.26	55 13 54.00	44.467	− 6.10	+1 22.6	0 55 48.57	.....	+85 46 5.1	....
32	Moon N	.	.. ..	...	.....	316 49 51.98	48.643	− 6.31	− 53.7	.. ..	.....	− 4 10 51.8	....
33	Moon II, S	9	20 54.28	− 0.29	+19.26	316 19 51.42	48.520	− 6.31	− 54.7	13 21 13.25	−61.30	− 4 40 49.4	....
34	*m* Virginis	9	36 32.08	− 0.29	**+19.24**	312 47 51.58	43.980	− 6.10	−1 1.9	13 36 51.05	.....	− 8 14 43.5	....
35	89 Virginis	9	44 37.53	− 0.32	**+19.25**	303 21 51.90	44.478	− 6.10	−1 26.9	13 44 56.47	.....	−17 40 56.7	....
36	η Boötis	9	50 3.26	− 0.27	**+19.25**	339 51 52.48	47.000	− 6.10	− 21.0	13 50 22.25	.....	+18 51 7.3	....
37	τ Virginis	9	56 42.88	− 0.27	**+19.24**	323 1 52.18	42.385	− 6.10	− 43.2	13 57 1.87	.....	+ 1 58 59.4	....
38	*d* Boötis	9	5 57.16	− 0.29	**+19.29**	346 31 49.88	47.122	− 6.10	− 13.7	14 6 16.13	.....	+25 31 14.7	....
39	α Boötis	9	11 12.72	− 0.27	**+19.28**	340 41 51.32	42.075	− 6.10	− 20.1	14 11 31.71	.....	+19 39 14.5	....
40	λ Virginis	9	13 53.02	− 0.30	**+19.22**	308 5 53.35	43.055	− 6.10	−1 13.2	14 14 11.98	.....	−12 57 14.1	....
41	*f* Boötis	9	21 55.46	− 0.27	**+19.28**	340 39 52.02	44.105	− 6.10	− 20.2	14 22 14.45	.....	+19 38 1.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
3 11 49	29.57	41.5	41.4
12 12	......	....	41.1
12 26	......	....	42.0
12 51	......	....	41.7
13 8	29.585	42.1	41.3
4 11 23	29.823	49.1	49.0
12 9	......	....	48.0
12 31	29.830	48.2	47.8
12 59	29.840	48.0	47.0
15 39	29.815	45.3	45.0
16 4	......	....	44.8
16 24	29.805	44.8	44.4*
17 14	......	....	44.2
17 29	29.79	44.7	44.1
18 6	29.795	44.2	43.8
0 36	29.824	58.0	58.8
5 0 57	29.818	59.0	59.9
12 52	29.760	53.9	52.6
13 18	......	....	51.3
13 21	......	....	51.2
13 42	29.758	52.5	51.0
14 0	......	....	50.5
14 24	29.754	51.4	50.0

Micrometer bisections are made at II, VI, except as noted below.

1, 14. Bisections at II, III, IV, V, VI.
2, 4, 28. Bisections at I, II, VI, VII.
3. Bisections at III, VI, VII.
10, 31. Bisections at b_1, b_3, b_5, b_7, b_9.
11, 29. Bisections at I, II.
12, 22, 27. Bisections at b_4, b_5, b_6.
13, 15, 25, 30. Bisections at VI, VII.
32. Bisections at I, II, III.
33. Bisections at V, VI, VII.

Notes.

2. Through clouds; varying in brightness.
10. Clouds.
19, 20. Haze.
27. Very unsteady.
* Thermometer reading changed from 49°.4 to 44°.4.
† Micrometer readings interchanged.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+29 0.3	−14 44.3	...	+14 16.0
14	+33 2.1	−14 46.3	...	+18 15.8
28	+ 3.0	.. ....	0.0	+ 3.0
29	+ 4.7	−15 59.8	...	−15 55.1
30	+ 4.8	+15 59.7	...	+16 4.5
32	+36 56.3	−14 48.8	...	+22 7.5
33	+37 17.1	+14 48.8	− 0.8	+52 5.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	57 B. Ursæ Minoris	9	6 37.61	− 8.53	+19.26	48 33 51.30	47.845	− 6.10	+1 5.5	15 6 48.34	.....	+87 34 51.9	....
2	Venus C, C	9	40 31.81	− 0.28	+19.27	323 55 54.70	45.070	− 5.25	− 40.6	0 40 50.80	0.00	+ 2 54 6.7	....
	April 6, P.												
3	Sun I, S	9	58 30.99	− 0.28	−19.27	327 9 52.20	44.075	− 5.25	− 36.0	0 58 49.98	+64.58	+ 6 7 46.5	....
4	Sun II, N	9	0 40.14	− 0.28	+19.27	327 41 53.22	43.962	− 5.25	− 35.3	1 0 59.13	−64.57	+ 6 39 44.7	....
5	30 Monocerotis	9	20 47.97	− 0.27	+19.31	317 26	......	....	. ....	8 21 6.97	.....	− 3 36	....
6	η Cancri	9	27 8.14	− 0.29	+19.25	341 46	......	....	. ....	8 27 27.12	.....	−20 45	....
7	γ Cancri	9	37 42.64	− 0.29	+19.24	342 50	......	....	. ....	8 38 1.62	.....	+21 47	....
8	δ Cancri	9	39 12.22	− 0.29	+19.27	339 30	......	....	. ....	8 39 31.20	.....	+18 29	....
9	ι Cancri	9	40 52.97	− 0.32	+19.29	350 8	......	....	. ....	8 41 11.92	.....	+29 5	....
10	ε Hydræ	9	41 38.75	− 0.28	+19.29	327 48	......	....	. ....	8 41 57.74	.....	+ 6 45	....
11	76 Draconis S. P.	9	48 47.32	+ 2.90	+19.27	58 47 53.55	46.083	− 5.32	+1 31.9	20 49 9.49	.....	+82 11 18.7	....
12	θ Hydræ	9	9 19.27	− 0.28	+19.27	323 43 50.62	44.642	− 5.32	− 40.8	9 9 38.26	.....	+ 2 41 52.6	....
13	83 Cancri	9	13 35.69	− 0.30	+19.33	339 7 52.25	42.865	− 5.32	− 21.2	9 13 54.67	.....	+18 5 33.1	....
14	1 H. Draconis	9	23 59.27	− 2.61	+19.28	42 43 50.60	46.447	− 5.32	+ 51.6	9 24 15.94	.....	+81 44 6.0	....
15	μ Hydræ	9	21 23.04	− 0.32	+19.31	304 39 51.42	45.598	− 5.32	−1 20.2	10 21 42.00	.....	−16 22 24.1	....
	April 6, L.												
16	Moon S	.	.. ..	....	.....	311 13 50.32	44.638	− 5.52	−1 3.5	.. ..	.....	− 9 48 33.9	....
17	Moon II, N	9	6 31.13	− 0.33	+19.26	311 43 50.72	44.477	− 5.52	−1 2.4	14 6 50.06	−62.30	− 9 18 29.5	....
18	ψ Boötis	7	0 14.91	− 0.33	+19.31	348 19 53.22	43.510	− 5.59	− 11.5	15 0 33.84	.....	+27 17 58.4	....
19	β Libræ	9	11 48.45	− 0.31	+19.20	311 59 50.95	43.380	− 5.59	−1 1.8	15 12 7.40	.....	− 9 2 57.3	....
20	β Coronæ Borealis	7	23 46.78	− 0.34	+19.28	350 25 52.32	46.112	− 5.59	− 9.3	15 24 5.70	.....	+29 24 59.0	....
21	α Coronæ Borealis	9	30 32.19	− 0.33	+19.25	348 1 52.15	46.432	− 5.59	− 11.8	15 30 51.12	.....	+27 1 3.6	....
22	β Serpentis	8	41 41.12	− 0.30	+19.31	336 43 50.25	44.805	− 5.59	− 24.0	15 42 0.08	.....	+15 42 12.4	....
23	μ Serpentis	9	44 33.98	− 0.30	+19.26	317 51 50.42	47.389	− 5.59	− 50.4	15 44 52.94	.....	− 3 9 14.7	....
24	ε Coronæ Borealis	9	53 31.21	− 0.33	+19.20	348 9 51.88	44.365	− 5.59	− 11.7	15 53 50.14	.....	+27 8 16.2	....
25	δ Ophiuchi	9	9 16.24	− 0.30	+19.26	317 33 49.88	46.114	− 5.59	− 51.0	16 9 35.20	.....	− 3 27 45.0	....
26	β Herculis	9	26 0.21	− 0.32	+19.25	342 41 50.90	46.702	− 5.59	− 17.4	16 26 19.15	.....	+21 41 3.0	....
27	δ Herculis	9	10 59.21	− 0.32	+19.24	345 57 52.78	45.142	− 5.59	− 13.9	17 11 18.16	.....	+24 56 32.6	....
	April 7, L.												
28	Sun I, S	6	2 10.14	− 0.35	+19.28	327 31 51.32	45.600	− 3.21	− 34.4	1 2 29.07	+64.59	+ 6 30 24.1	....
29	Sun II, N	9	4 19.33	− 0.35	+19.28	328 3 50.35	45.547	− 3.21	− 33.7	1 4 38.26	−64.60	+ 7 2 21.8	....
30	α Cancri	9	53 12.01	− 0.25	+19.26	333 13 47.55	46.205	− 5.16	− 28.2	8 53 31.05	.....	+12 12 37.9	....
31	κ Cancri	9	2 30.53	− 0.25	+19.27	332 3 47.90	44.810	− 5.16	− 29.7	9 2 49.57	.....	+11 2 4.9	....
32	θ Hydræ	9	9 19.24	− 0.25	+19.26	323 43 48.98	44.700	− 5.16	− 41.2	9 9 38.28	.....	+ 2 41 52.0	....
33	83 Cancri	9	13 35.66	− 0.26	+19.31	339 7 50.40	42.918	− 5.16	− 21.5	9 13 54.69	.....	+18 5 32.4	....
34	α Hydræ	9	22 48.41	− 0.26	+19.25	312 45 48.20	46.160	− 5.16	−1 0.9	9 23 7.44	.....	− 8 15 55.1	....
35	ξ Leonis	9	26 44.01	− 0.25	+19.26	332 43 48.72	45.022	− 5.16	− 29.0	9 27 3.05	.....	+11 42 11.3	....
36	ο Leonis	9	35 59.19	− 0.25	+19.31	331 19 48.62	45.685	− 5.16	− 30.8	9 36 18.23	.....	+10 18 24.5	....
	April 7, M.												
37	Moon II, S	9	53 56.92	− 0.28	+19.41	306 23 47.70	46.111	− 5.38	−1 17.8	14 54 16.05	−63.87	−14 38 13.8	....
38	57 B. Ursæ Minoris	9	6 36.00	− 7.24	+19.41	48 33 50.02	47.910	− 5.38	+1 5.4	15 6 48.17	.....	+87 34 52.7	....
39	β Serpentis	9	41 40.85	− 0.22	+19.52	336 43 48.80	44.858	− 5.38	− 24.7	15 42 0.04	.....	+15 42 11.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 15 11	29.756	50.4	49.0
0 41	29.85	64.3	66.2
6 1 1	29.845	65.0	66.8
8 51	29.736	66.8	66.8
9 17	......	....	66.2
9 32	......	....	66.0
9 52	29.732	65.9	....
10 23	29.726	67.2	66.0
14 2	29.656	65.0	64.1
14 41	......	....	63.9
15 1	29.650	65.0	63.9
15 13	......	....	63.9
15 25	......	....	63.8
15 45	......	....	63.1
16 10	29.624	63.3	62.7
16 27	......	....	62.2
17 12	[illegible]	62.8	62.0
7 1 4	29.61	76.8	78.2
8 54	29.780	65.0	63.9
9 15	......	....	61.0
9 24	......	....	60.7
9 37	[illegible]	62.2	60.0
14 54	29.88	52.8	52.0
15 12	......	.. .	51.9
15 39	29.885	52.3	51.7

Micrometer bisections are made at II, VI, except as noted below.

1, 38.	Bisections at b_4, b_5, b_6.
2, 23, 25.	Bisections at I, II, VI, VII.
3, 39.	Bisections at I, II.
4, 19.	Bisections at VI, VII.
11, 14.	Bisections at III, IV, V.
16, 28.	Bisections at I, II, III.
17, 29.	Bisections at V, VI, VII.
18.	Bisection at II.
27.	Bisections at II, VI, VII.
37.	Bisections at II, III, IV, V, VI.

Notes.

5-11, 18-24, 38, 39. Clouds.

26, 27. Haze.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 2.9	.. ....	0.0	+ 2.9
3	+ 4.7	+15 59.1	...	+16 3.8
4	+ 4.7	−15 59.1	...	−15 54.4
16	+40 52.6	+14 52.9	...	+55 45.5
17	+40 33.4	−14 52.9	+ 0.6	+25 41.1
28	+ 4.7	+15 58.8	...	+16 3.5
29	+ 4.6	−15 58.8	...	−15 54.2
37	+44 4.2	+15 0.6	...	+59 4.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	μ Serpentis	9	44 33.80	− 0.24	**+19.40**	317 51 48.20	47.532	− 5.38	− 52.0	15 44 52.97	.....	− 3 9 15.1	....
2	γ Serpentis	9	51 56.57	− 0.22	**+19.46**	336 57 49.82	47.730	− 5.38	− 24.4	15 52 15.76	.....	+15 57 18.8	....
3	ε Coronæ Borealis	9	53 30.92	− 0.23	**+19.41**	348 9 50.98	44.390	− 5.38	− 12.0	15 53 50.10	.....	+27 8 15.8	....
4	β¹ Scorpii	9	59 50.21	− 0.30	**+19.40**	301 29 48.18	43.558	− 5.38	−1 33.7	16 0 9.32	.....	−19 33 27.6	....
5	151 H¹. Cephei s. p.	9	7 4.83	+ 4.02	+19.41	55 39 48.42	47.203	− 5.38	+1 24.5	4 7 28.26	.....	+85 19 5.8	....
6	ε Ophiuchi	9	13 11.81	− 0.24	**+19.40**	316 33 47.82	44.672	− 5.38	− 54.5	16 13 30.98	.....	− 4 28 23.3	....
7	γ Herculis	9	17 35.88	− 0.22	**+19.43**	340 23 49.00	43.580	− 5.38	− 20.5	16 17 55.07	.....	+19 21 46.9	....
8	β Herculis	9	26 0.02	− 0.22	**+19.37**	342 41 50.68	46.715	− 5.38	− 17.9	16 26 19.21	.....	+21 41 2.8	....
	April 8, P.												
9	Moon II, S	9	43 58.69	− 0.34	+19.33	302 5 53.82	46.760	− 6.94	−1 31.7	15 44 17.68	−65.89	−18 56 7.6	....
10	Mercury C, C	9	27 1.48	− 0.26	+19.35	321 45 52.48	47.120	− 5.41	− 45.9	0 27 20.57	− 0.01	+ 0 44 45.9	....
11	Venus C, C	9	54 11.02	− 0.26	+19.35	325 23 52.80	48.252	− 5.41	− 40.1	0 54 30.11	0.00	+ 4 23 17.8	....
	April 9, P.												
12	Sun I, N	9	9 28.83	− 0.26	+19.35	328 47 52.10	47.840	− 5.50	− 35.2	1 9 47.92	+64.82	+ 7 47 12.9	....
13	Sun II, S	9	11 38.48	− 0.26	+19.35	328 15 52.55	47.868	− 5.50	− 35.9	1 11 57.57	−64.83	+ 7 15 12.5	....
14	30 Monocerotis	9	20 47.85	− 0.29	**+19.41**	317 25 52.02	43.915	− 6.41	− 53.8	8 21 6.92	.....	− 3 36 36.7	....
15	η Cancri	9	27 7.97	− 0.29	**+19.38**	341 45 50.12	47.060	− 6.46	− 19.3	8 27 27.04	.....	+20 45 7.6	....
16	δ Cancri	9	39 12.08	− 0.28	**+19.36**	339 29 51.80	47.862	− 6.53	− 21.9	8 39 31.16	.....	+18 29 25.1	....
17	ι Cancri	9	40 52.83	− 0.31	**+19.37**	350 7 51.95	42.952	− 6.54	− 10.2	8 41 11.88	.....	+29 5 44.6	....
18	76 Draconis s. p.	9	48 47.76	+ 2.91	+19.36	58 47 52.15	45.945	− 6.59	+1 37.2	20 49 10.03	.....	+82 11 19.2	....
19	α Cancri	9	53 11.83	− 0.28	**+19.44**	333 13 49.72	46.242	− 6.62	− 29.6	8 53 30.91	.....	+12 12 38.1	....
20	κ Cancri	9	2 30.44	− 0.28	**+19.36**	332 3 51.02	44.905	− 6.68	− 31.2	9 2 49.52	.....	+11 2 7.2	....
21	1 H. Draconis	9	23 58.68	− 2.44	+19.36	42 43 51.92	46.433	− 6.82	+ 54.7	9 24 15.60	.....	+81 44 8.6	....
22	ο Leonis	9	35 59.04	− 0.28	**+19.46**	331 19 52.78	45.665	− 6.90	− 32.2	9 36 18.12	.....	+10 18 25.1	....
	April 9, L.												
23	κ Ophiuchi	9	53 3.14	− 0.26	**+19.34**	330 31 54.90	46.648	− 7.28	− 33.7	16 53 22.25	.....	+ 9 30 47.8	....
24	η Ophiuchi	9	4 50.98	− 0.31	**+19.29**	305 25 54.48	44.620	− 7.28	−1 23.7	17 5 10.04	.....	−15 36 48.9	....
25	δ Herculis	9	10 59.14	− 0.27	**+19.34**	345 57 57.78	45.050	− 7.28	− 14.9	17 11 18.24	.....	+24 56 32.9	....
26	α Ophiuchi	9	30 23.95	− 0.26	**+19.34**	333 37 54.82	47.952	− 7.28	− 29.5	17 30 43.06	.....	+12 37 21.7	....
27	89 Herculis	9	51 26.24	− 0.28	**+19.38**	347 3 55.30	47.845	− 7.28	− 13.7	17 51 45.33	.....	+26 3 35.5	....
28	ν Ophiuchi	9	53 42.24	− 0.29	**+19.30**	311 15 55.52	46.398	− 7.28	−1 8.0	17 54 1.32	.....	− 9 45 51.6	....
29	72 Ophiuchi	9	2 43.27	− 0.26	**+19.35**	330 33 56.45	46.718	− 7.28	− 33.7	18 3 2.38	.....	+ 9 32 51.0	....
30	Mercury C, C	9	33 46.77	− 0.25	+19.42	322 35 56.20	43.969	− 5.16	− 45.4	0 34 5.94	− 0.01	+ 1 33 38.3	....
	April 10, L.												
31	Sun I, N	8	13 8.79	− 0.25	+19.43	329 9 53.40	48.477	− 5.40	− 35.4	1 13 27.97	+64.75	+ 8 9 28.7	....
32	Sun II, S	9	15 18.30	− 0.25	+19.43	328 37 54.40	48.613	− 5.40	− 36.1	1 15 37.48	−64.76	+ 7 37 31.3	....
33	η Cancri	8	27 7.90	− 0.35	**+19.49**	341 45 54.70	46.845	− 5.82	− 19.7	8 27 27.03	.....	+20 45 7.3	....
34	δ Cancri	9	39 12.00	− 0.34	**+19.48**	339 29 55.10	47.710	− 5.82	− 22.4	8 39 31.14	.....	+18 29 25.2	....
35	ι Cancri	9	40 52.76	− 0.38	**+19.49**	350 7 55.02	42.780	− 5.82	− 10.4	8 41 11.86	.....	+29 5 44.2	....
36	α Cancri	9	53 11.83	− 0.33	**+19.48**	333 13 53.95	46.078	− 5.82	− 30.3	8 53 30.98	.....	+12 12 38.7	....
37	κ Cancri	9	2 30.33	− 0.33	**+19.51**	332 3 54.38	44.732	− 5.82	− 31.9	9 2 49.48	.....	+11 2 6.8	....
38	θ Hydræ	9	9 19.01	− 0.32	**+19.52**	323 43 53.08	44.725	− 5.82	− 44.2	9 9 38.17	.....	+ 2 41 53.0	....
39	83 Cancri	9	13 35.46	− 0.34	**+19.55**	339 7 53.65	42.902	− 5.82	− 22.9	9 13 54.60	.....	+18 5 33.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 15 59	......	....	51.6
16 28	29.905	52.8	51.8
8 15 40	29.678	49.2	47.1
16 15	......	....	47.0
16 33	29.671	48.5	46.5
0 25	29.721	46.0	42.9
0 30	......	....	44.1
0 55	29.720	46.0	44.1
9 1 12	29.715	46.9	44.2
8 19	29.770	43.0	41.0
8 35	......	....	40.4
8 58	29.782	41.0	39.6
9 21	......	....	38.9
9 37	29.792	40.0	38.7
16 54	29.780	36.0	33.2
17 6	......	....	33.0
17 29	......	....	32.7
17 54	......	....	32.3
18 3	29.796	34.4	32.6
0 35	29 980	40.0	37.9
10 1 15	29.99	40.8	39.1
8 28	30.146	38.1	35.8
8 49	......	....	35.0
9 3	......	....	34.7
9 14	30.160	36.8	34.7

Micrometer bisections are made at II, VI, except as noted below.

2, 16, 34.	Bisections at I, II.
4, 28.	Bisections at II, VI, VII.
5.	Bisections at b_4, b_5, b_6.
9.	Bisections at III, IV, V, VI.
10, 11, 24, 30.	Bisections at I, II, VI, VII.
12, 31.	Bisections at I, II, III.
13, 32.	Bisections at V, VI, VII.
18, 21.	Bisections at III, IV, V.
33.	Bisections at VI, VII.

Notes.

1-8. Clouds.
21. One microscope reading decreased 10″.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+46 47.0	+15 8.0	...	+61 55.0
10	+ 4.2	.. ....	− 0.1	+ 4.1
11	+ 2.9	.. ....	0.0	+ 2.9
12	+ 4.5	−16 0.2	...	−15 55.7
13	+ 4.6	+16 0.1	...	+16 4.7
30	+ 4.0	.. ....	− 0.1	+ 3.9
31	+ 4.4	−15 58.7	...	−15 54.3
32	+ 4.5	+15 58.6	...	+16 3.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 10, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Serpentis	9	41 40.91	− 0.24	+19.54	336 43 54.20	44.790	− 5.60	− 26.3	15 42 0.18	.....	+15 42 13.7	....
2	ε Serpentis	9	45 58.39	− 0.23	+19.42	325 45 53.42	47.375	− 5.60	− 41.7	15 46 17.67	.....	+ 4 44 56.6	....
3	ε Coronæ Borealis	9	53 30.99	− 0.28	+19.46	348 9 55.55	44.332	− 5.60	− 12.8	15 53 50.22	.....	+27 8 18.1	....
4	151 H^1. Cephei S. P.	9	7 2.83	+ 6.22	+19.51	55 39 52.00	46.826	− 5.60	+1 30.0	4 7 28.56	.....	+85 19 5.3	....
5	λ Ophiuchi	9	26 0.87	− 0.23	+19.44	323 11 53.38	47.320	− 5.60	− 45.9	16 26 20.15	.....	+ 2 10 51.1	....
6	δ Herculis	9	10 59.03	− 0.29	+19.50	345 57 53.98	45.220	− 5.60	− 15.3	17 11 18.25	.....	+24 56 34.3	....
7	Moon II, S	9	33 40.52	− 0.31	+19.52	296 7 53.78	47.091	− 5.60	−2 4.8	17 33 59.73	−70.26	−24 54 32.5	....
8	β Ophiuchi	9	38 39.77	− 0.25	+19.49	325 37 54.78	45.282	− 5.60	− 42.1	17 38 59.04	.....	+ 4 36 9.8	....
9	89 Herculis	9	51 26.06	− 0.30	+19.61	347 3 51.28	48.025	− 5.60	− 14.1	17 51 45.28	.....	+26 3 36.9	....
10	δ Ursæ Minoris	9	1 35.17	− 7.97	+19.52	47 35 56.20	46.673	− 5.60	+1 7.7	18 1 46.72	.....	+86 36 32.7	....
	April 11, M.												
11	β Serpentis	9	41 40.91	− 0.28	+19.60	336 43 52.42	44.800	− 5.54	− 25.9	15 42 0.17	.....	+15 42 12.6	....
12	ε Serpentis	9	45 58.37	− 0.27	+19.50	325 45 53.22	47.312	− 5.54	− 41.0	15 46 17.64	.....	+ 4 44 55.7	....
13	ε Coronæ Borealis	9	53 30.99	− 0.33	+19.53	348 9 55.20	44.280	− 5.54	− 12.6	15 53 50.20	.....	+27 8 16.8	....
14	151 H^1. Cephei S. P.	9	7 1.67	+ 6.46	+19.55	55 39 53.60	46.860	− 5.54	+1 28.6	4 7 27.68	.....	+85 19 4.5	....
15	λ Ophiuchi	9	26 0.86	− 0.27	+19.51	323 11 54.02	47.172	− 5.54	− 45.1	16 26 20.14	.....	+ 2 10 49.2	....
16	δ Herculis	9	10 59.06	− 0.32	+19.53	345 57 55.40	45.065	− 5.54	− 15.1	17 11 18.29	.....	+24 56 32.4	....
17	α Ophiuchi	9	30 23.83	− 0.28	+19.54	333 37 51.88	47.988	− 5.54	− 30.0	17 30 43.10	.....	+12 37 20.8	....
18	89 Herculis	9	51 26.11	− 0.32	+19.61	347 3 53.25	47.865	− 5.54	− 13.9	17 51 45.34	.....	+26 3 35.4	....
19	δ Ursæ Minoris	9	1 35.28	− 8.32	+19.55	47 35 54.68	46.803	− 5.54	+1 6.6	18 1 46.51	.....	+86 36 33.1	....
20	Moon II, N	9	33 7.49	− 0.33	+19.55	295 29 52.58	49.689	− 5.54	−2 6.3	18 33 26.71	−71.88	−25 31 35.8	....
21	Mercury C, C	9	47 33.24	− 0.25	+19.58	324 15 52.20	44.620	− 5.00	− 41.5	0 47 52.57	− 0.01	+ 3 13 53.2	....
22	Venus C, C	9	7 52.66	− 0.25	+19.58	326 53 50.95	44.037	− 5.00	− 37.5	1 8 11.99	0.00	+ 5 51 42.9	....
	April 12, M.												
23	Sun I, S	9	20 29.22	− 0.25	+19.58	329 23 52.50	43.310	− 4.38	− 34.0	1 20 48.55	+64.78	+ 8 21 32.2	....
24	Sun II, N	9	22 38.78	− 0.25	+19.58	329 55 52.50	43.540	− 4.38	− 33.3	1 22 58.11	−64.78	+ 8 53 37.2	....
25	δ Cancri	9	39 11.87	− 0.32	+19.56	339 30	......	....	.....	8 39 31.17	.....	+18 29	....
26	ι Cancri	9	40 52.53	− 0.35	+19.66	350 7 52.98	42.755	− 5.21	− 10.0	8 41 11.80	.....	+29 5 42.6	....
27	76 Draconis S. P.	9	48 47.31	+ 3.28	+19.62	58 47 53.70	45.972	− 5.21	+1 35.1	20 49 10.21	.....	+82 11 17.7	....
28	α Cancri	9	53 11.63	− 0.31	+19.63	333 13 50.60	46.082	− 5.21	− 29.0	8 53 30.94	.....	+12 12 37.3	....
29	1 H. Draconis	9	23 58.40	− 2.80	+19.62	42 44	......	....	.....	9 24 15.22	.....	+81 44	....
30	ξ Leonis	9	26 43.63	− 0.31	+19.63	332 43 52.75	44.838	− 5.21	− 29.7	9 27 2.94	.....	+11 42 10.4	....
31	ο Leonis	9	35 58.83	− 0.31	+19.68	331 20	......	....	.....	9 36 18.14	.....	+10 18	....
32	ε Leonis	9	40 22.58	− 0.33	+19.60	345 12	......	....	.....	9 40 41.87	.....	+24 11	....
	April 14, M.												
33	Mercury C, C	9	8 55.89	− 0.31	+19.84	326 51 49.95	44.246	− 5.16	− 37.4	1 9 15.42	0.00	+ 5 49 46.4	....
34	Venus C, C	9	21 38.12	− 0.31	+19.84	328 19 50.42	47.402	− 5.16	− 35.3	1 21 57.65	0.00	+ 7 19 1.1	....
	April 15, M.												
35	Sun I, N	9	31 32.27	− 0.31	+19.84	330 59 50.85	46.117	− 4.86	− 31.7	1 31 51.80	+64.96	+ 9 58 36.4	....
36	Sun II, S	9	33 42.18	− 0.31	+19.84	330 27 51.72	46.430	− 4.86	− 32.4	1 34 1.71	−64.95	+ 9 26 42.9	....
37	76 Draconis S. P.	9	48 47.50	+ 3.53	+19.91	58 47 49.28	46.222	− 6.18	+1 34.7	20 49 10.94	.....	+82 11 17.8	....
38	α Cancri	9	53 11.31	− 0.32	+19.92	333 13 49.05	46.212	− 6.18	− 28.9	8 53 30.90	.....	+12 12 37.9	....
39	κ Cancri	8	2 29.81	− 0.32	+19.95	332 3 50.55	44.790	− 6.18	− 30.4	9 2 49.40	.....	+11 2 5.4	....
40	θ Hydræ	9	9 18.52	− 0.30	+19.92	323 43 49.62	44.750	− 6.18	− 42.0	9 9 38.13	.....	+ 2 41 52.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 15 39	30.268	30.0	28.0
16 4	......	....	27.9
16 28	30.273	29.0	27.2
17 9	......	....	26.8
17 29	30.289	27.5	26.0
17 53	......	....	26.0
18 5	30.295	28.0	26.3
11 15 40	30.27	36.3	35.4
16 2	......	....	35.1
16 28	30.27	35.9	34.9
17 10	......	....	34.1
17 33	30.27	34.8	33.7
18 31	30.275	34.2	33.2
0 48	30.265	54.3	57.3
1 8	30.255	55.2	58.1
12 1 23	30.248	55.6	58.0
8 41	30.085	56.4	55.8
8 56	......	....	55.4
9 29	30.085	55.7	55.0
14 1 9	29.99	55.7	55.2
1 22	......	....	55.7
15 1 34	29.984	56.3	56.1
8 49	30.005	55.8	56.4
9 3	......	....	56.0

Micrometer bisections are made at II, VI, except as noted below.

4. Bisections at b_1, b_3, b_5, b_7, b_9.
7, 20. Bisections at II, III, IV, V, VI.
10, 14, 19. Bisections at b_4, b_5, b_6.
12. Bisections at II, VI, VII.
21, 33, 34. Bisections at I, II, VI, VII.
22. Bisections at I, II, VI.
23. Bisections at I, II.
24. Bisections at VI, VII.
27, 37. Bisections at III, IV, V.
35. Bisections at I, II, III.
36. Bisections at V, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+50 38.6	+15 26.8	...	+66 5.4
20	+51 32.0	−15 38.2	...	+35 53.8
21	+ 3.9	.. ....	− 0.1	+ 3.8
22	+ 2.7	.. ....	0.0	+ 2.7
23	+ 4.4	+16 2.5	...	+16 6.9
24	+ 4.4	−16 2.5	...	−15 58.1
33	+ 3.6	.. ....	0.0	+ 3.6
34	+ 2.7	.. ....	0.0	+ 2.7
35	+ 4.2	−15 56.7	...	−15 52.5
36	+ 4.3	+15 56.7	...	+16 1.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	83 Cancri	9	13 34.99	− 0.33	**+19.94**	339 7 51.10	42.945	− 6.18	− 21.8	9 13 54.57	.....	+18 5 32.3	....
2	1 H. Draconis	9	23 58.06	− 3.05	+19.91	42 43 50.75	46.470	− 6.18	+ 53.1	9 24 14.92	.....	+81 44 7.4	....
3	ξ Leonis	9	26 43.31	− 0.32	**+19.93**	332 43 51.25	44.972	− 6.18	− 29.5	9 27 2.90	.....	+11 42 11.1	....
4	ο Leonis	9	35 58.52	− 0.31	**+19.94**	331 19 51.72	45.575	− 6.18	− 31.3	9 36 18.12	.....	+10 18 23.6	....
	April 15, P.												
5	151 H^1. Cephei s. p.	9	7 1.83	+ 5.38	+19.84	55 39 49.40	47.191	− 6.18	+1 25.6	4 7 27.05	.....	+85 19 4.6	....
6	β Herculis	9	25 59.89	− 0.30	**+19.77**	342 41 48.20	46.935	− 6.18	− 18.2	16 26 19.43	.....	+21 41 4.2	....
7	δ Herculis	9	10 58.87	− 0.31	**+19.81**	345 57 51.50	45.322	− 6.18	− 14.6	17 11 18.40	.....	+24 56 34.3	....
8	α Ophiuchi	9	30 23.65	− 0.28	**+19.82**	333 37 50.12	48.115	− 6.18	− 29.0	17 30 43.21	.....	+12 37 22.5	....
9	ξ Serpentis	9	32 3.48	− 0.30	**+19.85**	305 41 50.42	45.295	− 6.18	−1 21.3	17 32 23.02	.....	−15 20 34.2	....
10	β Ophiuchi	9	38 39.65	− 0.27	**+19.77**	325 37 50.30	45.355	− 6.18	− 40.0	17 38 59.22	.....	+ 4 36 8.5	....
11	89 Herculis	9	51 25.92	− 0.31	**+19.80**	347 3 49.32	48.060	− 6.18	− 13.4	17 51 45.45	.....	+26 3 35.8	....
12	ν Ophiuchi	9	53 41.88	− 0.28	**+19.83**	311 15 51.58	46.480	− 6.18	−1 6.6	17 54 1.44	.....	− 9 45 51.1	....
13	δ Ursæ Minoris	9	1 35.56	− 7.01	+19.84	47 35 50.40	47.108	− 6.18	+1 4.4	18 1 48.39	.....	+86 36 33.0	....
14	Moon II	9	36 56.24	− 0.29	+19.85	306 2	......	....	. ....	22 37 15.80	−70.60	.. ..	....
15	Mercury C, C	9	16 15.72	− 0.26	+19.85	327 43 48.95	47.278	− 6.02	− 36.1	1 16 35.31	0.00	+ 6 42 55.1	....
16	Venus C, C	9	26 14.33	− 0.26	+19.86	328 49 50.22	44.248	− 6.02	− 34.5	1 26 33.93	0.00	+ 7 47 48.7	....
	April 16, P.												
17	Sun I, S	9	35 14.11	− 0.26	+19.86	330 49 50.52	44.860	− 5.77	− 31.9	1 35 33.71	+65.09	+ 9 48 6.4	....
18	Sun II, N	9	37 24.28	− 0.26	+19.86	331 21 48.48	44.715	− 5.77	− 31.2	1 37 43.88	−65.08	+10 20 0.7	....
19	76 Draconis s. p.	9	48 48.21	+ 2.78	+19.87	58 47 48.05	46.277	− 5.76	+1 34.1	20 49 10.86	.....	+82 11 18.0	....
20	1 H. Draconis	9	23 57.33	− 2.41	+19.87	42 43 48.35	46.575	− 5.76	+ 52.9	9 24 14.79	.....	+81 44 7.5	....
21	ξ Leonis	9	26 43.30	− 0.31	**+19.91**	332 43 50.82	45.002	− 5.76	− 29.4	9 27 2.86	.....	+11 42 11.9	....
22	π Leonis	9	55 5.27	− 0.30	**+19.86**	329 29 48.88	47.000	− 5.76	− 33.7	9 55 24.84	.....	+ 8 28 51.4	....
23	η Leonis	9	2 3.41	− 0.30	**+19.78**	338 13 49.68	45.428	− 5.76	− 22.8	10 2 22.98	.....	+17 12 27.1	....
24	λ Hydræ	9	5 50.10	− 0.32	**+19.86**	309 7 50.85	45.340	− 5.76	−1 10.3	10 6 9.65	.....	−11 54 21.2	....
25	ζ Leonis	9	11 19.03	− 0.31	**+19.84**	344 53 49.88	44.775	− 5.76	− 15.4	10 11 38.59	.....	+23 52 19.7	....
26	γ Leonis (*pr.*)	9	14 38.53	− 0.30	**+19.88**	341 19 49.32	44.540	− 5.76	− 19.3	10 14 58.10	.....	+20 18 9.9	....
27	μ Hydræ	9	21 22.40	− 0.33	**+19.86**	304 39 50.22	45.775	− 5.76	−1 22.7	10 21 41.94	.....	−16 22 24.2	....
	April 16, L.												
28	151 H^1. Cephei s. p.	9	7 1.78	+ 4.83	+19.88	55 39 52.30	47.055	− 5.63	+1 25.4	4 7 26.49	.....	+85 19 4.7	....
29	λ Ophiuchi	9	26 0.57	− 0.29	**+19.93**	323 11 53.12	47.185	− 5.63	− 43.5	16 26 20.16	.....	+ 2 10 50.2	....
30	δ Herculis	9	10 58.87	− 0.32	**+19.85**	345 57 55.82	45.085	− 5.63	− 14.5	17 11 18.43	.....	+24 56 33.8	....
31	α Ophiuchi	9	30 23.64	− 0.29	**+19.87**	333 37 52.65	47.955	− 5.63	− 28.8	17 30 43.23	.....	+12 37 22.1	....
32	ξ Serpentis	9	32 3.53	− 0.32	**+19.85**	305 41 52.32	45.198	− 5.63	−1 20.9	17 32 23.09	.....	−15 20 33.4	....
33	β Ophiuchi	9	38 39.52	− 0.29	**+19.94**	325 37 53.35	45.192	− 5.63	− 39.8	17 38 59.11	.....	+ 4 36 8.5	....
34	89 Herculis	9	51 25.87	− 0.32	**+19.99**	347 3 53.35	47.885	− 5.63	− 13.3	17 51 45.43	.....	+26 3 36.5	....
35	ν Ophiuchi	9	53 41.88	− 0.30	**+19.88**	311 15 52.62	46.370	− 5.63	−1 6.4	17 54 1.46	.....	− 9 45 51.8	....
36	δ Ursæ Minoris	9	1 35.50	− 6.76	+19.89	47 35 53.35	46.968	− 5.63	+1 4.1	18 1 48.63	.....	+86 36 33.0	....
37	Mercury C, C	9	23 41.66	− 0.28	+19.91	328 37 54.88	45.794	− 5.11	− 33.7	1 24 1.29	0.00	+ 7 36 30.4	....
38	Venus I, C	7	30 50.62	− 0.28	+19.91	329 17 53.58	45.609	− 5.11	− 32.8	1 31 10.25	+ 0.43	+ 8 16 25.8	....
39	Venus II	7	30 51.48	− 0.28	+19.91	... .	......	....	. ....	1 31 11.11	− 0.43	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 9 37	30.004	55.7	55.8
16 4	30.028	48.8	48.0
16 28	......	....	47.2
17 9	30.042	47.5	46.6
17 29	......	....	46.0
17 50	......	....	46.0
18 5	30.062	47.0	46.0
1 14	30.158	59.2	59.7
1 27	......	....	60.0
16 1 37	30.155	59.8	59.9
8 46	30.052	62.0	60.0
9 0	......	....	59.9
9 20	......	....	59.0
9 29	30.059	60.0	58.5
9 54	......	....	57.7
10 9	......	....	57.0
10 23	30.076	58.7	56.7
16 10	30.020	50.3	48.6
16 26	......	....	48.2
17 12	29.998	49.8	47.9
17 33	......	....	47.8
17 40	......	....	47.7
17 55	......	....	47.3
18 5	29.996	48.9	47.1
1 25	29.960	70.3	72.8
1 31	......	....	73.3

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at III, IV.
5.	Bisections at b_1, b_3, b_5, b_7, b_9.
8, 17, 31.	Bisections at I, II.
9, 18,	Bisections at VI, VII.
13, 28, 36.	Bisections at b_4, b_5, b_6.
15, 16, 37; 38.	Bisections at I, II, VI, VII.
19, 20.	Bisections at III, IV, V.
26.	Bisections at II, VII.
32.	Bisections at II, VI, VII.

Notes.

31. Circle reading decreased 5°.
32. Very faint.
34. Circle reading changed from 40′ to 4′.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
15	+ 3.5	.. ....	0.0	+ 3.5
16	+ 2.6	.. ....	0.0	+ 2.6
17	+ 4.2	+15 57.2	...	+16 1.4
18	+ 4.2	−15 57.1	...	−15 52.9
37	+ 3.4	.. ....	0.0	+ 3.4
38	+ 2.6	.. ....	0.0	+ 2.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 17, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	38 56.25	− 0.28	+19.92	331 9 52.78	47.850	− 5.11	− 30.4	1 39 15.89	+65.13	+10 9 19.0	....
2	Sun II, N.	9	41 6.52	− 0.28	+19.92	331 41 53.08	47.632	− 5.11	− 29.7	1 41 26.16	−65.14	+10 41 14.2	....
3	θ Hydræ.	4	9 18.44	− 0.33	+20.00	323 44	......	....	.....	9 9 38.05	.....	+ 2 41	....
4	83 Cancri.	5	13 34.86	− 0.34	+20.05	339 8	......	....	.....	9 13 54.46	.....	+18 5	....
5	ξ Leonis.	9	26 43.24	− 0.33	+19.98	332 44	......	....	.....	9 27 2.85	.....	+11 42	....
6	ο Leonis.	9	35 58.51	− 0.33	+19.94	331 20	......	....	.....	9 36 18.12	.....	+10 18	....
7	ε Leonis.	9	40 22.27	− 0.35	+19.86	345 12	......	....	.....	9 40 41.87	.....	+24 11	....
8	μ Leonis.	9	47 16.37	− 0.36	+19.92	347 28	......	....	.....	9 47 35.96	.....	+26 26	....
9	π Leonis.	9	55 5.23	− 0.33	+19.92	329 30	......	....	.....	9 55 24.85	.....	+ 8 28	....
10	η Leonis.	9	2 3.33	− 0.34	+19.89	338 14	......	....	.....	10 2 22.94	.....	+17 12	....
	April 18, M.												
11	151 H¹. Cephei S. P.	9	7 2.83	+ 4.14	+20.19	55 39 51.55	47.265	− 3.86	+1 21.5	4 7 27.16	.....	+85 19 2.4	....
12	β Herculis.	9	25 59.59	− 0.35	+20.19	342 41 52.28	46.588	− 3.86	− 17.3	16 26 19.43	.....	+21 41 3.6	....
13	δ Herculis.	9	10 58.64	− 0.36	+20.17	345 57 53.52	45.072	− 3.86	− 13.9	17 11 18.48	.....	+24 56 33.6	....
14	α Ophiuchi.	9	30 23.45	− 0.34	+20.16	333 37 50.45	47.888	− 3.86	− 27.6	17 30 43.31	.....	+12 37 21.4	....
15	ξ Serpentis.	9	32 3.31	− 0.37	+20.17	305 41 49.68	45.038	− 3.86	−1 17.5	17 32 23.14	.....	−15 20 34.5	....
16	β Ophiuchi.	9	38 39.33	− 0.34	+20.24	325 37 49.90	45.150	− 3.86	− 38.2	17 38 59.19	.....	+ 4 36 7.5	....
17	89 Herculis.	9	51 25.71	− 0.36	+20.24	347 3 52.00	47.795	− 3.86	− 12.8	17 51 45.55	.....	+26 3 35.5	....
18	ν Ophiuchi.	9	53 41.66	− 0.35	+20.20	311 15 49.90	46.278	− 3.86	−1 3.6	17 54 1.51	.....	− 9 45 52.1	....
19	δ Ursæ Minoris.	9	1 34.22	− 5.60	+20.20	47 35 54.42	47.037	− 3.86	+1 1.5	18 1 48.82	.....	+86 36 34.4	....
	April 19, M.												
20	Sun S.	.	.. ..	....	.....	331 51 51.50	47.658	− 3.33	− 28.8	1 47	.....	+10 51 16.8	....
21	Sun N.	.	.. ..	....	.....	332 23 50.45	47.292	− 3.33	− 28.1	.. ..	.....	+11 23 7.1	....
	April 22, M.												
22	Sun N.	.	.. ..	....	.....	333 25 53.60	45.860	− 5.37	− 27.6	1 58	.....	+12 24 36.9	....
23	Sun S.	.	.. ..	....	.....	332 53 51.12	46.425	− 5.37	− 28.2	.. ..	.....	+11 52 45.8	....
24	β Leonis.	9	44 5.98	− 0.31	+20.43	336 6	......	....	.....	11 44 26.05	.....	+15 4	....
25	β Virginis.	9	45 38.20	− 0.33	+20.35	323 18	......	....	.....	11 45 58.25	.....	+ 2 16	....
26	π Virginis.	9	55 53.44	− 0.32	+20.40	328 10	......	....	.....	11 56 13.50	.....	+ 7 7	....
27	ο Virginis.	9	0 15.33	− 0.32	+20.40	330 16	......	....	.....	12 0 35.39	.....	+ 9 14	....
28	γ Corvi.	9	10 48.42	− 0.38	+20.38	304 0	......	....	.....	12 11 8.42	.....	−17 2	....
29	η Virginis.	9	14 55.91	− 0.33	+20.42	320 52	......	....	.....	12 15 15.96	.....	− 0 9	....
	April 22, P.												
30	151 H¹. Cephei S. P.	9	7 2.06	+ 3.92	+20.30	55 39 52.82	47.244	− 6.04	+1 23.2	4 7 26.28	.....	+85 19 2.2	....
31	γ Herculis.	9	17 35.40	− 0.30	+20.32	340 23 52.60	43.570	− 6.04	− 20.2	16 17 55.40	.....	+19 21 49.9	....
32	β Herculis.	9	25 59.55	− 0.31	+20.27	342 41 52.58	46.768	− 6.04	− 17.6	16 26 19.54	.....	+21 41 5.5	....
33	ζ Ophiuchi.	9	31 49.81	− 0.34	+20.27	310 39 53.28	43.138	− 6.04	−1 6.0	16 32 9.77	.....	−10 23 5.0	....
34	κ Ophiuchi.	9	53 2.54	− 0.30	+20.27	330 31 53.40	46.650	− 6.04	− 32.0	16 53 22.54	.....	+ 9 30 49.3	....
35	δ Herculis.	9	10 58.60	− 0.31	+20.26	345 57 53.38	45.250	− 6.04	− 14.1	17 11 18.59	.....	+24 56 35.1	....
	April 23, L.												
36	89 Herculis.	9	51 25.66	− 0.31	+20.38	347 3 52.80	47.980	− 5.90	− 13.5	17 51 45.69	.....	+26 3 37.4	....
37	ν Ophiuchi.	9	53 41.66	− 0.35	+20.34	311 15 53.95	46.390	− 5.94	−1 7.2	17 54 1.65	.....	− 9 45 51.2	....
38	72 Ophiuchi.	9	2 42.69	− 0.31	+20.37	330 33 52.95	46.825	− 6.09	− 33.3	18 3 2.72	.....	+ 9 32 51.7	....
39	ο Herculis.	9	3 40.29	− 0.32	+20.33	349 45 54.95	45.512	− 6.10	− 10.6	18 4 0.31	.....	+28 44 45.9	....
40	η Serpentis.	9	16 16.64	− 0.33	+20.26	318 5 53.65	46.745	− 6.31	− 53.0	18 16 36.65	.....	− 2 55 29.5	....
41	109 Herculis.	9	19 29.78	− 0.31	+20.34	342 43 52.45	47.812	− 6.35	− 18.3	18 19 49.81	.....	+21 43 28.2	....
42	3 H. Scuti.	9	29 55.78	− 0.34	+20.35	312 43 54.62	44.354	− 6.53	−1 4.0	18 30 15.78	.....	− 8 18 34.4	....
	April 24, L.												
43	Sun I, N.	9	5 2.72	− 0.35	+20.36	334 5 53.40	45.995	− 6.01	− 28.2	2 5 22.73	+65.51	+13 4 38.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 1 41	29.95	70.8	73.5
18 16 7	29.73	67.7	67.0
16 26	......	....	66.2
17 11	29.73	66.6	64.8
17 38	......	....	63.8
18 6	29.73	64.8	63.1
19 1 49	29.688	79.1	81.8
22 2 0	29.624	67.2	68.0
16 3	29.637	56.3	55.2
16 20	......	....	55.0
16 34	29.640	56.0	55.0
16 55	......	....	54.8
17 18	29.638	56.0	55.0
23 17 50	29.938	42.7	40.6
18 5	......	....	40.4
18 20	......	....	39.9
18 31	29.954	41.8	39.6

Micrometer bisections are made at II, VI, except as noted below.

1, 43.	Bisections at I, II, III.
2.	Bisections at V, VI, VII.
11, 19.	Bisections at III, IV, V.
14, 17, 20, 22, 38.	Bisections at I, II.
21, 23, 36, 39.	Bisections at VI, VII.
30.	Bisections at b_1, b_3, b_5, b_7, b_9.
37.	Bisections at II, VI, VII.
42.	Bisections at I, II, VI, VII.

Notes.

3, 4, 32–35.	Clouds.
11.	Unsteady.
31.	Hazy.
35.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 4.2	+15 57.6	...	+16 1.8
2	+ 4.1	−15 57.5	...	−15 53.4
20	+ 4.1	+15 55.1	...	+15 59.2
21	+ 4.0	−15 55.1	...	−15 51.1
22	+ 3.9	−15 55.6	...	−15 51.7
23	+ 3.9	+15 55.5	...	+15 59.4
43	+ 3.8	−15 55.9	...	−15 52.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ′	″
1	Sun II, S.	7	7 13.74	− 0.35	+20.36	333 33 53.78	46.398	− 6.01	− 28.9	2 7 33.75	−65.51	+12 32 46.6	....
2	Mercury C, C.	9	18 28.85	− 0.35	+20.37	334 53 53.18	45.438	− 6.01	− 27.2	2 18 48.87	0.00	+13 52 26.2	....
3	Moon I.	9	22 7.84	− 0.32	+20.38	345 44	......	....	.....	6 22 27.90	+71.44	.. ..	....
4	39 H. Cephei s. p.	9	27 0.28	+ 7.09	+20.40	54 12	......	....	.....	23 27 27.77	.....	+86 48	....
5	υ Leonis.	9	31 58.12	− 0.33	+20.39	320 42	......	....	.....	11 32 18.19	.....	− 0 19	....
6	β Leonis.	9	44 6.01	− 0.33	+20.41	336 6	......	....	.....	11 44 26.08	.....	+15 4	....
7	β Virginis.	9	45 38.14	− 0.33	+20.40	323 18	......	....	.....	11 45 58.21	.....	+ 2 16	....
8	π Virginis.	9	55 53.42	− 0.32	+20.41	328 10	......	....	.....	11 56 13.50	.....	+ 7 7	....
9	o Virginis.	9	0 15.32	− 0.32	+20.40	330 16	......	....	.....	12 0 35.40	.....	+ 9 14	....
10	γ Corvi.	9	10 48.42	− 0.37	+20.37	304 0	......	....	.....	12 11 8.45	.....	−17 2	....
11	6 B. Ursæ Minoris.	8	14 55.95	−12.28	+20.40	49 12	......	....	.....	12 15 4.07	.....	+88 12	....
	April 25, P.												
12	Moon I, N.	9	21 4.32	− 0.33	+20.47	345 51 48.80	44.319	− 4.30	− 14.1	7 21 24.46	+70.18	+24 50 11.1	....
13	μ Leonis.	9	47 15.71	− 0.32	+20.43	347 27 48.62	44.455	− 4.94	− 12.6	9 47 35.87	.....	+26 26 14.8	....
14	π Leonis.	9	55 4.54	− 0.32	+20.50	329 29 48.68	46.970	− 4.98	− 33.3	9 55 24.70	.....	+ 8 28 51.6	....
15	η Leonis.	9	2 2.64	− 0.31	+20.44	338 13 50.75	45.335	− 5.01	− 22.6	10 2 22.81	.....	+17 12 27.0	....
16	λ Hydræ.	9	5 49.34	− 0.36	+20.55	309 7 49.08	45.325	− 5.03	−1 9.5	10 6 9.46	.....	−11 54 21.8	....
17	ζ Leonis.	9	11 18.27	− 0.32	+20.50	344 53 49.02	44.800	− 5.06	− 15.3	10 11 38.43	.....	+23 52 20.3	....
18	γ Leonis (*pr.*).	9	14 37.81	− 0.31	+20.49	341 19 48.92	44.542	− 5.08	− 19.1	10 14 57.98	.....	+20 18 10.5	....
19	μ Hydræ.	9	21 21.71	− 0.38	+20.49	304 39 50.22	45.657	− 5.11	−1 21.7	10 21 41.81	.....	−16 22 25.3	....
20	ρ Leonis.	9	27 41.68	− 0.31	+20.46	330 47 49.92	45.868	− 5.14	− 31.6	10 28 1.85	.....	+ 9 46 29.2	....
	April 26, M.												
21	Sun I, S.	9	12 34.14	− 0.32	+20.60	334 13 55.88	44.120	− 6.29	− 27.1	2 12 54.42	+65.62	+13 11 59.1	....
22	Sun II, N.	9	14 45.37	− 0.32	+20.60	334 45 56.40	43.568	− 6.29	− 26.4	2 15 5.65	−65.61	+13 43 46.7	....
23	Mercury C, C.	9	34 50.69	− 0.32	+20.60	336 35 57.92	46.540	− 6.29	− 24.2	2 35 10.97	0.00	+15 34 58.8	....
24	Moon I, N.	9	17 26.68	− 0.34	+20.60	344 19 56.68	48.425	− 5.95	− 15.7	8 17 46.94	+68.32	+23 19 49.5	....
25	π Leonis.	9	55 4.46	− 0.33	+20.58	329 29 55.80	46.738	− 5.95	− 33.5	9 55 24.73	.....	+ 8 28 52.3	....
26	η Leonis.	9	2 2.56	− 0.32	+20.52	338 13 57.00	45.105	− 5.95	− 22.8	10 2 22.84	.....	+17 12 26.8	....
27	λ Hydræ.	9	5 49.29	− 0.37	+20.59	309 7 54.08	45.172	− 5.95	−1 10.0	10 6 9.52	.....	−11 54 21.7	....
28	ζ Leonis.	9	11 18.12	− 0.33	+20.64	344 53 55.82	44.558	− 5.95	− 15.4	10 11 38.39	.....	+23 52 20.5	....
29	γ Leonis (*pr.*).	9	14 37.68	− 0.33	+20.63	341 19 56.25	44.268	− 5.95	− 19.3	10 14 57.95	.....	+20 18 10.4	....
30	μ Hydræ.	9	21 21.56	− 0.39	+20.64	304 39 55.85	45.502	− 5.95	−1 22.4	10 21 41.77	.....	−16 22 24.7	....
	April 26, P.												
31	151 H¹. Cephei s. p.	9	7 1.11	+ 4.38	+20.52	55 39 51.58	47.202	− 5.56	+1 25.4	4 7 26.01	.....	+85 19 1.7	....
32	λ Ophiuchi.	9	26 0.22	− 0.29	+20.49	323 11 52.22	47.295	− 5.56	− 43.5	16 26 20.45	.....	+ 2 10 51.8	....
33	δ Herculis.	9	10 58.43	− 0.29	+20.51	345 57 52.05	45.365	− 5.56	− 14.5	17 11 18.67	.....	+24 56 36.5	....
34	α Ophiuchi.	9	30 23.19	− 0.28	+20.56	333 37 52.30	48.038	− 5.56	− 28.9	17 30 43.44	.....	+12 37 23.6	....
35	ξ Serpentis.	9	32 3.20	− 0.34	+20.48	305 41 53.12	45.190	− 5.56	−1 21.0	17 32 23.39	.....	−15 20 33.0	....
36	β Ophiuchi.	9	38 39.17	− 0.29	+20.55	325 37 52.00	45.308	− 5.56	− 39.9	17 38 59.41	.....	+ 4 36 9.8	....
37	89 Herculis.	9	51 25.50	− 0.29	+20.59	347 3 52.68	48.010	− 5.56	− 13.4	17 51 45.74	.....	+26 3 38.6	....
38	ν Ophiuchi.	9	53 41.52	− 0.32	+20.53	311 15 53.22	46.395	− 5.56	−1 6.4	17 54 1.73	.....	− 9 45 50.6	....
39	δ Ursæ Minoris.	9	1 36.11	− 5.26	+20.53	47 35 54.65	47.010	− 5.56	+1 4.2	18 1 51.38	.....	+86 36 35.4	....
	April 27, P.												
40	Sun N.	.	.. ..	.....	.....	335 3 55.30	46.825	− 5.82	− 26.4	2 17	.....	+14 3 1.5	....
41	Sun S.	.	.. ..	.....	.....	334 31 54.50	47.505	− 5.82	− 27.1	.. ..	.....	+13 31 14.5	....
	April 28, L.												
42	Sun I, S.	9	20 7.68	− 0.34	+20.64	334 51 54.50	44.857	− 5.56	− 27.0	2 20 27.98	+65.78	+13 50 15.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 2 7	30.13	51.9	51 2
2 20	30.13	52.7	51.7
25 7 23	[illegible]	64.0	63.6
9 45	29.776	59.5	58.2
10 0	......	....	57.9
10 17	......	....	57.7
10 29	[illegible]	59.0	57.6
26 2 15	29.740	62.0	61.8
2 35	29.74	62.7	62.2
8 17	29.75	61.3	61.2
9 55	29.775	55.8	54.7
10 11	......	....	54.0
10 21	29.77	54.8	53.2
16 3	[illegible]	46.0	45.0
16 28	......	....	44.8
17 9	29.800	45.0	44.1
17 28	......	....	44.1
17 47	......	....	43.8
18 5	29.790	44.0	43.2
27 2 18	29.775	56.6	55.7

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at V, VI, VII.
2, 23. Bisections at I, II, VI, VII.
12, 24. Bisections at II, III, IV, V, VI.
16, 19. Bisections at II, VI, VII.
21, 34, 40. Bisections at I, II.
22, 35, 41. Bisections at VI, VII.
31. Bisections at b_1, b_3, b_5, b_7, b_9.
37. Bisections at II, VII.
39. Bisections at b_4, b_5, b_6.
42. Bisections at I, II, III.

Notes.

16–20. Clouds.
16. Unsteady.
20. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.9	+15 55.9	...	+15 59.8
2	+ 2.8	.. ....	0.0	+ 2.8
12	+13 27.1	−15 18.6	...	− 1 51.5
21	+ 3.8	+15 53.7	...	+15 57.5
22	+ 3.7	−15 53.8	...	−15 50.1
23	+ 2.7	.. ....	0.0	+ 2.7
24	+14 40.7	−15 6.5	...	− 25.8
40	+ 3.6	−15 53.5	...	−15 49.9
41	+ 3.7	+15 53.4	...	+15 57.1
42	+ 3.7	+15 54.2	...	+15 57.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, N	9	22 19.24	− 0.34	+20.64	335 23 53.48	44.410	− 5.56	− 26.4	2 22 39.54	−65.78	+14 22 3.9	....
2	Mercury C, C	9	51 21.22	− 0.34	+20.65	338 13 54.75	45.091	− 5.56	− 22.9	2 51 41.53	+ 0.01	+17 12 24.5	....
3	Moon N	.	.. ..	.....	.....	338 5 54.62	49.215	− 6.44	− 23.1	10 2	.....	+17 5 57.0	....
4	γ Leonis (*pr.*)	9	14 37.67	− 0.40	**+20.69**	341 19 54.05	44.422	− 6.44	− 19.4	10 14 57.98	.....	+20 18 11.2	....
5	ρ Leonis	9	27 41.43	− 0.39	**+20.75**	330 47 52.98	45.850	− 6.44	− 32.1	10 28 1.75	.....	+ 9 46 30.1	....
6	41 Leonis Minoris	8	38 8.59	− 0.41	**+20.70**	344 41 54.98	43.678	− 6.44	− 15.7	10 38 28.89	.....	+23 39 58.8	....
7	*l* Leonis	9	44 8.78	− 0.40	**+20.76**	332 3 53.85	43.400	− 6.44	− 30.6	10 44 29.09	.....	+11 1 36.5	....
8	*d* Leonis	9	55 32.06	− 0.39	**+20.66**	325 7 52.90	45.772	− 6.44	− 40.2	10 55 52.38	.....	+ 4 6 20.1	....
9	χ Leonis	9	59 59.80	− 0.39	**+20.69**	328 51 53.65	43.758	− 6.44	− 34.9	11 0 20.12	.....	+ 7 49 40.2	....
10	θ Leonis	9	9 8.40	− 0.40	**+20.72**	336 57 54.90	43.202	− 6.44	− 24.6	11 9 28.71	.....	+15 55 39.0	....
11	δ Crateris	9	14 27.79	− 0.43	**+20.76**	306 45 51.38	43.181	− 6.44	−1 17.2	11 14 48.07	.....	−14 17 17.5	....
12	39 H. Cephei s. p.	5	27 1.12	+ 7.35	+20.71	54 11 54.12	44.700	− 6.44	+1 20.3	23 27 29.18	.....	+86 48 2.5	....
13	β Leonis	9	44 5.71	− 0.40	**+20.75**	336 5 54.22	46.445	− 6.44	− 25.6	11 44 26.02	.....	+15 4 51.4	....
14	γ Corvi	9	10 48.13	− 0.44	**+20.71**	303 59 53.85	45.972	− 6.44	−1 25.5	12 11 8.40	.....	−17 2 19.4	....
15	6 B. Ursæ Minoris	7	14 54.03	−12.91	+20.71	49 11 56.22	46.550	− 6.44	+1 7.3	12 15 1.83	.....	+88 12 28.6	....
	April 28, M.												
16	151 H¹. Cephei s. p.	8	7 0.42	+ 4.57	+20.84	55 39 54.28	47.138	− 5.92	+1 25.6	4 7 25.83	.....	+85 19 0.6	....
17	β Herculis	9	25 59.20	− 0.35	**+20.77**	342 41 53.30	46.770	− 5.92	− 18.1	16 26 19.69	.....	+21 41 5.7	....
18	δ Herculis	8	10 58.21	− 0.36	**+20.84**	345 57 55.52	45.160	− 5.92	− 14.6	17 11 18.69	.....	+24 56 34.8	....
19	α Ophiuchi	9	30 23.01	− 0.35	**+20.86**	333 38	......	....	. ....	17 30 43.50	.....	+12 37	....
20	β Ophiuchi	9	38 39.01	− 0.35	**+20.82**	325 37 53.18	45.215	− 5.92	− 40.0	17 38 59.50	.....	+ 4 36 8.4	....
21	μ Herculis	9	42 34.32	− 0.37	**+20.83**	348 47 54.40	44.080	− 5.92	− 11.6	17 42 54.79	.....	+27 46 12.0	....
22	89 Herculis	9	51 25.39	− 0.36	**+20.83**	347 3 53.55	47.945	− 5.92	− 13.4	17 51 45.87	.....	+26 3 37.9	....
23	ν Ophiuchi	6	53 41.33	− 0.38	**+20.84**	311 15 51.28	46.468	− 5.92	−1 6.7	17 54 1.79	.....	− 9 45 51.5	....
24	δ Ursæ Minoris	9	1 37.33	− 6.08	+20.84	47 35 53.62	47.108	− 5.92	+1 4.5	18 1 52.09	.....	+86 36 36.1	....
	April 29, M.												
25	Moon I, N	9	48 24.79	− 0.38	+20.89	333 49 51.90	49.011	− 6.00	− 28.0	10 48 45.30	+62.62	+12 49 45.3	....
	April 30, P.												
26	ζ Leonis	7	11 17.87	− 0.34	**+20.85**	344 53 51.78	44.698	− 4.99	− 14.9	10 11 38.38	.....	+23 52 21.1	....
27	γ Leonis (*pr.*)	9	14 37.49	− 0.34	**+20.78**	341 19 50.68	44.475	− 4.99	− 18.7	10 14 58.00	.....	+20 18 11.1	....
28	μ Hydræ	9	21 21.28	− 0.41	**+20.89**	304 39 52.78	45.470	− 4.99	−1 19.8	10 21 41.72	.....	−16 22 25.0	....
29	ρ Leonis	9	27 41.23	− 0.34	**+20.88**	330 47 50.80	45.837	− 4.99	− 30.9	10 28 1.74	.....	+ 9 46 30.2	....
	May 9, M.												
30	φ Sagittarii	8	39 38.10	− 0.20	.....	65 55 48.25	41.735	+ 1.63	+2 4.2	18 39	.....	−27 5 7.4	....
31	ξ Sagittarii	9	51 57.73	− 0.18	.....	60 3 50.98	44.238	+ 1.63	+1 36.7	18 52	.....	−21 13 39.9	− 1.1
32	π Sagittarii	9	4 0.79	− 0.18	.....	59 59 49.92	45.652	+ 1.63	+1 36.5	19 4	.....	−21 10 10.9	....
33	ψ Sagittarii	9	9 37.27	− 0.18	.....	64 13 50.42	46.615	+ 1.63	+1 55.3	19 9	.....	−25 24 52.2	....
34	Moon N	.	.. ..	.....	.....	64 23 49.48	47.570	+ 1.63	+1 56.2	19 14	.....	−25 35 14.1	....
35	*h* Sagittarii	9	30 49.72	− 0.17	.....	63 53 50.35	47.375	+ 1.63	+1 53.7	19 31	.....	−25 5 7.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 2 22	29.93	52.8	52.1
2 51	29.936	53.9	53.0
10 3	29.930	53.4	53.1
10 30	......	....	53.0
10 56	......	....	51.6
11 15	29.950	51.9	51.2
11 33	......	....	51.1
11 46	......	....	50.7
12 18	29.942	50.7	50.0
16 7	29.93	46.4	46.0
16 26	......	....	46.1
17 11	29.94	46.8	45.9
17 30	......	....	45.2
18 7	29.98	45.2	43.7
29 10 48	29.71	53.7	52.7
30 10 9	29.464	65.5	64.6
10 30	29.482	65.0	64.0
9 18 40	29.58	65.5	64.0
19 4	......	....	63.4
19 31	29.58	64.7	63.2

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at V, VI, VII.
2, 11.	Bisections at I, II, VI, VII.
3.	Bisections at II, III, IV, V.
12.	Bisections at b_3, b_4, b_5.
14, 22.	Bisections at I, II.
15.	Bisections at b_4, b_5, b_6.
16, 24.	Bisections at III, IV, V.
17, 30, 35.	Bisections at VI, VII.
25, 34.	Bisections at II, III, IV, V, VI.
26, 27.	Bisections at II, VII.
29.	Bisections at II, VI, VII.

Notes.

4–7, 10.	Faint; clouds.
12, 17–20, 23, 24, 26–29.	Clouds.
30.	Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.6	−15 54.3	...	−15 50.7
2	+ 2.5	.. ....	+0.1	+ 2.6
3	+20 0.8	−14 50.4	...	+ 5 10.4
25	+23 37.0	−14 46.7	...	+ 8 50.3
34	+51 49.4	−15 43.0	...	+36 6.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	May 11, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun N	.	.. ..	....	.....	20 43 51.32	47.965	− 0.71	+ 21.6	3 11	.....	+18 6 12.2	....
2	Sun S	.	.. ..	....	.....	21 15 52.08	47.178	− 0.71	+ 22.2	.. ..	.....	+17 34 28.3	....
3	Venus C	.	.. ..	....	.....	20 31 49.32	45.582	− 0.71	+ 21.3	3 26	.....	+18 19 8.6	....
4	Mercury C	.	.. ..	....	.....	14 33 49.32	47.490	− 0.47	+ 14.8	4 31	.....	+24 16 31.3	....
5	1 H. Draconis	9	23 50.52	− 0.56	+21.63	317 7 45.92	46.413	− 0.59	− 51.9	9 24 11.59	.....	+81 44 6.0	....
6	δ Leonis	9	8 55.25	+ 0.01	**+21.67**	17 49 49.52	45.090	− 0.59	+ 18.3	11 9 16.90	.....	+21 1 22.6	....
7	σ Leonis	9	16 5.68	+ 0.02	**+21.62**	32 19 47.90	43.682	− 0.59	+ 36.0	11 16 27.34	.....	+ 6 31 38.7	....
8	τ Leonis	9	22 54.46	+ 0.02	**+21.64**	35 29 48.38	44.168	− 0.59	+ 40.6	11 23 16.12	.....	+ 3 21 22.6	....
9	β Leonis	9	44 4.33	+ 0.01	**+21.61**	23 45 48.62	46.268	− 0.59	+ 25.1	11 44 25.98	.....	+15 4 49.8	....
10	6 B. Ursæ Minoris	9	14 36.67	− 2.91	+21.64	310 39 45.10	46.073	− 0.59	−1 6.3	12 14 55.40	.....	+88 12 29.1	....
11	24 Comæ Berenices	9	30 13.38	+ 0.01	+21.64	19 57 48.48	46.940	− 0.59	+ 20.9	12 30 35.03	.....	+18 52 38.7	....
12	ρ Virginis	9	36 56.11	+ 0.01	**+21.66**	28 5 49.42	47.738	− 0.59	+ 30.6	12 37 17.76	.....	+10 44 9.9	....
13	43 H. Cephei s. p.	9	55 31.11	+ 1.37	+21.64	304 37 46.05	47.953	− 0.59	−1 22.4	0 55 54.12	.....	+85 45 58.3	....
	May 11, L.												
14	α Equulei	9	10 54.94	+ 0.09	**[+21.63]**	33 57 51.70	47.365	− 0.96	+ 39.5	21 11 16.64	.....	+ 4 52 7.7	....
15	Moon II, N	9	17 28.93	+ 0.08	+21.62	59 55 51.90	44.212	− 0.96	+1 40.8	21 17 50.63	−71.24	−21 5 41.7	....
16	ζ Capricorni	8	21 6.92	+ 0.08	+21.62	61 37 53.02	45.510	− 0.96	+1 48.1	21 21 28.62	.....	−22 48 19.8	....
17	1 H. Draconis s. p.	3	23 49.69	+ 0.60	+21.62	300 37 45.78	43.892	− 0.96	−1 38.2	9 24 11.91	.....	+81 44 8.2	....
18	ε Pegasi	9	39 21.34	+ 0.09	**[+21.54]**	29 23 51.02	44.660	− 0.96	+ 32.9	21 39 43.05	.....	+ 9 27 16.8	....
19	δ Capricorni	9	41 39.59	+ 0.09	**[+21.53]**	55 21 52.20	46.902	− 0.96	+1 24.5	21 42 1.30	.....	−16 32 27.2	....
	May 12, L.												
20	Sun S	.	.. ..	....	.....	21 1 54.58	43.762	− 0.80	+ 21.8	3 15	.....	+17 49 44.8	....
21	Sun N	.	.. ..	....	.....	20 29 53.38	44.487	− 0.80	+ 21.2	.. ..	.....	+18 21 29.6	....
22	Venus I, C	9	30 40.31	+ 0.02	+21.64	20 11 54.55	44.651	− 0.80	+ 20.8	3 31 1.97	+ 0.47	+18 39 25.3	....
23	Venus II	9	30 41.24	+ 0.02	+21.64	... .	......	....	. ....	3 31 2.90	− 0.46	.. ..	....
24	Mercury C	.	.. ..	....	.....	14 17 53.52	48.489	− 1.08	+ 14.4	4 38	.....	+24 32 5.3	....
25	1 H. Draconis	9	23 49.61	− 0.40	+21.66	317 7 47.80	46.377	− 1.18	− 51.8	9 24 10.87	.....	+81 44 5.7	....
26	δ Leonis	9	8 55.22	0.00	**+21.70**	17 49 50.68	45.098	− 1.18	+ 18.3	11 9 16.89	.....	+21 1 21.8	....
27	σ Leonis	9	16 5.66	0.00	**+21.65**	32 19 50.42	43.600	− 1.18	+ 36.0	11 16 27.33	.....	+ 6 31 38.7	....
28	τ Leonis	9	22 54.42	0.00	**+21.69**	35 29 50.62	44.095	− 1.18	+ 40.6	11 23 16.09	.....	+ 3 21 22.6	....
29	β Leonis	9	44 4.28	+ 0.01	**+21.65**	23 45 51.15	46.200	− 1.18	+ 25.1	11 44 25.96	.....	+15 4 49.4	....
30	6 B. Ursæ Minoris	8	14 35.46	− 2.01	+21.67	310 39 47.02	46.005	− 1.18	−1 6.2	12 14 55.12	.....	+88 12 29.1	....
31	24 Comæ Berenices	9	30 13.34	+ 0.02	+21.67	19 57 50.65	46.880	− 1.18	+ 20.8	12 30 35.03	.....	+18 52 38.7	....
32	ρ Virginis	9	36 56.04	+ 0.02	**+21.71**	28 5 45.22	47.945	− 1.18	+ 30.6	12 37 17.73	.....	+10 44 10.0	....
33	δ Virginis	9	50 40.53	+ 0.02	**+21.63**	34 57 50.50	44.030	− 1.18	+ 40.1	12 51 2.23	.....	+ 3 53 24.7	....
34	43 H. Cephei s. p.	9	55 30.61	+ 1.00	+21.68	304 37 47.88	47.913	− 1.18	−1 22.4	0 55 53.29	.....	+85 45 58.8	....
	May 12, M.												
35	θ Capricorni	9	0 28.46	+ 0.06	**[+21.77]**	56 25 45.82	45.157	− 0.77	+1 27.5	21 0 50.33	.....	−17 35 44.1	....
36	ν Aquarii	9	4 16.74	+ 0.07	**[+21.72]**	50 33 46.10	47.915	− 0.77	+1 10.6	21 4 38.62	.....	−11 44 30.6	....
37	ι Capricorni	9	16 49.24	+ 0.06	**[+21.79]**	56 3 44.08	44.360	− 0.77	+1 26.2	21 17 11.11	.....	−17 13 22.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 3 12	29.77	59.6	58.3
3 26	29.770	60.0	59.0
4 32	29.766	61.0	60.3
9 20	29.790	64.0	64.0
11 7	29.818	59.8	59.0
11 28	......	....	58.0
11 51	......	....	56.8
12 7	29.837	57.0	56.0
12 29	......	....	55.3
12 59	29.854	56.0	55.0
21 9	29.976	47.9	46.3
21 19	......	....	47.0
21 43	30.004	49.7	48.0
12 3 16	30.042	64.9	64.7
3 31	30.040	65.3	64.8
4 39	30.028	66.6	66.1
9 26	29.976	67.5	67.8
11 10	29.972	62.0	61.0
11 24	......	....	60.2
11 46	......	....	59.7
12 16	29.978	60.0	58.3
12 39	......	....	57.4
12 58	29.976	58.6	56.8
20 49	29.940	50.8	49.4
21 17	......	....	50.3

Micrometer bisections are made at II. VI, except as noted below.

1, 13.	Bisections at I, II.
2.	Bisections at VI, VII.
3, 4, 14, 16, 22, 24.	Bisections at I, II, VI, VII.
5.	Bisections at III, IV, V.
10, 25.	Bisections at b_4, b_5, b_6.
11, 19.	Bisections at II, VI, VII.
13.	Bisections at b_1, b_3, b_5, b_7, b_9.
15.	Bisections at II, III, IV, V, VI.
17.	Bisection at II.
20.	Bisections at I, II, III.
21.	Bisections at V, VI, VII.
30, 34.	Bisections at b_3, b_5, b_7.
35.	Bisections at I, II, VI.

Notes.

16, 25, 35–37. Very unsteady.
16, 17. Faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.1	−15 51.9	...	−15 48.8
2	+ 3.1	+15 52.0	...	+15 55.1
3	+ 1.8	.. ..	0.0	+ 1.8
4	+ 2.1	.. ..	+ 0.3	+ 2.4
15	+50 40.0	−16 1.1	...	+34 38.9
20	+ 3.1	+15 52.3	...	+15 55.4
21	+ 3.0	−15 52.4	...	−15 49.4
22	+ 1.7	.. ..	0.0	+ 1.7
24	+ 2.2	.. ..	+ 0.3	+ 2.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	″	h m s	s	° ′ ″	″
1	1 H. Draconis s. p.	9	23 49.18	+ 0.55	+21.81	300 37 43.30	43.850	− 0.77	−1 37.4	9 24 11.54	.....	+81 44 6.7	....
2	γ Capricorni	9	34 41.29	+ 0.06	[+21.81]	55 53 50.48	46.925	− 0.77	+1 25.6	21 35 3.16	.....	−17 4 27.3	....
3	δ Capricorni	9	41 39.42	+ 0.06	[+21.76]	55 21 45.55	47.272	− 0.77	+1 23.8	21 42 1.29	.....	−16 32 28.5	....
4	Moon II, N	9	15 59.61	+ 0.06	+21.81	55 33 46.08	48.171	− 0.77	+1 24.1	22 16 21.48	−69.99	−16 44 49.9	....
	May 13, M.												
5	Sun I, S	9	17 55.89	+ 0.05	+21.80	20 45 52.40	46.392	− 1.17	+ 21.1	3 18 17.74	+66.95	+18 4 48.0	....
6	Sun II, N	9	20 9.79	+ 0.05	+21.80	20 13 52.28	47.270	− 1.17	+ 20.5	3 20 31.64	−66.95	+18 36 28.1	....
7	Mercury C, C	9	44 27.82	+ 0.05	+21.80	14 5 48.62	45.540	− 1.61	+ 13.8	4 44 49.67	+ 0.09	+24 45 18.7	....
8	1 H. Draconis	9	23 49.84	− 0.24	+21.79	317 7 49.58	46.228	− 2.88	− 50.5	9 24 11.39	.....	+81 44 7.5	....
9	ο Leonis	9	35 55.96	− 0.04	[+21.86]	28 32	......	....	.....	9 36 17.71	.....	+10 18	....
10	δ Leonis	9	8 55.16	− 0.04	+21.79	17 49 52.10	45.170	− 2.88	+ 17.8	11 9 16.91	.....	+21 1 21.0	....
11	σ Leonis	9	16 5.61	− 0.06	+21.75	32 19 50.75	43.725	− 2.88	+ 35.0	11 16 27.34	.....	+ 6 31 38.2	....
12	ι Leonis	9	18 49.87	− 0.05	+21.79	27 49 51.70	43.555	− 2.88	+ 29.2	11 19 11.61	− 0.62	+11 1 46.9	+ 1.3
13	τ Leonis	9	22 54.34	− 0.06	+21.82	35 29 51.95	44.225	− 2.88	+ 39.5	11 23 16.07	.....	+ 3 21 21.1	....
14	β Leonis	9	44 4.19	− 0.05	+21.79	23 45 51.55	46.330	− 2.88	+ 24.4	11 44 25.93	.....	+15 4 48.5	....
15	6 B. Ursæ Minoris	7	14 35.79	− 1.23	+21.79	310 39 45.92	46.013	− 2.88	−1 4.4	12 14 56.35	.....	+88 12 30.1	....
16	24 Comæ Berenices	9	30 13.20	− 0.05	+21.79	19 57 50.92	47.008	− 2.88	+ 20.3	12 30 34.94	.....	+18 52 37.7	....
17	ρ Virginis	9	36 56.01	− 0.05	+21.81	28 5 51.85	47.815	− 2.88	+ 29.8	12 37 17.76	.....	+10 44 8.8	....
	May 14, L.												
18	α Ursæ Minoris	8	25 14.52	− 8.13	+21.84	310 3 50.98	44.290	+ 1.07	−1 4.2	1 25 28.23	.....	+88 49 0.2	....
	May 15, L.												
19	Sun I, N	9	25 48.47	− 0.06	+21.83	19 43 55.08	49.492	+ 1.30	+ 19.3	3 26 10.24	+67.18	+19 5 33.8	....
20	Sun II, S	9	28 2.82	− 0.06	+21.83	20 15 54.28	48.667	+ 1.30	+ 19.9	3 28 24.59	−67.17	+18 33 52.4	....
21	Mercury I, C	9	56 20.94	− 0.12	+21.83	13 45 52.92	45.421	+ 0.83	+ 13.2	4 56 42.65	+ 0.26	+25 5 15.3	....
22	1 H. Draconis	9	23 50.33	− 0.89	+21.87	317 7 48.38	46.170	+ 0.63	− 49.6	9 24 11.31	.....	+81 44 5.6	....
23	δ Leonis	9	8 55.14	− 0.11	+21.85	17 49 52.40	44.998	+ 0.30	+ 17.5	11 9 16.90	.....	+21 1 21.8	....
24	σ Leonis	9	16 5.51	− 0.11	+21.88	32 19 52.22	43.530	+ 0.27	+ 34.3	11 16 27.27	.....	+ 6 31 38.7	....
25	τ Leonis	9	22 54.37	− 0.11	+21.82	35 29 53.20	44.028	+ 0.25	+ 38.7	11 23 16.13	.....	+ 3 21 22.0	....
26	β Leonis	9	44 4.12	− 0.11	+21.91	23 45 53.50	46.098	+ 0.18	+ 24.0	11 44 25.88	.....	+15 4 49.1	....
27	γ Corvi	8	10 46.52	− 0.12	+21.90	55 51 53.68	46.820	+ 0.09	+1 20.2	12 11 8.27	.....	−17 2 23.6	....
28	6 B. Ursæ Minoris	8	14 37.70	− 4.27	+21.87	310 39 48.08	45.770	+ 0.08	−1 3.1	12 14 55.30	.....	+88 12 29.2	....
29	24 Comæ Berenices	9	30 13.16	− 0.11	+21.88	19 57 53.50	46.730	+ 0.03	+ 19.9	12 30 34.93	.....	+18 52 38.9	....
30	ρ Virginis	9	36 55.94	− 0.11	+21.93	28 5 53.85	47.582	+ 0.01	+ 29.2	12 37 17.71	.....	+10 45 9.9	....
31	δ Virginis	9	50 40.43	− 0.11	+21.85	34 57 52.72	43.965	− 0.04	+ 38.2	12 51 2.20	.....	+ 3 53 24.7	....
32	ε Virginis	9	57 18.14	− 0.11	+21.88	27 23 52.98	45.935	− 0.06	+ 28.4	12 57 39.91	.....	+11 26 49.2	....
33	α Virginis	9	20 3.24	− 0.11	+21.85	49 31 53.80	44.785	− 0.11	+1 4.1	13 20 25.01	.....	−10 41 20.8	....
34	α Ursæ Minoris s. p.	7	25 1.83	+ 6.59	+21.88	307 41 47.75	45.030	− 0.11	−1 10.5	1 25 30.30	.....	+88 49 5.7	....
	May 16, M.												
35	Moon II	9	57 56.58	− 0.08	+22.11	31 28	......	....	.....	1 58 18.61	−68.76	.. ..	....
	May 17, M.												
36	Sun I, N	9	33 42.93	− 0.08	+22.11	19 17 55.52	44.730	+ 2.03	+ 19.2	3 34 4.96	+67.26	+19 33 21.5	....
37	Sun II, S	9	35 57.44	− 0.08	+22.11	19 49 54.50	43.885	+ 2.03	+ 19.8	3 36 19.47	−67.25	+19 1 40.8	....
38	Venus C, C	9	55 57.67	− 0.08	+22.11	18 37 52.72	45.256	+ 1.50	+ 18.5	3 56 19.70	0.00	+20 13 13.3	....
39	Mercury C, C	9	7 11.27	− 0.09	+22.11	13 33 51.02	46.182	+ 1.50	+ 13.2	5 7 33.29	+ 0.13	+25 16 59.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
12 21 30	29.950	51.9	50.9
22 16	29.951	53.7	53.2
13 3 20	29.922	72.0	73.1
4 44	29.880	75.6	78.1
9 24	29.820	78.3	77.9
11 9	29.816	73.2	72.1
11 30	......	....	71.7
12 15	......	....	69.8
12 57	29.821	70.0	68.2
14 1 21	29.718	79.7	80.0
15 3 28	29.700	84.0	85.1
4 57	29.682	85.2	85.3
9 25	29.600	85.0	83.6
11 10	29.596	79.3	78.2
11 24	......	....	77.8
11 45	......	....	77.3
12 20	29.604	77.2	75.9
12 38	......	....	75.1
12 58	......	....	74.7
13 28	29.595	74.9	73.4
17 3 36	29.71	76.1	76.0
3 56	29.711	76.8	76.5
5 7	29.700	78.4	78.1

Micrometer bisections are made at II, VI, except as noted below.

1, 8, 22.	Bisections at III, IV, V.
4.	Bisections at II, III, IV, V, VI.
5, 33, 36.	Bisections at I, II.
6, 37.	Bisections at VI, VII.
7, 21, 38, 39.	Bisections at I, II, VI, VII.
15, 18, 28, 34.	Bisections at b_4, b_5, b_6.
19.	Bisections at I, II, III.
20.	Bisections at V, VI, VII.
27.	Bisections at III, V, VI.

Notes.

1-3. Very unsteady.

10, 12, 13. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+48 42.5	−16 9.4	...	+32 33.1
5	+ 3.1	+15 50.0	...	+15 53.1
6	+ 3.0	−15 50.0	...	−15 47.0
7	+ 2.2	......	+0.3	+ 2.5
19	+ 2.9	−15 50.7	...	−15 47.8
20	+ 3.0	+15 50.6	...	+15 53.6
21	+ 2.2	......	+0.4	+ 2.6
36	+ 2.8	−15 50.3	...	−15 47.5
37	+ 2.9	+15 50.3	...	+15 53.2
38	+ 1.6	.. ....	0.0	+ 1.6
39	+ 2.3	.. ....	+0.3	+ 2.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	1 H. Draconis	9	23 49.48	− 0.94	+22.13	317 7 49.55	46.070	+ 2.22	− 50.3	9 24 10.67	.....	+81 44 6.0	....
2	δ Leonis	9	8 54.82	− 0.09	[**+22.12**]	17 49 51.50	44.940	+ 2.22	+ 17.8	11 9 16.87	.....	+21 1 21.7	....
3	σ Leonis	9	16 5.24	− 0.08	[**+22.10**]	32 19 51.25	43.500	+ 2.22	+ 34.9	11 16 27.30	.....	+ 6 31 37.8	....
4	τ Leonis	9	22 53.99	− 0.08	**+22.15**	35 29 52.18	43.970	+ 2.22	+ 39.3	11 23 16.05	.....	+ 3 21 21.8	....
5	β Leonis	9	44 3.86	− 0.08	**+22.12**	23 45 52.98	46.028	+ 2.22	+ 24.4	11 44 25.92	.....	+15 4 48.8	....
6	γ Corvi	9	10 46.28	− 0.09	**+22.09**	55 51 52.30	46.730	+ 2.22	+1 21.5	12 11 8.33	.....	−17 2 23.5	....
7	6 B. Ursæ Minoris	7	14 35.89	− 3.73	+22.14	310 39 47.52	45.660	+ 2.22	−1 4.1	12 14 54.30	.....	+88 12 31.1	....
8	24 Comæ Berenices	9	30 12.87	− 0.08	+22.14	19 57 52.28	46.692	+ 2.22	+ 20.2	12 30 34.93	.....	+18 52 38.5	....
9	ρ Virginis	9	36 55.63	− 0.08	**+22.20**	28 5 50.05	47.632	+ 2.22	+ 29.7	12 37 17.69	.....	+10 44 9.8	....
10	δ Virginis	9	50 40.10	− 0.08	**+22.14**	34 57 51.75	43.895	+ 2.22	+ 38.9	12 51 2.16	.....	+ 3 53 24.3	....
11	ϵ Virginis	9	57 17.83	− 0.08	**+22.15**	27 23 51.65	45.900	+ 2.22	+ 28.9	12 57 39.89	.....	+11 26 48.6	....
12	α Virginis	9	20 2.91	− 0.08	**+22.15**	49 31 53.32	44.662	+ 2.22	+1 5.3	13 20 24.98	.....	−10 41 21.1	....
13	α Ursæ Minoris S. P.	6	25 4.50	+ 5.28	+22.15	307 41 47.30	44.937	+ 2.22	−1 11.8	1 25 31.93	.....	+88 49 4.2	....
	May 17, P.												
14	α Ursæ Minoris	8	25 14.55	− 4.90	+22.16	310 3 52.18	44.218	+ 1.55	−1 6.0	1 25 31.81	.....	+88 49 1.9	....
	May 18, P.												
15	Sun I	9	37 41.22	− 0.05	+22.16	19 20	......	....	.....	3 38 3.33	+67.47	.. ..	....
16	Sun II	9	39 56.16	− 0.05	+22.16	... .	......	....	.....	3 40 18.27	−67.47	.. ..	....
17	Venus C, C.	9	1 4.53	− 0.04	+22.16	18 19 55.25	47.335	+ 1.59	+ 18.4	4 1 26.65	0.00	+20 30 23.3	....
18	Mercury C, C.	9	12 11.61	− 0.04	+22.16	13 31 54.20	43.410	+ 1.59	+ 13.4	5 12 33.73	+ 0.13	+25 19 59.0	....
19	1 H. Draconis	9	23 48.66	− 0.46	+22.19	317 7 49.98	46.138	+ 1.44	− 51.3	9 24 10.39	.....	+81 44 5.8	....
20	δ Leonis	9	8 54.72	− 0.04	[**+22.16**]	17 49 51.65	44.905	+ 1.44	+ 18.1	11 9 16.87	.....	+21 1 22.9	....
21	σ Leonis	9	16 5.09	− 0.04	[**+22.20**]	32 19 52.95	43.382	+ 1.44	+ 35.5	11 16 27.24	.....	+ 6 31 39.0	....
22	τ Leonis	9	22 53.96	− 0.04	[**+22.13**]	35 19 52.65	43.908	+ 1.44	+ 39.8	11 23 16.11	.....	+ 3 31 23.0	....
23	β Leonis	9	44 3.74	− 0.04	**+22.19**	23 45 52.95	46.022	+ 1.44	+ 24.8	11 44 25.90	.....	+15 4 49.4	....
24	γ Corvi	9	10 46.13	− 0.04	**+22.19**	55 51 50.45	46.735	+ 1.44	+1 23.2	12 11 8.29	.....	−17 2 22.7	....
25	6 B. Ursæ Minoris	7	14 33.74	− 2.21	+22.20	310 39 48.28	45.735	+ 1.44	−1 5.4	12 14 53.73	.....	+88 12 30.7	....
26	24 Comæ Berenices	9	30 12.79	− 0.03	+22.20	19 57 53.58	46.610	+ 1.44	+ 20.6	12 30 34.96	.....	+18 52 39.5	....
27	ρ Virginis	9	36 55.51	− 0.03	**+22.26**	28 5 52.40	47.525	+ 1.44	+ 30.2	12 37 17.68	.....	+10 44 10.2	....
28	δ Virginis	9	50 39.97	− 0.03	**+22.21**	34 57 53.58	43.785	+ 1.44	+ 39.6	12 51 2.14	.....	+ 3 53 25.1	....
29	ε Virginis	9	57 17.75	− 0.03	**+22.17**	27 23 53.68	45.775	+ 1.44	+ 29.4	12 57 39.92	.....	+11 26 49.7	....
30	α Virginis	9	20 2.84	− 0.03	**+22.17**	49 31 54.65	44.590	+ 1.44	+1 6.4	13 20 25.01	.....	−10 41 21.1	....
31	α Ursæ Minoris S. P.	7	25 7.91	+ 3.51	+22.20	307 41 49.85	44.945	+ 1.44	−1 13.0	1 25 33.62	.....	+88 49 4.9	....
	May 24, P.												
32	α Ursæ Minoris	9	25 20.89	− 4.50	.....	310 3 47.05	44.692	− 1.42	−1 6.2	1 25	.....	+88 48 59.4	....
	May 25, P.												
33	Sun I, N	9	5 44.07	− 0.10	+22.64	17 39 55.90	45.262	− 2.42	+ 17.7	4 6 6.61	+67.91	+21 11 14.9	....
34	Sun II, S	9	7 59.90	− 0.10	+22.64	18 11 55.95	44.380	− 2.42	+ 18.3	4 8 22.44	−67.92	+20 39 34.0	....
	May 28, P.												
35	Sun I, S	9	17 52.86	− 0.12	+22.82	17 39 55.22	47.302	− 2.45	+ 17.4	4 18 15.56	+68.14	+21 10 29.3	....
36	Sun II, N	9	20 9.14	− 0.12	+22.82	17 7 55.68	48.440	− 2.45	+ 16.9	4 20 31.84	−68.14	+21 42 2.9	....
37	δ Leonis	9	8 54.06	− 0.20	[**+22.87**]	17 49 52.20	45.025	− 3.45	+ 17.7	11 9 16.69	.....	+21 1 24.8	....
38	τ Leonis	9	22 53.23	− 0.16	[**+22.88**]	35 19 53.00	44.080	− 3.38	+ 39.0	11 23 15.90	.....	+ 3 31 24.4	....
39	β Leonis	9	44 3.11	− 0.18	[**+22.86**]	23 45 49.75	46.318	− 3.28	+ 24.3	11 44 25.76	.....	+15 4 51.0	....
40	π Virginis	9	55 50.63	− 0.17	[**+22.80**]	31 43 51.00	44.718	− 3.22	+ 34.2	11 56 13.29	.....	+ 7 7 16.4	....
41	Moon I, N	9	1 39.32	− 0.16	+22.83	33 47 51.38	47.246	− 3.19	+ 37.0	12 2 1.99	+61.28	+ 5 2 15.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 9 24	29.679	78.2	77.5
11 9	29.691	73.2	72.2
11 25	......	....	71.8
12 6	29.706	71.7	70.2
12 48	......	....	67.8
13 25	29.732	67.8	66.2
1 24	29.764	69.0	67.2
18 4 2	29.770	71.0	70.0
5 13	29.760	72.1	70.1
9 20	29.738	70.2	69.6
11 7	29.750	[illegible]	64.1
11 28	......	....	63.0
11 43	......	....	62.3
12 9	......	....	61.1
12 20	29.783	63.0	61.1
12 48	......	....	60.6
13 29	29.812	61.0	59.1
24 1 19	29.883	66.8	67.5
25 4 8	[illegible]	72.0	72.2
28 4 20	29.620	75.8	76.0
11 7	29.581	72.0	71.0
11 48	......	....	69.7

Micrometer bisections are made at II, VI, except as noted below.

1, 7, 13, 14, 19, 25, 31, 32.	Bisections at b_4, b_5, b_6.
6, 33, 35.	Bisections at I, II.
17, 18.	Bisections at I, II, VI, VII.
24, 34, 36.	Bisections at VI, VII.
37.	Bisections at II, VI, VII.
41.	Bisections at II, III, IV, V, VI.

Note.
12. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
17	+ 1.6	.. ....	0.0	+ 1.6
18	+ 2.3	.. ....	+ 0.3	+ 2.6
33	+ 2.6	−15 50.4	...	−15 47.8
34	+ 2.7	+15 50.4	...	+15 53.1
35	+ 2.6	+15 46.7	...	+15 49.3
36	+ 2.5	−15 46.8	...	−15 44.3
41	+30 1.8	−14 47.8	...	+15 14.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Corvi	9	10 45.48	− 0.14	**+22.85**	55 51 51.18	46.960	− 3.14	+1 21.5	12 11 8.17	.....	−17 2 22.3	....
2	6 B. Ursæ Minoris	6	14 31.28	− 7.24	+22.83	310 39 48.25	45.810	− 3.13	−1 4.0	12 14 46.87	.....	+88 12 32.2	....
3	24 Comæ Berenices	9	30 12.24	− 0.19	+22.83	19 57 51.58	46.850	− 3.05	+ 20.2	12 30 34.88	.....	+18 52 40.9	....
4	ρ Virginis	9	36 54.99	− 0.17	**+22.84**	28 5 51.62	47.710	− 3.01	+ 29.6	12 37 17.65	.....	+10 44 11.8	....
5	31 Comæ Berenices	9	46 54.51	− 0.22	**+22.80**	10 49 50.18	43.328	− 2.96	+ 10.6	12 47 17.12	.....	+28 2 12.3	....
6	δ Virginis	9	50 39.46	− 0.16	**+22.79**	34 57 54.10	43.948	− 2.95	+ 38.7	12 51 2.13	.....	+ 3 53 26.1	....
7	ε Virginis	9	57 17.21	− 0.17	**+22.79**	27 23 53.38	45.952	− 2.91	+ 28.8	12 57 39.87	.....	+11 26 50.9	....
8	α Ursæ Minoris s. p.	6	25 7.98	+10.94	+22.83	307 41 48.32	45.007	− 2.77	−1 11.5	1 25 41.75	.....	+88 49 2.1	....
9	τ Boötis	9	42 34.83	− 0.19	+22.84	20 55 51.95	47.032	− 2.69	+ 21.3	13 42 57.48	.....	+17 54 34.9	....
10	η Boötis	9	49 59.68	− 0.19	**+22.92**	19 59 52.32	45.465	− 2.65	+ 20.3	13 50 22.33	.....	+18 51 11.2	....
11	τ Virginis	9	56 39.40	− 0.16	**+22.85**	36 51 54.58	44.975	− 2.61	+ 41.7	13 57 2.08	.....	+ 1 58 58.9	....
	May 28, L.												
12	1 H. Draconis s. p.	9	23 45.49	+ 0.99	+22.80	300 37 49.58	43.508	− 2.36	−1 34 0	9 24 9.28	.....	+81 44 7.0	....
	May 29, L.												
13	1 H. Draconis	9	23 47.31	− 0.84	+22.79	317 7 51.45	46.225	− 1.06	− 50.2	9 24 9.26	.....	+81 44 3.6	....
14	τ Leonis	9	22 53.21	− 0.10	**[+22.83]**	35 29 54.12	43.982	− 1.45	+ 39.1	11 23 15.90	.....	+ 3 21 23.4	....
15	β Leonis	9	44 3.10	− 0.11	**[+22.79]**	23 45 55.18	46.018	− 1.54	+ 24.2	11 44 25.78	.....	+15 4 50.8	....
16	6 B. Ursæ Minoris	7	14 28.09	− 4.88	+22.79	310 39 49.55	45.718	− 1.61	−1 3.8	12 14 46.00	.....	+88 12 31.0	....
17	η Virginis	9	14 53.04	− 0.10	**+22.84**	38 59 55.65	46.698	− 1.61	+ 44.6	12 15 15.73	.....	− 0 9 45.4	....
18	24 Comæ Berenices	9	30 12.18	− 0.12	+22.79	19 57 56.02	46.610	− 1.67	+ 20.1	12 30 34.85	.....	+18 52 40.7	....
19	ρ Virginis	9	36 54.98	− 0.11	**+22.78**	28 5 54.90	47.538	− 1.74	+ 29.5	12 37 17.66	.....	+10 44 11.3	....
20	Moon I, N	9	45 58.40	− 0.10	+22.80	39 1 55.85	44.835	− 1.78	+ 44.8	12 46 21.10	+61.16	− 0 11 3.1	....
21	δ Virginis	9	50 39.42	− 0.10	**+22.77**	34 57 55.80	43.828	− 1.80	+ 38.6	12 51 2.12	.....	+ 3 53 26.1	....
22	ε Virginis	9	57 17.12	− 0.11	**+22.82**	27 23 54.58	45.858	− 1.82	+ 28.7	12 57 39.81	.....	+11 26 50.9	....
23	θ Virginis	9	4 52.54	− 0.09	**+22.76**	43 53 55.50	45.200	− 1.85	+ 53.2	13 5 15.25	.....	− 5 3 19.5	....
24	α Ursæ Minoris s. p.	6	25 11.77	+ 8.01	+22.80	307 41 49.78	44.917	− 1.93	−1 11.2	1 25 42.58	.....	+88 49 2.7	....
25	ζ Virginis	9	29 41.74	− 0.10	**+22.77**	38 57 55.20	47.270	− 1.95	+ 44.8	13 30 4.44	.....	− 0 7 58.0	....
26	τ Boötis	9	42 34.79	− 0.12	+22.80	20 55 55.18	46.892	− 2.00	+ 21.2	13 42 57.47	.....	+17 54 34.3	....
27	η Boötis	9	49 59.71	− 0.12	**+22.81**	19 59 54.40	45.358	− 2.03	+ 20.2	13 50 22.39	.....	+18 51 11.2	....
28	τ Virginis	9	56 39.37	− 0.10	**+22.82**	36 51 55.30	44.912	− 2.05	+ 41.6	13 57 2.07	.....	+ 1 58 59.1	....
	May 30, P.												
29	θ Virginis	9	4 52.48	− 0.19	**+22.91**	43 53 54.80	45.230	− 1.32	+ 53.0	13 5 15.17	.....	− 5 3 19.8	....
30	α Virginis	9	20 2.22	− 0.18	**+22.89**	49 31 55.42	44.728	− 1.32	+1 4.6	13 20 24.92	.....	−10 41 20.5	....
31	Moon I, N	9	30 42.36	− 0.18	+22.88	44 17 53.85	45.880	− 1.32	+ 53.8	13 31 5.06	+61.76	− 5 27 34.4	....
32	τ Virginis	9	56 39.33	− 0.18	**+22.94**	36 51 50.45	45.095	− 1.32	+ 41.5	13 57 2.03	.....	+ 1 58 59.2	....
33	λ Virginis	9	13 49.63	− 0.17	**+22.83**	51 47 50.50	44.602	− 1.32	+1 10.2	14 14 12.34	.....	−12 57 18.3	....
34	2 Libræ	9	18 10.31	− 0.17	+22.88	50 7 48.92	46.875	− 1.32	+1 6.2	14 18 33.02	− 1.30	−11 18 4.7	+ 7.3
35	φ Virginis	9	23 9.35	− 0.17	+22.88	40 39 52.90	45.558	− 1.32	+ 47.5	14 23 32.06	− 1.30	− 1 49 19.9	+ 5.3
36	μ Virginis	9	37 54.49	− 0.16	**+22.84**	44 5 52.90	46.800	− 1.32	+ 53.6	14 38 17.21	.....	− 5 15 54.3	....
37	109 Virginis	9	41 17.51	− 0.17	**+22.89**	36 33 51.35	46.440	− 1.32	+ 41.1	14 41 40.22	.....	+ 2 16 27.9	....
	May 31, L.												
38	κ Virginis	9	7 40.92	− 0.16	**+22.90**	48 41 55.75	44.248	+ 0.16	+1 3.2	14 8 3.65	.....	− 9 51 9.9	....
39	ι Virginis	9	10 52.98	− 0.16	**+22.92**	44 23 56.08	47.130	+ 0.16	+ 54.4	14 11 15.71	.....	− 5 34 7.3	....
40	λ Virginis	9	13 49.57	− 0.17	**+22.89**	51 47 55.45	44.268	+ 0.16	+1 10.5	14 14 12.29	.....	−12 57 17.4	....
41	Moon I, N	9	16 52.64	− 0.17	+22.89	49 25 55.52	48.439	+ 0.16	+1 4.9	14 17 15.36	+63.06	−10 36 47.2	....
42	φ Virginis	8	23 9.27	− 0.16	+22.89	40 39 54.82	45.370	+ 0.16	+ 47.7	14 23 32.00	− 1.30	− 1 49 19.2	+ 5.2
43	μ Virginis	9	37 54.43	− 0.17	**+22.91**	44 5 56.10	46.582	+ 0.16	+ 53.8	14 38 17.15	.....	− 5 15 54.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 12 20	29.588	69.1	68.2
13 0	29.593	68.4	67.5
13 35	......	....	66.3
13 58	29.600	67.0	65.9
21 25	29.558	61.9	61.2
29 9 25	29.648	76.1	77.9
11 23	29.652	73.7	74.2
11 45	......	....	73.0
12 20	......	....	71.1
12 34	29.660	70.3	70.8
12 51	......	....	70.3
13 6	......	....	70.1
13 30	......	....	69.2
13 58	29.674	68.9	68.2
30 13 3	29.700	73.0	71.9
13 22	......	....	71.5
13 57	......	....	70.1
14 26	29.702	71.0	70.0
14 43	29.704	71.0	69.7
31 14 7	[illegible]	69.7	69.0
14 18	......	....	69.0

Micrometer bisections are made at II, VI, except as noted below.

2. Bisections at b_4, b_5, b_7.
8, 24. Bisections at b_4, b_5, b_6.
10. Bisections at VI, VII.
12, 13. Bisections at III, IV, V.
16. Bisections at b_6, b_7, b_8.
17. Bisections at I, II.
20, 31, 41. Bisections at II, III, IV, V, VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
20	+34 5.3	−14 50.0	...	+19 15.3
31	+38 1.6	−14 54.7	...	+23 6.9
41	+41 41.9	−15 1.4	...	+26 40.5

Notes.

12, 13. Faint.
22. Circle reading decreased 10′.
30–37. Clouds.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Libræ	9	45 29.25	− 0.17	**+22.85**	54 29 54.40	45.785	+ 0.16	+1 17.8	14 45 51.97	.....	−15 39 58.3	....
	May 31, P.												
2	1 H. Draconis S. P.	9	23 45.00	+ 1.13	+22.97	300 37 48.05	43.442	− 0.17	−1 34.2	9 24 9.10	.....	+81 44 5.9	....
	June 1, P.												
3	Sun I, N	9	34 10.71	− 0.18	+23.00	16 31 53.80	48.655	+ 0.29	+ 16.4	4 34 33.53	+68.39	+22 17 58.0	....
4	Sun II, S	9	36 27.50	− 0.18	+23.00	17 3 53.18	47.480	+ 0.29	+ 16.9	4 36 50.32	−68.40	+21 46 24.6	....
5	Venus C, C	9	14 21.14	− 0.19	+23.00	15 23 52.12	45.331	+ 0.29	+ 15.1	5 14 43.95	0.00	+23 27 16.8	....
	June 1, L.												
6	1 H. Draconis S. P.	8	23 45.34	+ 0.82	+22.99	300 37 49.40	43.480	− 0.60	−1 34.7	9 24 9.15	.....	+81 44 7.2	....
7	α Ursæ Minoris	7	25 28.24	− 5.27	+22.99	310 3 51.50	44.480	+ 0.41	−1 5.5	1 25 45.96	.....	+88 48 57.3	....
	June 2, L.												
8	Sun I, S	9	38 16.28	− 0.19	+22.99	16 55 52.90	47.467	+ 0.08	+ 16.7	4 38 39.08	+68.36	+21 54 26.0	....
9	Sun II, N	9	40 33.00	− 0.19	+22.99	16 23 52.72	48.578	+ 0.08	+ 16.1	4 40 55.80	−68.36	+22 26 1.1	....
10	β Leonis	9	44 2.97	− 0.22	[**+22.99**]	23 45 54.35	45.995	− 0.62	+ 24.0	11 44 25.77	.....	+15 4 51.4	....
11	γ Corvi	9	10 45.34	− 0.19	[**+22.99**]	55 51 55.22	46.695	− 0.62	+1 20.6	12 11 8.17	.....	−17 2 21.9	....
12	6 B. Ursæ Minoris	7	14 27.44	− 6.52	+23.02	310 39 50.70	45.598	− 0.62	−1 3.3	12 14 43.94	.....	+88 12 31.4	....
13	24 Comæ Berenices	9	30 12.03	− 0.23	+23.02	19 57 55.38	46.570	− 0.62	+ 19.9	12 30 34.82	.....	+18 52 41.4	....
14	δ Virginis	9	50 39.28	− 0.21	**+22.99**	34 57 55.38	43.808	− 0.62	+ 38.3	12 51 2.09	.....	+ 3 53 26.1	....
15	ε Virginis	9	57 17.01	− 0.22	**+23.01**	27 23 53.45	45.842	− 0.62	+ 28.5	12 57 39.81	.....	+11 26 51.4	....
16	43 Comæ Berenices	9	7 16.02	− 0.25	**+23.04**	10 29 53.62	47.802	− 0.62	+ 10.2	13 7 38.79	.....	+28 20 24.6	....
17	α Ursæ Minoris S. P.	8	25 12.49	+ 9.73	+23.02	307 41 49.65	44.842	− 0.62	−1 10.6	1 25 45.24	.....	+88 49 1.9	....
18	τ Boötis	9	42 34.67	− 0.23	+23.02	20 55 54.95	46.815	− 0.62	+ 21.1	13 42 57.46	.....	+17 54 35.0	....
19	η Boötis	9	49 59.58	− 0.23	**+23.04**	19 59 54.08	45.288	− 0.62	+ 20.0	13 50 22.37	.....	+18 51 11.9	....
20	11 Boötis	9	56 41.49	− 0.25	+23.02	11 1 53.22	44.728	− 0.62	+ 10.8	13 57 4.26	.....	+27 49 34.7	....
	June 5, L.												
21	Sun N	.	.. ..	....	.....	16 1 52.30	49.348	− 0.37	+ 15.7	4 52	.....	+22 47 45.0	....
22	Sun S	.	.. ..	....	.....	16 33 52.55	48.127	− 0.37	+ 16.2	.. ..	.....	+22 16 11.9	....
	June 6, M.												
23	Moon N	.	.. ..	....	.....	63 35 54.02	47.191	0.00	+1 53.3	19 57	.....	−24 47 5.4	....
24	β Capricorni	5	15 32.13	− 0.13	**+23.32**	53 53 53.95	46.315	0.00	+1 17.3	20 15	.....	−15 4 9.4	....
25	ρ Capricorni	9	23 18.42	− 0.13	**+23.28**	56 55 54.22	47.833	0.00	+1 26.6	20 23	.....	−18 6 53.6	....
26	ν Capricorni	9	34 30.38	− 0.13	.....	57 17 55.15	44.233	0.00	+1 27.8	20 34	.....	−18 27 33.4	....
27	θ Capricorni	9	0 27.93	− 0.13	[**+23.30**]	56 25 54.28	44.705	0.00	+1 25.0	21 0	.....	−17 35 40.5	....
28	ι Capricorni	9	16 48.71	− 0.13	[**+23.33**]	56 3 53.25	43.872	0.00	+1 23.9	21 17	.....	−17 13 19.4	....
29	1 H. Draconis S. P.	9	23 44.13	+ 1.08	.....	300 37 47.02	43.452	0.00	−1 34.9	9 24	.....	+81 44 4.8	....
30	α Ursæ Minoris	6	25 35.33	− 7.78	.....	310 3 50.82	44.480	+ 0.64	−1 6.1	1 25	.....	+88 48 58.3	....
	June 7, M.												
31	Sun N	.	.. ..	....	.....	15 49 53.80	47.798	+ 0.34	+ 15.7	5 0	.....	+23 0 18.2	....
32	Sun S	.	.. ..	....	.....	16 21 54.42	46.518	+ 0.34	+ 16.2	.. ..	.....	+22 28 46.1	....
	June 11, M.												
33	ω Piscium	9	54 14.90	− 0.10	[**+23.64**]	32 29 51.90	43.812	− 0.05	+ 35.7	23 54 38.38	.....	+ 6 21 31.6	....
34	γ Pegasi	9	8 9.47	− 0.11	[**+23.61**]	24 9 52.55	46.795	− 0.05	+ 25.1	0 8 32.94	.....	+14 40 33.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
31 14 46	29.762	69.3	69.0
21 21	29.770	65.0	63.8
1 4 36	29.830	77.7	76.8
5 15	29.842	78.1	77.6
21 25	29.812	64.2	61.7
1 26	29.848	72.9	71.9
2 4 40	29.842	79.7	79.2
11 45	......	....	78.7
12 12	29.764	77.3	77.0
12 31	......	....	76.4
12 54	......	....	75.9
13 33	......	....	75.2
13 55	29.774	75.2	74.7
5 4 54	29.518	76.8	77.0
6 19 58	29.850	64.4	63.0
20 16	......	....	62.8
20 35	29.870	63.7	62.2
21 0	......	....	62.0
21 24	29.853	62.8	61.5
1 26	29.900	69.8	69.2
7 5 1	29.896	76.0	75.6
11 23 54	29.818	65.3	66.2
0 8	......	....	67.2

Micrometer bisections are made at II, VI, except as noted below.

2, 6.	Bisections at III, IV, V.
3, 31, 33.	Bisections at I, II.
4, 24, 32.	Bisections at VI, VII.
5.	Bisections at I, II, VI, VII.
7, 12, 29, 30.	Bisections at b_4, b_5, b_6.
8, 21.	Bisections at I, II, III.
9, 22.	Bisections at V, VI, VII.
17.	Bisections at b_6, b_7, b_8, b_9.
23.	Bisections at II, III, IV, V, VI.
25, 26.	Bisections at II, VI, VII.

Notes.

7, 26, 27.	Unsteady.
10, 14, 16–19.	Through clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 2.4	−15 46.6	...	−15 44.2
4	+ 2.5	+15 46.7	...	+15 49.2
5	+ 1.4	.. ....	0.0	+ 1.4
8	+ 2.5	+15 47.5	...	+15 50.0
9	+ 2.4	−15 47.5	...	−15 45.1
21	+ 2.4	−15 46.5	...	−15 44.1
22	+ 2.5	+15 46.5	...	+15 49.0
23	+52 3.1	−15 53.7	...	+36 9.4
31	+ 2.3	−15 46.0	...	−15 43.7
32	+ 2.4	+15 46.0	...	+15 48.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Ceti	9	14 24.08	− 0.10	[+**23.60**]	48 9 52.40	45.740	− 0.05	+1 2.4	0 14 47.56	.....	− 9 19 39.7	....
2	Moon II, N	9	43 40.14	− 0.10	+23.58	39 51 56.20	46.374	− 0.05	+ 46.6	0 44 3.62	−67.24	− 1 1 42.2	....
3	α Ursæ Minoris	6	25 36.57	− 5.85	+23.58	310 3 48.68	44.565	− 0.05	−1 5.8	1 25 54.30	.....	+88 48 58.9	....
4	β Arietis	9	49 12.58	− 0.11	[+**23.62**]	18 29 52.30	44.055	− 0.05	+ 18.6	1 49 36.05	.....	+20 21 42.7	....
5	α Arietis	9	1 38.37	− 0.12	[+**23.60**]	15 49 53.50	43.772	− 0.05	+ 15.8	2 2 1.83	.....	+23 1 50.7	....
	June 12, M.												
6	Sun I, S	9	19 29.77	− 0.17	+23.59	15 57 56.78	45.558	− 0.39	+ 15.7	5 19 53.19	+68.77	+22 53 7.1	....
7	Sun II, N	9	21 47.30	− 0.17	+23.59	15 25 53.98	46.955	− 0.39	+ 15.2	5 22 10.72	−68.76	+23 24 38.3	....
8	α Ursæ Minoris S. P.	7	25 22.61	+ 9.07	+23.60	307 41 51.98	44.665	− 1.00	−1 11.1	1 25 55.28	.....	+88 49 0.1	....
9	τ Boötis	9	42 34.01	− 0.19	+23.60	20 55 57.00	46.728	− 1.00	+ 21.2	13 42 57.42	.....	+17 54 35.2	....
10	η Boötis	9	49 58.91	− 0.20	+**23.61**	19 59 57.55	45.140	− 1.00	+ 20.2	13 50 22.31	.....	+18 51 12.0	....
11	11 Boötis	9	56 40.77	− 0.22	+23.60	11 1 56.68	44.600	− 1.00	+ 10.8	13 57 4.15	.....	+27 49 34.5	....
12	d Boötis	9	5 52.88	− 0.21	+**23.62**	13 19 58.15	44.955	− 1.00	+ 13.2	14 6 16.27	.....	+25 31 22.6	....
13	α Boötis	9	11 8.54	− 0.20	+**23.57**	19 11 56.02	44.918	− 1.00	+ 19.3	14 11 31.94	.....	+19 39 19.4	....
14	f Boötis	9	21 51.32	− 0.20	+**23.61**	19 11 55.30	48.110	− 1.00	+ 19.4	14 22 14.72	.....	+19 38 7.1	....
15	57 B. Ursæ Minoris	9	6 25.11	− 4.50	+23.60	311 17 51.78	43.900	− 1.00	−1 3.0	15 6 44.21	.....	+87 35 9.3	....
	June 13, L.												
16	α Ursæ Minoris	7	25 44.80	−10.89	+ 23.49	310 3 56.00	44.335	− 0.20	−1 5.1	1 25 57.40	.....	+88 48 56.3	....
	June 14, L.												
17	Sun I, N	6	28 16.22	− 0.19	− 4.74	15 17 56.88	49.665	− 0.67	+ 14.9	5 28 11.29	+68.89	+23 31 34.2	....
18	Sun II, S	9	30 33.99	− 0.19	− 4.74	15 49 56.62	48.410	− 0.67	+ 15.4	5 30 29.06	−68.88	+23 0 2.5	....
19	ε Aquilæ	9	55 36.20	− 0.14	− **4.88**	23 53 57.75	46.600	− 1.14	+ 24.8	18 55 31.19	.....	+14 56 33.9	....
20	ζ Aquilæ	9	1 20.29	− 0.14	− **4.86**	25 7 57.45	43.885	− 1.14	+ 26.2	19 1 15.28	.....	+13 43 34.9	....
21	π Sagittarii	9	4 27.99	− 0.10	− 4.87	59 59 57.35	45.312	− 1.14	+1 36.5	19 4 23.02	.....	−21 10 7.8	....
22	ψ Sagittarii	9	10 4.54	− 0.10	− 4.87	64 13 57.25	46.310	− 1.14	+1 55.4	19 9 59.57	.....	−25 24 49.4	....
23	d Sagittarii	9	12 25.44	− 0.10	− **4.92**	57 55 57.95	47.715	− 1.14	+1 29.1	19 12 20.47	.....	−19 6 55.9	....
24	6 Vulpeculæ	9	25 1.74	− 0.16	− 4.87	14 21 56.85	46.715	− 1.14	+ 14.4	19 24 56.71	.....	+24 28 42.6	....
25	β Sagittæ	9	37 4.24	− 0.15	− **4.85**	21 35 56.58	43.542	− 1.14	+ 22.2	19 36 59.22	.....	+17 15 47.6	....
26	δ Sagittæ	9	43 26.39	− 0.15	− **4.88**	20 31 57.28	47.085	− 1.14	+ 21.0	19 43 21.37	.....	+18 18 27.1	....
27	γ Sagittæ	9	54 49.08	− 0.15	− **4.83**	19 35 56.70	46.855	− 1.14	+ 20.0	19 54 44.06	.....	+19 14 33.9	....
	June 15, M.												
28	π Sagittarii	9	4 28.06	− 0.12	.....	59 59 55.82	45.362	− 0.64	+1 37.7	19 4	.....	−21 10 9.1	....
29	ψ Sagittarii	9	10 4.59	− 0.12	.....	64 13 56.10	46.350	− 0.64	+1 56.8	19 9	.....	−25 24 51.0	....
30	d Sagittarii	9	12 25.59	− 0.12	− **5.02**	57 55 55.35	47.765	− 0.64	+1 30.2	19 12	.....	−19 6 56.1	....
31	Uranus C, C	9	27 19.14	− 0.12	− 5.04	61 13 56.88	46.381	− 0.64	+1 43.0	19 27 13.98	.....	−22 24 38.7	....
32	h Sagittarii	9	31 17.08	− 0.12	.....	63 53 55.72	47.065	− 0.64	+1 55.3	19 31	.....	−25 5 5.6	....
33	f Sagittarii	9	41 10.06	− 0.12	.....	58 47 55.78	47.330	− 0.64	+1 33.4	19 41	.....	−19 58 49.8	− 2.2
	June 15, L.												
34	α Ursæ Minoris	7	26 12.41	− 5.62	− 5.08	310 3 56.15	44.427	− 0.31	−1 6.8	1 26 1.71	.....	+88 48 55.9	....
	June 16, L.												
35	Sun I, S	9	36 35.21	− 0.16	− 5.12	15 45 57.95	45.017	− 0.43	+ 15.7	5 36 29.93	+68.88	+23 5 18.3	....
36	Sun II, N	9	38 52.97	− 0.16	− 5.12	15 13 57.38	46.260	− 0.43	+ 15.2	5 38 47.69	−68.88	+23 36 50.9	....
37	Venus I, C	9	35 22.34	− 0.17	− 5.12	14 41 59.95	43.872	− 0.92	+ 14.5	6 35 17.05	+ 0.42	+24 9 44.1	....
38	Venus II	9	35 23.16	− 0.17	− 5.12	... .	......	....	. ....	6 35 17.87	− 0.40	.. ..	....
39	α Ursæ Minoris S. P.	6	25 54.90	+ 8.12	− 5.17	307 41 54.95	44.613	− 1.62	−1 11.9	1 25 57.85	.....	+88 49 0.5	....
40	ζ Virginis	9	30 9.64	− 0.14	[− **5.19**]	38 57 59.62	46.945	− 1.62	+ 45.2	13 30 4.33	.....	− 0 7 55.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 0 44	29.845	68.8	68.0
1 26	29.845	70.2	69.7
2 2	29.845	71.8	71.4
12 5 22	29.838	78.1	78.0
13 15	29.793	73.8	72.7
13 40	......	....	72.1
14 15	29.810	72.3	71.0
15 6	29.807	71.2	69.6
13 1 26	29.782	73.0	74.1
14 5 31	29.810	82.4	82.7
18 56	29.800	68.2	66.9
19 19	......	....	66.7
19 56	29.794	68.0	66.3
15 19 0	30.005	65.8	64.8
19 19	......	....	63.2
19 41	30.010	64.7	63.3
1 28	30.068	67.2	66.0
16 5 39	30.038	74.8	74.6
6 35	30.020	75.8	75.8
13 26	29.950	71.0	69.7

Micrometer bisections are made at II, VI, except as noted below.

1, 4, 5, 23.	Bisections at I, II, VI.
2.	Bisections at II, III, IV, V, VI.
3, 8, 15, 16, 34, 39.	Bisections at b_4, b_5, b_6.
6, 24, 29.	Bisections at I, II.
7.	Bisections at VI, VII.
17, 35.	Bisections at I, II, III.
18, 36.	Bisections at V, VI, VII.
21, 31, 37.	Bisections at I, II, VI, VII.

Notes.

9, 10.	Clouds.
16.	Very faint and unsteady.
19–27.	Through clouds or haze.
30.	Unsteady.
34.	Faint; thin clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+37 55.9	−16 12.6	...	+21 43.3
6	+ 2.4	+15 45.5	...	+15 47.9
7	+ 2.3	−15 45.6	...	−15 43.3
17	+ 2.3	−15 45.9	...	−15 43.6
18	+ 2.3	+15 45.8	...	+15 48.1
31	+ 0.4	.. ....	...	+ 0.4
35	+ 2.3	+15 46.3	...	+15 48.6
36	+ 2.3	−15 46.3	...	−15 44.0
37	+ 1.3	.. ....	0.0	+ 1.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″.	′ ″	h m s	s	° ′ ″	″
1	τ Boötis	9	43 2.69	− 0.16	−5.17	20 55 59.85	46.538	− 1.62	+ 21.4	13 42 57.36	.....	+17 54 37.1	....
2	η Boötis	9	50 27.62	− 0.16	**−5.17**	19 59 59.00	45.012	− 1.62	+ 20.4	13 50 22.29	.....	+18 51 13.9	....
3	11 Boötis	9	57 9.48	− 0.18	−5.18	11 1 59.42	44.385	− 1.62	+ 11.0	13 57 4.12	.....	+27 49 37.1	....
4	*d* Boötis	9	6 21.56	− 0.17	**−5.13**	13 19 58.70	44.880	− 1.62	+ 13.3	14 6 16.21	.....	+25 31 24.2	....
5	α Boötis	9	11 37.21	− 0.16	**−5.17**	19 11 59.08	44.710	− 1.62	+ 19.5	14 11 31.87	.....	+19 39 21.6	....
6	*f* Boötis	9	22 20.04	− 0.16	**−5.17**	19 11 59.30	47.868	− 1.62	+ 19.6	14 22 14.70	.....	+19 38 9.1	....
7	57 B. Ursæ Minoris	9	6 51.33	− 4.00	−5.18	311 17 54.50	43.800	− 1.62	−1 3.5	15 6 42.15	.....	+87 35 9.9	....
8	π Sagittarii	9	4 28.35	− 0.12	−5.21	60 0 0.00	45.160	− 1.36	+1 37.3	19 4 23.02	.....	−21 10 7.5	....
9	ψ Sagittarii	9	10 4.96	− 0.12	−5.21	64 13 59.20	46.225	− 1.36	+1 56.3	19 9 59.63	.....	−25 24 50.0	....
10	*d* Sagittarii	9	12 25.87	− 0.12	**−5.28**	57 55 59.32	47.630	− 1.36	+1 29.8	19 12 20.54	.....	−19 6 55.9	....
11	Uranus C, C	9	27 10.53	− 0.12	−5.22	61 14 0.15	47.131	− 1.36	+1 42.5	19 27 5.19	.....	−22 24 57.9	....
12	*h* Sagittarii	9	31 17.46	− 0.12	−5.22	63 53 59.68	46.912	− 1.36	+1 54.7	19 31 12.12	.....	−25 5 4.6	....
13	54 Sagittarii	9	35 37.73	− 0.12	−5.22	55 19 58.90	45.920	− 1.36	+1 21.4	19 35 32.39	.....	−16 30 8.0	....
14	*f* Sagittarii	9	41 10.42	− 0.12	−5.22	58 47 59.15	47.166	− 1.36	+1 32.9	19 41 5.08	− 1.71	−19 58 48.1	− 2.3
	June 17, L.												
15	α Ursæ Minoris	9	26 13.28	− 7.60	−5.38	310 3 55.78	44.418	− 1.29	−1 6.4	1 26 0.30	.....	+88 48 57.0	....
	June 18, L.												
16	Sun I, N	9	44 54.73	− 0.14	−5.44	15 9 56.42	47.360	− 1.17	+ 15.2	5 44 49.15	+68.92	+23 40 27.6	....
17	Sun II, S	9	47 12.57	− 0.14	−5.44	15 41 57.62	46.058	− 1.17	+ 15.7	5 47 6.99	−68.92	+23 8 55.5	....
18	Venus I, C	9	46 7.28	− 0.14	−5.45	14 47 58.15	45.232	− 1.41	+ 14.8	6 46 1.69	+ 0.44	+24 3 15.0	....
19	Venus II	9	46 8.14	− 0.14	−5.45	... .	......	....	. ....	6 46 2.55	− 0.42	.. ..	....
20	α Ursæ Minoris s. p.	6	25 58.15	+ 6.86	−5.47	307 41 54.38	44.632	− 1.00	−1 12.3	1 25 59.54	.....	+88 49 0.6	....
21	ζ Virginis	9	30 9.94	− 0.13	[**−5.51**]	38 57 59.10	46.938	− 1.00	+ 45.5	13 30 4.33	.....	− 0 7 55.9	....
22	τ Boötis	9	43 2.99	− 0.15	−5.48	20 55 59.80	46.528	− 1.00	+ 21.6	13 42 57.36	.....	+17 54 36.6	....
23	η Boötis	9	50 27.89	− 0.15	**−5.47**	19 59 59.02	44.972	− 1.00	+ 20.5	13 50 22.26	.....	+18 51 14.0	....
24	11 Boötis	9	57 9.82	− 0.16	−5.48	11 1 58.78	44.412	− 1.00	+ 11.0	13 57 4.18	.....	+27 49 36.5	....
25	*d* Boötis	9	6 21.84	− 0.16	**−5.44**	13 19 58.48	44.848	− 1.00	+ 13.4	14 6 16.20	.....	+25 31 24.5	....
26	α Boötis	9	11 37.54	− 0.15	**−5.52**	19 11 58.75	44.700	− 1.00	+ 19.7	14 11 31.91	.....	+19 39 21.3	....
27	*f* Boötis	9	22 20.33	− 0.15	**−5.49**	19 11 59.18	47.828	− 1.00	+ 19.7	14 22 14.70	.....	+19 38 9.4	....
28	57 B. Ursæ Minoris	9	6 50.50	− 3.39	−5.49	311 17 53.95	43.787	− 1.00	−1 4.0	15 6 41.62	.....	+87 35 10.7	....
	June 18, M.												
29	α Ursæ Minoris	8	26 13.85	− 4.41	−5.46	310 3 55.40	44.432	− 0.32	−1 7.4	1 26 3.98	.....	+88 48 57.1	....
	June 19, M.												
30	Sun I, N	9	49 4.31	− 0.17	−5.52	15 9 57.98	44.142	− 0.67	+ 15.2	5 48 58.62	+68.96	+23 41 39.0	....
31	Sun II, S	9	51 22.24	− 0.17	−5.52	15 41 59.02	42.895	− 0.67	+ 15.7	5 51 16.55	−68.97	+23 10 5.8	....
32	Venus C, C	9	51 29.59	− 0.17	−5.52	14 51 58.42	46.060	− 0.93	+ 14.9	6 51 23.90	+ 0.01	+23 58 55.3	....
33	α Ursæ Minoris s. p.	6	26 1.81	+ 6.88	−5.59	307 41 51.98	44.720	− 1.51	−1 12.3	1 26 3.10	.....	+88 48 59.7	....
34	ζ Virginis	9	30 10.07	− 0.16	[**−5.62**]	38 57 57.80	47.058	− 1.51	+ 45.4	13 30 4.32	.....	− 0 7 56.8	....
35	τ Boötis	9	43 3.11	− 0.17	−5.60	20 55 56.98	46.705	− 1.51	+ 21.6	13 42 57.34	.....	+17 54 35.9	....
36	η Boötis	9	50 28.03	− 0.17	[**−5.60**]	19 59 56.22	45.150	− 1.51	+ 20.5	13 50 22.26	.....	+18 51 13.3	....
37	11 Boötis	9	57 9.90	− 0.19	−5.60	11 1 56.92	44.540	− 1.51	+ 11.0	13 57 4.11	.....	+27 49 36.0	....
38	*d* Boötis	9	6 21.97	− 0.18	**−5.56**	13 19 57.22	44.972	− 1.51	+ 13.4	14 6 16.19	.....	+25 31 23.4	....
39	α Boötis	9	11 37.65	− 0.18	**−5.61**	19 11 56.38	44.875	− 1.51	+ 19.7	14 11 31.87	.....	+19 39 20.2	....
40	*f* Boötis	9	22 20.45	− 0.18	**−5.58**	19 11 56.05	48.045	− 1.51	+ 19.7	14 22 14.67	.....	+19 38 8.1	....
41	109 Virginis	9	41 45.96	− 0.16	**−5.61**	36 33 55.78	46.212	− 1.51	+ 41.9	14 41 40.20	.....	+ 2 16 28.1	....
42	8 Libræ	9	45 46.26	− 0.15	**−5.65**	54 27 56.68	43.978	− 1.51	+1 18.9	14 45 40.51	.....	−15 37 18.7	....
43	57 B. Ursæ Minoris	9	6 49.56	− 3.44	−5.61	311 17 50.60	43.952	− 1.51	−1 4.0	15 6 40.51	.....	+87 35 10.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 13 41	.....	...	69.0
14 23	29.943	69.9	68.1
15 7	29.936	68.7	67.2
19 0	29.900	65.2	64.2
19 24	.....	....	64.0
19 44	29.881	65.0	63.9
17 1 27	29.772	65.7	64.1
18 5 47	29.876	69.8	69.1
6 47	29.878	70.8	70.1
13 26	29.906	66.2	66.0
13 52	.....	...	65.4
14 24	29.924	65.0	64.4
15 7	29.938	64.3	63.7
1 26	30.056	62.0	61.2
19 5 51	30.070	70.3	71.0
6 51	30.068	71.6	71.8
13 26	30.002	68.9	67.8
13 54		....	66.6
14 22	30.008	67.2	65.6
14 41		....	65.4
15 6	30.012	66.6	64.8

Micrometer bisections are made at II, VI, except as noted below.

3.	Bisections at II, VI, VII.
7, 15, 20, 28, 29, 33, 43.	Bisections at b_4, b_5, b_6.
8, 11, 12, 14, 18.	Bisections at I, II, VI, VII.
9, 30.	Bisections at I, II.
16.	Bisections at I, II, III.
17.	Bisections at V, VI, VII.
31.	Bisections at VI, VII.
32.	Bisections at II, IV, VI, VII.

Notes.

8, 12. Faint; hazy.
13. Faint.
29. Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 0.4	.. ....	...	+ 0.4
16	+ 2.2	−15 46.0	...	−15 43.8
17	+ 2.3	+15 46.0	...	+15 48.3
18	+ 1.3	.. ....	0.0	+ 1.3
30	+ 2.2	−15 46.6	...	−15 44.4
31	+ 2.3	+15 46.5	...	+15 48.8
32	+ 1.3	.. ....	0.0	+ 1.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	June 20, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris	9	26 20.33	−11.50	−5.96	310 3 53.62	44.505	− 1.55	−1 5.6	1 26 2.87	.....	+88 48 56.6	....
	June 21, L.												
2	Sun I, S.	9	57 24.43	− 0.25	−5.97	15 39 55.12	45.295	− 1.45	+ 15.3	5 57 18.22	+68.92	+23 11 16.2	....
3	Sun II, N.	9	59 42.29	− 0.25	−5.97	15 7 56.42	46.568	− 1.45	+ 14.7	5 59 36.07	−68.93	+23 42 46.3	....
4	Venus I, C.	9	2 11.93	− 0.25	−5.97	15 1 57.90	48.136	− 1.71	+ 14.6	7 2 5.71	+ 0.41	+23 48 9.4	....
5	Venus II	9	2 12.72	− 0.25	−5.97	... .	......	....	.....	7 2 6.50	− 0.38	.. ..	....
6	Moon I.	9	19 30.12	− 0.27	−5.99	18 50	......	....	.....	9 19 23.86	+66.74	.. ..	....
7	α Ursæ Minoris S. P.	6	25 55.65	+14.46	−6.05	307 41 53.22	44.645	− 2.42	−1 10.2	1 26 4.06	.....	+88 49 0.4	....
8	ζ Virginis	9	30 10.63	− 0.27	[−**6.09**]	38 57 58.12	47.102	− 2.42	+ 44.2	13 30	.....	− 0 7 56.0	....
9	τ Boötis	9	43 3.70	− 0.31	....	20 55 57.10	46.712	− 2.42	+ 20.9	13 42	.....	+17 54 37.2	....
10	η Boötis	9	50 28.60	− 0.32	[−**6.04**]	19 59 56.85	45.130	− 2.42	+ 19.9	13 50	.....	+18 51 14.6	....
11	11 Boötis	9	57 10.48	− 0.35	....	11 1 56.18	44.565	− 2.42	+ 10.7	13 57	.....	+27 49 37.4	....
12	d Boötis	9	6 22.57	− 0.34	[−**6.02**]	13 19 56.20	44.995	− 2.42	+ 13.0	14 6	.....	+25 31 25.2	....
13	α Boötis	9	11 38.19	− 0.32	−**6.03**	19 11 57.00	44.842	− 2.42	+ 19.1	14 11	.....	+19 39 21.8	....
14	109 Virginis	9	41 46.50	− 0.27	−**6.05**	36 33 58.60	46.132	− 2.42	+ 40.7	14 41	.....	+ 2 16 29.2	....
15	8 Libræ	9	45 46.80	− 0.25	−**6.10**	54 27 57.15	44.048	− 2.42	+1 16.6	14 45	.....	−15 37 17.6	....
16	57 B. Ursæ Minoris	9	6 52.94	− 7.19	−6.06	311 17 52.75	43.817	− 2.42	−1 2.2	15 6 39.69	.....	+87 35 10.8	....
	June 21, M.												
17	α Ursæ Minoris	9	26 26.00	−13.56	−6.15	310 3 47.65	44.660	− 1.51	−1 5.0	1 26 6.29	.....	+88 48 58.4	....
	June 22, M.												
18	Sun I, S.	9	1 34.34	− 0.33	−6.05	15 39 54.48	45.480	− 1.56	+ 15.2	6 1 27.96	+68.86	+23 11 12.8	....
19	Sun II, N.	8	3 52.05	− 0.33	−6.05	15 7 56.38	46.813	− 1.56	+ 14.7	6 3 45.67	−68.85	+23 42 40.9	....
20	Venus I, C.	9	7 32.37	− 0.33	−6.06	15 9 50.35	44.366	− 2.17	+ 14.7	7 7 25.98	+ 0.38	+23 41 43.5	....
21	Venus II	9	7 33.11	− 0.33	−6.06	... .	......	....	.....	7 7 26.72	− 0.36	.. ..	....
	June 23, L.												
22	Sun I, N.	9	5 44.18	− 0.29	−6.35	15 7 51.60	48.067	− 0.42	+ 14.6	6 5 37.54	+68.86	+23 42 16.1	....
23	Sun II, S.	9	8 1.91	− 0.29	−6.35	15 39 48.95	46.903	− 0.42	+ 15.2	6 7 55.27	−68.87	+23 10 44.6	....
24	Venus I, C.	7	12 52.30	− 0.29	−6.36	15 15 51.88	47.228	− 1.09	+ 14.7	7 12 45.65	+ 0.44	+23 34 35.4	....
25	Venus II	7	12 53.14	− 0.29	−6.36	... .	......	....	.....	7 12 46.49	− 0.40	.. ..	....
26	α Ursæ Minoris S. P.	6	25 56.48	+17.37	−6.36	307 41 47.32	44.877	− 1.96	−1 9.6	1 26 7.49	.....	+88 49 0.8	....
27	ζ Virginis	9	30 10.91	− 0.30	[−**6.35**]	38 57 51.85	47.362	− 1.96	+ 43.8	13 30 4.25	.....	− 0 7 55.7	....
28	τ Boötis	9	43 4.07	− 0.35	−6.36	20 55 51.80	46.915	− 1.96	+ 20.8	13 42 57.36	.....	+17 54 37.5	....
29	η Boötis	9	50 28.93	− 0.35	[−**6.35**]	19 59 51.38	45.375	− 1.96	+ 19.8	13 50 22.22	.....	+18 51 14.1	....
30	11 Boötis	9	57 10.89	− 0.40	−6.36	11 1 51.05	44.782	− 1.96	+ 10.6	13 57 4.13	.....	+27 49 37.2	....
31	d Boötis	9	6 22.89	− 0.38	[−**6.32**]	13 19 51.18	45.222	− 1.96	+ 12.9	14 6 16.15	.....	+25 31 24.7	....
32	α Boötis	9	11 38.55	− 0.36	−**6.36**	19 11 51.55	45.078	− 1.96	+ 18.9	14 11 31.82	.....	+19 39 21.6	....
33	f Boötis	9	22 21.34	− 0.36	−**6.33**	19 11 51.68	48.230	− 1.96	+ 19.0	14 22 14.61	.....	+19 38 9.4	....
34	ρ Boötis	9	28 2.65	− 0.41	−6.37	8 3 50.35	48.405	− 1.96	+ 7.8	14 27 55.87	.....	+30 46 17.9	....
35	109 Virginis	9	41 46.84	− 0.30	−**6.37**	36 33 52.52	46.370	− 1.96	+ 40.4	14 41 40.17	.....	+ 2 16 29.7	....
36	8 Libræ	9	45 47.12	− 0.27	−**6.41**	54 27 51.42	44.290	− 1.96	+1 16.1	14 45 40.48	.....	−15 37 17.4	....
37	57 B. Ursæ Minoris	9	6 53.44	− 8.61	−6.37	311 17 46.42	44.025	− 1.96	−1 1.7	15 6 38.46	.....	+87 35 11.4	....
38	π Sagittarii	6	4 29.85	− 0.21	−6.40	59 59 52.78	45.568	− 1.64	+1 35.0	19 4 23.24	.....	−21 10 7.1	....
39	ψ Sagittarii	9	10 6.51	− 0.21	−6.41	64 13 53.35	46.594	− 1.58	+1 53.5	19 9 59.89	.....	−25 24 49.6	....
40	Uranus C, C.	9	26 6.47	− 0.21	−6.41	61 15 51.65	48.528	− 1.39	+1 40.1	19 25 59.85	.....	−22 27 18.9	....
41	54 Sagittarii	9	35 39.34	− 0.21	−6.41	55 19 50.95	46.305	− 1.29	+1 19.4	19 35 32.72	.....	−16 30 6.9	....
42	f Sagittarii	9	41 11.91	− 0.21	−6.41	58 47 50.65	47.580	− 1.22	+1 30.6	19 41 5.29	− 1.87	−19 58 47.0	− 2.7

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 1 27	30.034	74.0	74.6
21 6 0	30.038	85.4	86.0
7 2	30.026	86.7	87.1
13 27	29.956	82.1	81.3
13 46	......	....	80.8
14 8	......	....	79.8
14 48	29.948	79.1	78.8
15 7	29.948	79.1	78.3
1 26	29.922	76.7	77.2
22 6 4	29.910	86.1	85.6
7 8	29.890	86.2	85.8
23 6 8	29.818	84.7	85.1
7 14	29.798	86.4	86.7
13 26	29.732	83.7	82.0
13 44	......	....	81.1
14 15	......	....	80.0
14 46	29.730	80.0	79.0
15 12	29.730	79.8	78.3
19 0	29.702	75.1	73.4
19 29	......	....	73.1
19 44	29.700	74.9	73.1

Micrometer bisections are made at II, VI, except as noted below.

1, 7, 16, 17, 26, 37.	Bisections at b_4, b_5, b_6.
2, 18, 22.	Bisections at I, II, III.
3, 19, 23.	Bisections at V, VI, VII.
4, 20, 38–41.	Bisections at I, II, VI, VII.
24.	Bisections at I, II, VII.
42.	Bisections at I, VI, VII.

Notes.

1, 17.	Very unsteady.
37.	Faint; clouds.
38, 39.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	″	′ ″	″	′ ″
2	+ 2.3	+15 45.0	...	+15 47.3
3	+ 2.2	−15 45.0	...	−15 42.8
4	+ 1.4	.. ....	0.0	+ 1.4
18	+ 2.3	+15 44.0	...	+15 46.3
19	+ 2.2	−15 44.0	...	−15 41.8
20	+ 1.4	.. ....	0.0	+ 1.4
22	+ 2.2	−15 45.7	...	−15 43.5
23	+ 2.3	+15 45.7	...	+15 48.0
24	+ 1.4	.. ....	0.0	+ 1.4
40	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent Decl.	Misc. Corr.	Apparent R. A.	Misc. Corr.
	June 24, M.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	9 53.73	− 0.29	−6.43	15 9 50.18	45.292	− 0.63	+ 14.6	6 9 47.01	+68.87	+23 41 21.1	....
2	Sun II, S	9	12 11.48	− 0.29	−6.43	15 41 50.00	43.908	− 0.63	+ 15.2	6 12 4.76	−68.88	+23 9 52.2	....
3	Moon I, N	9	43 59.49	− 0.31	−6.51	31 45 47.25	43.726	− 0.99	+ 33.2	11 43 52.67	+61.60	+ 7 5 41.6	....
4	α Ursæ Minoris s. p.	9	25 57.22	+15.67	−6.52	307 41 43.42	44.920	− 1.16	−1 9.5	1 26 6.37	.....	+88 48 58.8	....
5	η Boötis	9	50 29.10	− 0.34	**[−6.54]**	19 59 47.95	45.520	− 1.16	+ 19.7	13 50 22.23	.....	+18 51 13.5	....
6	τ Virginis	9	57 8.77	− 0.29	**[−6.52]**	36 51 46.60	45.265	− 1.16	+ 40.6	13 57 1.95	.....	+ 1 58 59.9	....
7	d Boötis	9	6 23.01	− 0.36	**[−6.47]**	13 19 46.72	45.420	− 1.16	+ 12.9	14 6 16.12	.....	+25 31 23.8	....
8	α Boötis	9	11 38.69	− 0.34	**−6.53**	19 11 46.12	45.312	− 1.16	+ 18.9	14 11 31.82	.....	+19 39 20.9	....
9	f Boötis	9	22 21.49	− 0.34	**−6.50**	19 11 46.28	48.455	− 1.16	+ 19.0	14 22 14.62	.....	+19 38 8.8	....
10	ρ Boötis	9	28 2.74	− 0.39	−6.53	8 3 46.10	48.605	− 1.16	+ 7.8	14 27 55.82	.....	+30 46 16.7	....
11	μ Virginis	9	38 23.90	− 0.28	**−6.51**	44 5 48.48	47.020	− 1.16	+ 52.6	14 38 17.09	.....	− 5 15 54.1	....
12	109 Virginis	9	41 46.93	− 0.29	**−6.48**	36 33 46.85	46.630	− 1.16	+ 40.3	14 41 40.11	.....	+ 2 16 28.7	....
13	8 Libræ	9	45 47.24	− 0.27	**−6.53**	54 27 45.92	44.545	− 1.16	+1 16.0	14 45 40.44	.....	−15 37 18.4	....
14	57 B. Ursæ Minoris	9	6 53.06	− 7.78	−6.54	311 17 43.00	44.108	− 1.16	−1 1.7	15 6 38.74	.....	+87 35 12.1	....
15	π Sagittarii	9	4 29.98	− 0.22	−6.57	59 59 48.70	45.752	− 1.14	+1 34.8	19 4 23.19	.....	−21 10 7.5	....
16	ψ Sagittarii	9	10 6.62	− 0.22	−6.57	64 13 45.98	46.940	− 1.14	+1 53.2	19 9 59.83	.....	−25 24 50.3	....
17	d Sagittarii	9	12 27.51	− 0.22	**−6.67**	57 55 46.92	48.300	− 1.14	+1 27.4	19 12 20.72	.....	−19 6 56.6	....
18	Uranus C, C	9	25 56.87	− 0.22	−6.57	61 17 48.02	44.405	− 1.14	+1 40.0	19 25 50.08	.....	−22 27 41.2	....
19	h Sagittarii	9	31 19.11	− 0.22	−6.57	63 53 45.65	47.648	− 1.14	+1 51.7	19 31 12.32	.....	−25 5 4.7	....
20	54 Sagittarii	9	35 39.41	− 0.22	−6.57	55 19 45.82	46.565	− 1.14	+1 19.3	19 35 32.62	.....	−16 30 7.8	....
	June 24, L.												
21	α Ursæ Minoris	8	26 30.10	−16.10	−6.73	310 3 47.40	44.693	− 0.46	−1 4.3	1 26 7.27	.....	+88 48 56.2	....
	June 25, L.												
22	Sun I, S	9	14 3.42	− 0.33	−6.79	15 41 48.50	47.353	− 0.01	+ 15.1	6 13 56.30	+68.89	+23 8 34.6	....
23	Sun II, N	9	16 21.20	− 0.33	−6.79	15 9 48.62	48.672	− 0.01	+ 14.6	6 16 14.08	−68.89	+23 40 4.7	....
24	Venus I, C	8	23 29.85	− 0.33	−6.80	15 31 51.45	48.155	− 0.43	+ 14.9	7 23 22.72	+ 0.44	+23 18 13.8	....
25	Venus II	9	23 30.69	− 0.33	−6.80	... .	......	....	. ....	7 23 23.56	− 0.40	.. ..	....
26	α Ursæ Minoris s. p.	9	25 57.39	+15.26	−6.86	307 41 46.02	44.880	− 1.16	−1 9.6	1 26 5.79	.....	+88 49 0.4	....
27	η Boötis	9	50 29.32	− 0.30	**[−6.81]**	19 59 50.65	45.322	− 1.16	+ 19.8	13 50	.....	+18 51 15.3	....
28	11 Boötis	9	57 11.21	− 0.33	....	11 1 50.50	44.735	− 1.16	+ 10.6	13 57	.....	+27 49 38.0	....
29	d Boötis	9	6 23.27	− 0.32	**[−6.77]**	13 19 50.70	45.175	− 1.16	+ 12.9	14 6	.....	+25 31 25.4	....
30	α Boötis	9	11 38.94	− 0.30	**[−6.83]**	19 11 50.92	45.040	− 1.16	+ 19.0	14 11	.....	+19 39 22.2	....
31	f Boötis	9	22 21.78	− 0.30	**[−6.84]**	19 11 50.60	48.212	− 1.16	+ 19.0	14 22	.....	+19 38 10.1	....
32	ρ Boötis	9	28 2.96	− 0.34	....	8 3 49.82	48.315	− 1.16	+ 7.8	14 27	.....	+30 46 19.6	....
33	8 Libræ	9	45 47.53	− 0.23	**−6.87**	54 27 50.22	44.292	− 1.16	+1 16.1	14 45	.....	−15 37 17.0	....
	June 25, M.												
34	α Ursæ Minoris	7	26 29.24	−12.83	−6.96	310 3 43.55	44.790	− 0.43	−1 4.6	1 26 9.45	.....	+88 48 58.1	....
	June 26, M.												
35	Sun I, S	9	18 12.77	− 0.35	−6.89	15 43 47.90	46.613	− 0.85	+ 15.2	6 18 5.53	+68.87	+23 6 52.8	....
36	Sun II, N	9	20 30.52	− 0.35	−6.89	15 11 49.22	47.892	− 0.85	+ 14.7	6 20 23.28	−68.88	+23 38 22.7	....
37	Venus I, C	9	28 47.53	− 0.35	−6.90	15 41 46.38	46.292	− 0.84	+ 15.1	7 28 40.28	+ 0.36	+23 9 1.7	....
38	Venus II	9	28 48.22	− 0.35	−6.90	... .	......	....	. ....	7 28 40.97	− 0.33	.. ..	....
39	Moon I, N	9	12 39.41	− 0.26	−6.94	42 9 44.42	43.903	− 1.16	+ 48.8	13 12 32.21	+61.35	− 3 18 35.0	....
40	ζ Virginis	9	30 11.47	− 0.27	**[−6.97]**	38 57 47.32	47.578	− 1.16	+ 43.7	13 30	.....	− 0 7 56.8	....
41	η Boötis	9	50 29.44	− 0.32	**[−6.92]**	19 59 46.22	45.608	− 1.16	+ 19.7	13 50	.....	+18 51 13.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 6 12	29.750	85.0	84.3
11 44	29.706	86.3	86.7
13 26	29.708	82.8	82.2
13 50	29.710	81.7	81.1
14 14	......	....	80.1
14 48	......	....	79.5
15 7	29.724	78.7	78.8
19 2	29.734	76.2	75.1
19 21	......	....	74.7
23 40	29.730	75.3	74.2
1 27	29.756	79.8	79.7
25 6 16	29.775	88.2	88.2
7 23	29.750	89.8	89.9
13 26	29.726	83.1	81.7
13 56	......	....	80.1
14 15	......	....	79.8
14 23	......	....	79.3
14 46	29.754	80.3	79.3
1 26	29.840	79.5	78.9
26 6 21	29.878	87.9	87.6
7 29	29.868	89.8	89.2
13 13	29.840	85.8	85.2
13 50	......	....	84.1

Micrometer bisections are made at II, VI, except as noted below.

1, 22, 35.	Bisections at I, II, III.
2, 23, 36.	Bisections at V, VI, VII.
3, 39.	Bisections at II, III, IV, V, VI.
4, 14, 21, 26, 34.	Bisections at b_4, b_5, b_6.
11.	Bisections at I, II.
18, 24, 37.	Bisections at I, II, VI, VII.

Note.
40, 41. Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.2	−15 44.4	...	−15 42.2
2	+ 2.3	+15 44.4	...	+15 46.7
3	+28 25.5	−14 48.8	...	+13 36.7
18	+ 0.4	.. ....	...	+ 0.4
22	+ 2.3	+15 45.0	...	+15 47.3
23	+ 2.2	−15 45.0	...	−15 42.8
24	+ 1.4	.. ....	0.0	+ 1.4
35	+ 2.3	+15 44.9	...	+15 47.2
36	+ 2.2	−15 44.9	...	−15 42.7
37	+ 1.4	.. ....	0.0	+ 1.4
39	+36 24.1	−14 51.5	...	+21 32.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Boötis	9	11 39.01	− 0.32	**[−6.89]**	19 11 46.65	45.273	− 1.16	+ 18.9	14 11	.....	+19 39 21.2	....
2	2 Libræ	9	18 40.13	− 0.24	....	50 7 47.92	46.962	− 1.16	+1 4.8	14 18	.....	−11 18 4.4	+ 6.5
3	*f* Boötis	9	22 21.91	− 0.32	**[−6.96]**	19 11 45.90	48.470	− 1.16	+ 18.9	14 22	.....	+19 38 9.0	....
4	ρ Boötis	9	28 3.13	− 0.38	....	8 3 44.75	48.660	− 1.16	+ 7.8	14 27	.....	+30 46 16.8	....
5	μ Virginis	9	38 24.23	− 0.26	**[−6.87]**	44 5 47.90	47.070	− 1.16	+ 52.6	14 38	.....	− 5 15 54.7	....
6	321 B. Boötis	9	52 4.07	− 0.31	....	24 1 47.95	46.418	− 1.16	+ 24.3	14 51	.....	+14 48 48.4	....
	June 28, L.												
7	Sun N	.	.. ..	.....	....	15 15 48.30	49.568	− 0.93	+ 14.8	6 27	.....	+23 33 45.3	....
8	Sun S	.	.. ..	.....	....	15 47 47.92	48.212	− 0.93	+ 15.4	.. ..	.....	+23 2 16.1	....
9	λ Virginis	9	14 19.90	− 0.23	**[−7.51]**	51 47 47.90	44.690	− 1.23	+1 9.4	14 14	.....	−12 57 17.0	....
10	2 Libræ	9	18 40.59	− 0.23	....	50 7 48.30	46.852	− 1.23	+1 5.5	14 18	.....	−11 18 2.9	+ 6.4
11	μ Virginis	5	38 24.72	− 0.24	**[−7.39]**	44 5 49.62	46.890	− 1.23	+ 53.0	14 38	.....	− 5 15 52.6	....
12	Moon I, N	9	44 56.37	− 0.23	−7.47	52 17 46.92	44.918	− 1.23	+1 10.7	14 44 48.67	+64.03	−13 27 22.5	....
13	ξ^2 Libræ	9	51 58.81	− 0.24	**−7.52**	49 53 47.85	43.309	− 1.23	+1 4.9	14 51	.....	−11 2 40.9	....
14	β Libræ	9	12 15.58	− 0.24	**−7.38**	47 53 47.25	44.221	− 1.23	+1 0.5	15 12	.....	− 9 2 56.7	....
	June 29, M.												
15	Sun I, N	9	30 40.25	− 0.32	−7.50	15 19 56.52	46.517	− 1.05	+ 14.8	6 30 32.43	+68.79	+23 30 46.9	....
16	Sun II, S	9	32 57.84	− 0.32	−7.50	15 51 57.95	45.038	− 1.05	+ 15.4	6 32 50.02	−68.80	+22 59 18.7	....
17	Venus I, C	9	44 35.46	− 0.32	−7.51	16 13 51.32	45.092	− 1.06	+ 15.7	7 44 27.63	+ 0.32	+22 37 23.8	....
18	Venus II	9	44 36.08	− 0.32	−7.51	... .	......	....	. ....	7 44 28.25	− 0.30	.. ..	....
19	α Ursæ Minoris S. P.	5	26 2.06	+16.04	−7.59	307 41 49.15	44.687	− 1.29	−1 9.6	1 26 10.51	.....	+88 48 59.0	....
20	*f* Boötis	9	22 22.52	− 0.33	**[−7.59]**	19 11 53.38	48.142	− 1.29	+ 19.0	14 22 14.59	.....	+19 38 9.0	....
21	ρ Boötis	9	28 3.81	− 0.38	−7.60	8 3 53.48	48.260	− 1.29	+ 7.8	14 27 55.83	.....	+30 46 17.4	....
22	ε Boötis	9	41 10.09	− 0.36	**[−7.60]**	11 23 51.65	45.010	− 1.29	+ 11.0	14 41 2.13	.....	+27 27 30.3	....
23	β Libræ	9	12 15.77	− 0.24	**−7.57**	47 53 52.72	44.120	− 1.29	+1 0.2	15 12 7.92	.....	− 9 2 59.5	....
24	β Coronæ Borealis	9	24 14.14	− 0.35	**−7.59**	9 25 51.82	45.940	− 1.29	+ 9.1	15 24 6.18	.....	+29 25 10.8	....
25	γ Libræ	9	30 35.41	− 0.23	**−7.57**	53 19 53.72	44.355	− 1.29	+1 13.1	15 30 27.57	.....	−14 29 18.8	....
26	Moon I, N	9	35 4.69	− 0.24	−7.61	56 47 54.05	43.427	− 1.29	+1 23.1	15 34 56.84	+66.29	−17 57 7.9	....
27	μ Serpentis	9	45 1.61	− 0.24	**−7.61**	41 59 51.82	45.180	− 1.29	+ 49.1	15 44 53.76	.....	− 3 9 11.8	....
28	γ Serpentis	9	52 24.47	− 0.28	**−7.61**	22 53 52.55	44.540	− 1.29	+ 23.1	15 52 16.58	.....	+15 57 28.1	....
29	β^1 Scorpii	9	0 18.18	− 0.22	**−7.64**	58 23 52.58	44.382	− 1.29	+1 28.5	16 0 10.35	.....	−19 33 33.7	....
30	ν Scorpii (*mean*)	9	6 51.89	− 0.22	**−7.68**	58 3 52.88	44.580	− 1.29	+1 27.5	16 6 44.06	.....	−19 13 37.5	....
	June 29, L.												
31	α Ursæ Minoris	6	26 34.83	−12.87	−7.80	310 3 56.98	44.358	− 1.36	−1 5.8	1 26 14.16	.....	+88 48 56.6	....
	June 30, L.												
32	Sun I, S	9	34 49.13	− 0.30	−7.86	15 53 59.08	48.552	− 1.04	+ 15.5	6 34 40.97	+68.85	+22 55 57.2	....
33	Sun II, N	9	37 6.83	− 0.30	−7.86	15 21 59.08	49.758	− 1.04	+ 15.0	6 36 58.67	−68.85	+23 27 30.1	....
34	Venus I, C	9	49 49.50	− 0.30	−7.87	16 26 1.15	44.299	− 1.78	+ 16.0	7 49 41.33	+ 0.46	+22 25 32.5	....
35	Venus II	9	49 50.38	− 0.30	−7.87	... .	......	....	. ....	7 49 42.21	− 0.42	.. ..	....
36	α Ursæ Minoris S. P.	7	26 6.19	+13.21	−7.93	307 41 54.45	44.540	− 2.09	−1 9.8	1 26 11.47	.....	+88 48 59.9	....
37	α Boötis	9	11 39.96	− 0.29	**[−7.91]**	19 11 59.72	44.670	− 2.09	+ 19.0	14 11 31.74	.....	+19 39 22.8	....
38	*f* Boötis	9	22 22.78	− 0.29	**[−7.90]**	19 11 59.30	47.828	− 2.09	+ 19.0	14 22 14.56	.....	+19 38 11.1	....
39	ρ Boötis	9	28 4.02	− 0.33	−7.94	8 3 58.60	47.988	− 2.09	+ 7.8	14 27 55.75	.....	+30 46 19.3	....
40	ε Boötis	9	41 10.27	− 0.32	**−7.83**	11 23 58.32	44.695	− 2.09	+ 11.0	14 41 2.01	.....	+27 27 31.6	....
41	8 Libræ	9	45 48.57	− 0.23	**[−7.94]**	54 27 59.75	43.922	− 2.09	+1 16.3	14 45 40.40	.....	−15 37 17.3	....
42	321 B. Boötis	9	52 4.96	− 0.28	−7.94	24 1 58.78	45.902	− 2.09	+ 24.4	14 51 56.74	.....	+14 48 50.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 14 22	......	....	83.2
14 32	29.852	83.7	....
14 52	29.850	82.7	81.2
28 6 29	29.840	84.7	84.2
14 15	29.786	78.9	77.2
14 37	......	....	77.0
14 52	......	....	76.9
15 30	29.788	78.0	76.3
29 6 33	29.804	85.7	85.0
7 45	29.788	87.2	86.8
13 26	29.800	83.8	83.0
14 10	29.800	82.8	81.8
14 47	......	....	80.8
15 16	29.840	81.6	80.8
15 41	......	....	80.0
16 7	29.834	80.6	78.8
1 27	29.854	71.3	69.8
30 6 37	29.866	82.5	82.5
7 50	29.854	84.7	84.3
13 27	29.784	83.0	81.7
14 23	......	....	79.0
14 46	......	....	78.1

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, VI, VII.
7, 15, 32.	Bisections at I, II, III.
8, 16, 33.	Bisections at V, VI, VII.
9–11, 13, 14, 17, 34, 41.	Bisections at I, II, VI, VII.
12, 26.	Bisections at II, III, IV, V, VI.
19, 31, 36.	Bisections at b_4, b_5, b_6.
21.	Bisections at I, II, VI.
28.	Bisections at I, II.

Notes.

1, 4, 5, 9–14, 21.	Clouds.
6, 19.	Haze.
7.	Micrometer reading increased 1 rev.
14.	Very faint.
23, 31.	Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 2.3	−15 44.6	...	−15 42.3
8	+ 2.3	+15 44.6	...	+15 46.9
12	+43 36.9	−15 5.4	...	+28 31.5
15	+ 2.3	−15 44.1	...	−15 41.8
16	+ 2.3	+15 44.1	...	+15 46.4
17	+ 1.5	.. ....	0.0	+ 1.5
26	+46 39.3	−15 15.6	...	+31 23.7
32	+ 2.4	+15 46.4	...	+15 48.8
33	+ 2.3	−15 46.4	...	−15 44.1
34	+ 1.5	.. ....	0.0	+ 1.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ψ Boötis	9	0 42.42	– 0.31	**–7.90**	11 31 58.05	48.170	– 2.09	+ 11.2	15 0 34.17	.....	+27 18 12.3	....
2	57 B. Ursæ Minoris	9	6 51.06	– 6.56	–7.94	311 17 53.62	43.673	– 2.09	–1 1.9	15 6 36.56	.....	+87 35 12.6	....
3	γ Libræ	9	30 35.74	– 0.23	**–7.90**	53 19 58.62	44.105	– 2.09	+1 13.4	15 30 27.57	.....	–14 29 17.5	....
4	α Serpentis	9	39 56.81	– 0.26	**–7.92**	32 7 58.28	45.908	– 2.09	+ 34.4	15 39 48.60	.....	+ 6 42 40.6	....
5	μ Serpentis	9	45 1.95	– 0.24	**–7.95**	41 59 57.68	44.898	– 2.09	+ 49.3	15 44 53.76	.....	– 3 9 10.6	....
6	ε Serpentis	9	46 26.52	– 0.26	**–7.96**	34 5 59.20	44.802	– 2.09	+ 37.1	15 46 18.31	.....	+ 4 45 2.2	....
7	β¹ Scorpii	9	0 18.54	– 0.23	**–7.99**	58 23 58.30	44.082	– 2.09	+1 28.7	16 0 10.36	.....	–19 33 31.9	....
8	ν Scorpii (*mean*)	9	6 52.20	– 0.23	**–7.98**	58 3 58.15	44.301	– 2.09	+1 27.6	16 6 44.02	.....	–19 13 35.7	....
9	σ Scorpii	9	15 49.32	– 0.23	–7.95	64 11 58.82	45.870	– 2.09	+1 52.9	16 15 41.14	.....	–25 22 37.4	....
10	α Scorpii	9	23 59.63	– 0.23	–7.95	65 3 58.48	43.932	– 2.09	+1 57.3	16 23 51.45	.....	–26 13 57.2	....
11	Moon I, N	9	29 0.58	– 0.24	–7.95	60 31 58.42	46.225	– 2.09	+1 36.7	16 28 52.39	+68.85	–21 42 29.0	....
12	24 Scorpii	9	36 28.52	– 0.23	–7.95	56 23 58.15	45.826	– 2.09	+1 22.3	16 36 20.34	– 1.84	–17 34 5.2	+ 4.8
13	η Ophiuchi	9	5 19.59	– 0.23	**–7.98**	54 25 58.10	48.021	– 2.09	+1 16.7	17 5 11.40	.....	–15 36 49.7	....
	June 30, M.												
14	α Ursæ Minoris	9	26 35.56	–11.66	–7.93	310 3 47.28	44.690	– 1.09	–1 4.8	1 26 15.97	.....	+88 48 57.5	....
	July 1, M.												
15	Sun I	9	38 57.59	– 0.32	–7.98	15 42	......	....	. ....	6 38 49.29	+68.73	.. ..	....
16	Sun II	9	41 15.06	– 0.32	–7.98	... .	......	....	. ....	6 41 6.76	–68.74	.. ..	....
17	α Ursæ Minoris S. P.	9	26 6.56	+15.73	–8.01	307 41 52.45	44.565	– 1.98	–1 9.0	1 26 14.28	.....	+88 48 59.4	....
18	α Boötis	9	11 40.08	– 0.32	[**–8.01**]	19 11 53.20	45.030	– 1.98	+ 18.7	14 11	.....	+19 39 21.3	....
19	f Boötis	9	22 22.88	– 0.32	[**–7.98**]	19 11 55.90	48.060	– 1.98	+ 18.8	14 22	.....	+19 38 9.3	....
20	ρ Boötis	9	28 4.19	– 0.36	....	8 3 53.75	48.278	– 1.98	+ 7.7	14 27	.....	+30 46 17.5	....
21	ε Boötis	9	41 10.49	– 0.35	[**–8.03**]	11 23 51.78	45.025	– 1.98	+ 10.9	14 41	.....	+27 27 30.6	....
22	8 Libræ	9	45 48.69	– 0.24	[**–8.05**]	54 27 54.85	44.235	– 1.98	+1 15.2	14 45	.....	–15 37 18.6	....
23	321 B. Boötis	9	52 5.19	– 0.30	....	24 1 54.40	46.165	– 1.98	+ 24.0	14 51	.....	+14 48 48.9	....
24	ψ Boötis	9	0 42.57	– 0.35	**–8.02**	11 31 51.30	48.545	– 1.98	+ 11.1	15 0	.....	+27 18 10.4	....
25	57 B. Ursæ Minoris	9	6 51.72	– 7.80	–8.02	311 17 48.70	43.813	– 1.98	–1 1.1	15 6 35.90	.....	+87 35 13.4	....
26	Moon I, N	9	27 0.39	– 0.25	–8.08	63 13 53.08	44.343	– 2.05	+1 46.9	17 26 52.06	+71.26	–24 23 52.4	....
27	Moon S	.	.. ..	.....	....	63 43 57.20	48.127	– 2.05	+1 49.4	.. ..	.....	–24 55 22.5	....
28	γ Sagittarii	9	0 8.27	– 0.26	....	69 13 52.65	47.475	– 2.31	+2 22.2	17 59	.....	–30 25 37.0	....
29	μ Sagittarii	9	8 29.73	– 0.26	....	59 55 53.10	42.845	– 2.26	+1 33.4	18 8	.....	–21 5 3.0	....
30	δ Sagittarii	9	15 20.72	– 0.25	....	68 41 53.48	43.605	– 2.21	+2 18.2	18 15	.....	–29 52 5.5	....
31	λ Sagittarii	9	22 31.79	– 0.25	....	64 17 53.22	45.550	– 2.17	+1 52.3	18 22	.....	–25 28 23.9	....
32	φ Sagittarii	9	40 8.92	– 0.24	....	65 53 55.02	46.972	– 2.06	+2 0.9	18 40	.....	–27 5 6.8	....
33	ξ Sagittarii	9	52 28.52	– 0.24	....	60 3 52.88	44.310	– 1.99	+1 34.1	18 52	.....	–21 13 37.2	+ 9.5
34	Uranus C, C	9	24 48.91	– 0.23	–8.10	61 19 54.52	45.331	– 1.87	+1 39.1	19 24 40.58	.....	–22 30 7.2	....
	July 1, P.												
35	α Ursæ Minoris	9	26 35.22	–13.73	–8.22	310 3 53.28	44.478	– 1.38	–1 5.0	1 26 13.27	.....	+88 48 56.8	....
36	Mercury II, C	9	19 45.73	– 0.31	–8.23	19 37 55.30	47.930	– 0.66	+ 19.3	5 19 37.19	– 0.32	+19 12 11.0	....
	July 2, P.												
37	Sun I, S	9	43 6.02	– 0.32	–8.25	16 3 56.90	43.138	– 0.99	+ 15.5	6 42 57.45	+68.75	+22 48 3.0	....
38	Sun II, N	9	45 23.51	– 0.32	–8.25	15 31 56.55	44.520	– 0.99	+ 15.0	6 45 14.94	–68.74	+23 19 32.3	....
39	α Ursæ Minoris S. P.	9	26 10.06	+12.42	–8.33	307 41 52.00	44.613	– 1.48	–1 9.5	1 26 14.15	.....	+88 49 0.1	....
40	α Boötis	9	11 40.41	– 0.30	[**–8.37**]	19 11 54.58	44.890	– 1.48	+ 18.9	14 11 31.77	.....	+19 39 22.4	....
41	f Boötis	9	22 23.24	– 0.30	[**–8.37**]	19 11 53.80	48.050	– 1.48	+ 18.9	14 22 14.60	.....	+19 38 11.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 15 12	29.775	78.8	77.9
15 42	......	....	72.0
16 3	29.777	78.0	76.9
16 20	......	....	76.3
16 39	......	....	76.3
17 6	29.774	77.0	75.6
1 26	29.702	75.5	75.0
1 13 26	29.594	85.5	84.4
14 12	29.582	83.7	83.1
14 28	......	....	82.7
14 49	......	....	82.1
15 7	29.586	82.2	81.4
17 29	29.590	80.1	79.2
18 0	29.590	79.2	78.3
18 20	......	....	78.1
18 52	......	....	77.2
19 25	29.568	77.8	77.0
1 22	29.618	74.0	72.0
5 21	29.640	82.0	80.8
2 6 45	29.632	83.4	83.1
13 20	29.593	81.3	80.8
14 10	......	....	78.6

Micrometer bisections are made at II, VI, except as noted below.

2, 14, 17, 25, 35, 39.	Bisections at b_4, b_5, b_6.
5, 24.	Bisections at I, II.
7–10, 12, 13, 28, 32, 34, 36.	Bisections at I, II, VI, VII.
11.	Bisections at II, III, IV, V, VI.
26, 37.	Bisections at I, II, III.
22.	Bisections at VI, VII.
27, 38.	Bisections at V, VI, VII.

Notes.

10. Faint.
17. Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+49 10.3	–15 27.1	...	+33 43.2
26	+51 4.5	–15 37.9	...	+35 26.6
27	+51 18.8	+15 37.9	0.0	+66 56.7
34	+ 0.4	.. ....	...	+ 0.4
36	+ 4.0	.. ....	– 0.7	+ 3.3
37	+ 2.4	+15 44.6	...	+15 47.0
38	+ 2.3	–15 44.6	...	–15 42.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ρ Boötis	9	28 4.48	− 0.33	−8.34	8 3 53.68	48.175	− 1.48	+ 7.8	14 27 55.81	.....	+30 46 19.3	....
2	ε Boötis	9	41 10.77	− 0.32	**[−8.35]**	11 23 53.88	44.855	− 1.48	+ 11.0	14 41 2.11	.....	+27 27 31.8	....
3	8 Libræ	9	45 48.99	− 0.25	**[−8.35]**	54 27 57.68	44.032	− 1.48	+1 15.9	14 45 40.40	.....	−15 37 18.0	....
4	321 B. Boötis	8	52 5.47	− 0.28	−8.34	24 1 55.50	46.025	− 1.48	+ 24.3	14 51 56.85	.....	+14 48 50.2	....
5	ψ Boötis	9	0 42.87	− 0.32	**−8.36**	11 31 54.48	48.338	− 1.48	+ 11.2	15 0 34.21	.....	+27 18 11.4	....
6	ι Libræ	8	7 11.97	− 0.25	**−8.36**	58 15 55.42	48.165	− 1.48	+1 27.9	15 7 3.38	.....	−19 27 2.2	....
7	δ Boötis	9	12 0.20	− 0.34	−8.35	5 11 53.75	45.650	− 1.48	+ 5.0	15 11 51.51	.....	+33 39 19.7	....
8	β Coronæ Borealis	9	24 14.77	− 0.33	**−8.26**	9 25 56.15	45.672	− 1.48	+ 9.1	15 24 6.09	.....	+29 25 12.6	....
9	γ Libræ	9	30 36.19	− 0.25	**−8.34**	53 19 54.88	44.320	− 1.48	+1 13.0	15 30 27.59	.....	−14 29 18.9	....
10	α Serpentis	9	39 57.29	− 0.27	**−8.40**	32 7 55.22	46.058	− 1.48	+ 34.2	15 39 48.67	.....	+ 6 42 39.8	....
11	μ Serpentis	9	45 2.37	− 0.26	**−8.36**	41 59 53.32	45.095	− 1.48	+ 49.0	15 44 53.76	.....	− 3 9 11.1	....
12	Groombridge 750 s. p.	9	7 36.39	+ 3.09	−8.35	304 11 51.38	44.482	− 1.48	−1 19.7	4 7 31.13	.....	+85 18 46.4	....
13	δ Ursæ Minoris	8	2 9.44	− 4.31	−8.37	312 15 52.38	44.490	− 1.36	− 59.8	18 1 56.76	.....	+86 36 52.3	....
14	δ Sagittarii	9	15 21.06	− 0.24	−8.37	68 41 51.10	43.615	− 1.36	+2 19.3	18 15 12.45	.....	−29 52 5.4	....
15	λ Sagittarii	9	22 32.14	− 0.23	−8.37	64 17 52.82	45.500	− 1.36	+1 53.2	18 22 23.54	.....	−25 28 24.1	....
16	Moon I, N	9	28 30.16	− 0.24	−8.37	64 31 54.50	42.772	− 1.36	+1 54.3	18 28 21.55	+73.00	−25 41 24.8	....
17	Moon S	.	.. ..	.....	....	65 3 57.25	42.327	− 1.36	+1 57.0	.. ..	.....	−26 13 19.4	....
18	φ Sagittarii	9	40 0.17	− 0.23	−8.38	65 55 51.15	41.825	− 1.36	+2 1.8	18 40 0.56	.....	−27 5 7.0	....
19	σ Sagittarii	9	49 48.33	− 0.22	−8.38	65 13 54.45	45.822	− 1.36	+1 58.1	18 49 39.73	.....	−26 24 37.9	....
20	ξ Sagittarii	9	52 28.86	− 0.22	−8.38	60 3 52.78	44.248	− 1.36	+1 34.7	18 52 20.26	− 3.00	−21 13 36.9	+ 9.7
21	ψ Sagittarii	9	10 8.52	− 0.22	−8.38	64 13 50.65	46.740	− 1.36	+1 52.9	19 9 59.92	.....	−25 24 49.9	....
22	Uranus C, C	9	24 39.08	− 0.22	−8.38	61 19 52.82	46.261	− 1.36	+1 39.8	19 24 30.48	.....	−22 30 28.0	....
	July 2, L.												
23	Mercury II, C	9	21 55.87	− 0.26	−8.51	19 27 59.20	44.575	− 0.73	+ 18.9	5 21 47.10	− 0.31	+19 23 24.2	....
	July 3, L.												
24	Sun I, N	9	47 13.96	− 0.27	−8.52	15 35 57.42	45.857	− 0.46	+ 15.0	6 47 5.17	+68.73	+23 15 0.3	....
25	Sun II, S	9	49 31.42	− 0.27	−8.52	16 7 56.58	44.623	− 0.46	+ 15.5	6 49 22.63	−68.73	+22 43 28.9	....
26	α Ursæ Minoris s. p.	6	26 12.33	+14.21	−8.55	307 41 51.62	44.650	− 0.78	−1 10.1	1 26 17.99	.....	+88 49 0.6	....
27	ρ Boötis	9	28 4.71	− 0.33	−8.56	8 3 54.85	48.065	− 0.53	+ 7.8	14 27 55.82	.....	+30 46 19.7	....
28	ε Boötis	9	41 10.94	− 0.31	**[−8.54]**	11 23 55.00	44.740	− 0.46	+ 11.1	14 41 2.07	.....	+27 27 32.2	....
29	α Libræ	9	46 0.70	− 0.24	**[−8.63]**	54 29 55.70	45.739	− 0.43	+1 16.9	14 45 51.89	.....	−15 39 57.1	....
30	321 B. Boötis	9	52 5.62	− 0.27	−8.57	24 1 55.82	45.928	− 0.40	+ 24.5	14 51 56.78	.....	+14 48 50.8	....
31	ψ Boötis	9	0 43.06	− 0.30	**−8.58**	11 31 55.68	48.182	− 0.35	+ 11.3	15 0 34.19	.....	+27 18 12.5	....
32	57 B. Ursæ Minoris	7	6 49.00	− 6.05	−8.57	311 18	......	....	. ....	15 6 34.38	.....	+87 35	....
33	ι Libræ	9	7 12.18	− 0.23	**−8.60**	58 15 55.25	48.010	− 0.32	+1 28.9	15 7 3.38	.....	−19 27 0.5	....
34	δ Boötis	9	12 0.39	− 0.31	−8.57	5 11 54.55	45.560	− 0.29	+ 5.1	15 11 51.51	.....	+33 39 19.7	....
35	32 Libræ	9	23 17.63	− 0.22	**−8.55**	55 13 55.72	45.962	− 0.23	+1 19.3	15 23 8.84	.....	−16 24 4.7	....
36	β Coronæ Borealis	7	24 14.94	− 0.29	**−8.48**	9 25 54.52	45.685	− 0.23	+ 9.2	15 24 6.08	.....	+29 25 12.6	....
37	γ Libræ	9	30 36.39	− 0.22	**−8.58**	53 19 54.30	44.161	− 0.19	+1 14.0	15 30 27.60	.....	−14 29 16.9	....
38	α Serpentis	9	39 57.43	− 0.23	**−8.59**	32 7 55.12	45.938	− 0.14	+ 34.7	15 39 48.63	.....	+ 6 42 40.8	....
39	μ Serpentis	9	45 2.57	− 0.22	**−8.60**	41 59 54.02	44.920	− 0.11	+ 49.7	15 44 53.78	.....	− 3 9 9.8	....
40	ε Serpentis	9	46 27.11	− 0.22	**−8.60**	34 5 56.02	44.820	− 0.11	+ 37.4	15 46 18.32	.....	+ 4 45 2.7	....
41	ξ Sagittarii	9	52 29.06	− 0.19	−8.60	60 3 55.52	43.929	− 0.12	+1 36.9	18 52 20.27	− 3.00	−21 13 35.8	+ 9.9
42	π Sagittarii	9	4 32.16	− 0.18	−8.61	59 59 55.78	45.221	− 0.12	+1 36.7	19 4 23.37	.....	−21 10 5.4	....
43	ψ Sagittarii	9	10 8.76	− 0.18	−8.61	64 13 54.35	46.359	− 0.12	+1 55.7	19 9 59.97	.....	−25 24 48.9	....
44	Uranus C, C	9	24 29.12	− 0.18	−8.61	61 19 55.30	46.904	− 0.12	+1 42.3	19 24 20.33	.....	−22 30 48.9	....
45	Moon S	.	.. ..	.....	....	64 41 54.32	46.073	− 0.12	+1 58.2	.. ..	.....	−25 52 43.9	....
46	Moon II, N	9	34 26.88	− 0.19	−8.61	64 9 53.72	45.602	− 0.12	+1 55.4	19 34 18.08	−73.59	−25 20 31.7	....
47	f Sagittarii	9	41 14.22	− 0.17	−8.61	58 47 55.12	47.258	− 0.12	+1 32.5	19 41 5.44	− 2.06	−19 58 47.1	− 3.1
48	c Sagittarii	9	57 14.98	− 0.17	−8.61	66 47 55.62	42.839	− 0.12	+2 10.3	19 57 6.20	.....	−27 57 44.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 14 33	29.580	78.8	78.0
14 50	......	....	77.0
15 27	29.574	77.2	76.0
15 50	......	....	76.0
16 11	29.563	76.9	75.5
17 57	29.540	75.0	74.0
18 32	......	....	73.0
18 55	29.526	74.2	73.0
19 27	29.512	74.0	72.3
5 22	29.460	84.0	84.6
3 6 50	29.466	84.1	83.7
13 27	29.526	76.4	75.0
14 28	......	....	71.3
14 46	......	....	70.8
15 20	29.550	70.7	69.1
15 34	......	....	68.7
16 10	29.564	69.1	68.1
18 53	29.606	64.3	62.9
19 15	......	....	62.0
19 29	......	....	61.9
19 59	29.612	63.0	61.0

Micrometer bisections are made at II, VI, except as noted below.

8, 36.	Bisections at VI, VII.
12, 26.	Bisections at b_4, b_5, b_6.
13.	Bisections at b_4, b_5.
16, 24, 45.	Bisections at I, II, III.
17, 25, 46.	Bisections at V, VI, VII.
22, 23, 29, 37, 41–44, 47, 48.	Bisections at I, II, VI, VII.
31, 33, 35, 39.	Bisections at I, II.

Notes.

4, 6. Clouds.

14, 15. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
16	+52 16.1	−15 50.6	+ 0.6	+36 26.1
17	+52 30.1	+15 50.6	...	+68 20.7
22	+ 0.4	.. ....	...	+ 0.4
23	+ 3.9	.. ....	− 0.6	+ 3.3
24	+ 2.3	−15 45.6	...	−15 43.3
25	+ 2.4	+15 45.7	...	+15 48.1
44	+ 0.4	.. ....	...	+ 0.4
45	+52 54.0	+15 59.0	...	+68 53.0
46	+52 39.5	−15 59.0	+ 0.3	+36 40.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	July 4, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Uranus C	.	.. ..	....	....	61 19 54.28	47.912	− 1.54	+1 43.3	19 24	.....	−22 31 10.5	....
2	h Sagittarii	9	31 21.36	− 0.19	....	63 53 55.38	47.088	− 1.48	+1 55.1	19 31	.....	−25 5 4.7	....
3	54 Sagittarii	9	35 41.64	− 0.18	....	55 19 53.45	46.115	− 1.45	+1 21.7	19 35	.....	−16 30 7.2	....
4	f Sagittarii	9	41 14.30	− 0.19	....	58 47 53.12	47.410	− 1.40	+1 33.3	19 41	.....	−19 58 48.1	− 3.1
5	c Sagittarii	9	57 15.07	− 0.20	....	66 47 53.58	43.016	− 1.27	+2 11.3	19 57	.....	−27 57 46.2	....
6	α^2 Capricorni	9	13 11.27	− 0.18	**−8.72**	51 37 55.68	50.405	− 1.20	+1 11.5	20 13	.....	−12 49 37.5	....
7	π Capricorni	8	22 17.78	− 0.19	**−8.77**	57 19 52.62	47.090	− 1.20	+1 28.2	20 22	.....	−18 30 35.4	....
8	Moon N	.	.. ..	....	....	62 7 54.78	42.593	− 1.11	+1 46.6	20 36	.....	−23 17 11.1	....
9	Moon S	.	.. ..	....	....	62 39 54.55	43.658	− 1.11	+1 49.0	.. ..	.....	−23 49 41.9	....
	July 6, L.												
10	ι Aquarii	9	1 42.71	− 0.23	**−9.42**	53 10 1.40	42.125	− 5.36	+1 15.0	22 1 33.09	.....	−14 18 33.4	....
11	θ Aquarii	9	12 13.15	− 0.23	**−9.42**	47 4 5.60	46.640	− 5.36	+1 0.5	22 12 3.52	.....	− 8 14 6.2	....
12	σ Aquarii	9	26 1.00	− 0.23	**−9.30**	50 0 5.68	42.180	− 5.36	+1 7.0	22 25 51.37	.....	−11 8 30.9	....
13	Moon II, N	9	38 8.13	− 0.24	−9.40	53 38 4.12	45.316	− 5.36	+1 16.4	22 37 58.49	−69.75	−14 47 50.5	....
14	τ Aquarii	9	44 57.52	− 0.23	−9.40	52 54 3.92	46.450	− 5.36	+1 14.4	22 44 47.89	− 1.40	−14 4 14.1	− 9.3
15	λ Aquarii	9	48 3.06	− 0.23	**−9.40**	46 54 4.82	45.695	− 5.36	+1 0.2	22 47 53.43	.....	− 8 3 43.5	....
16	δ Aquarii	9	50 0.40	− 0.23	**−9.45**	55 8 4.58	45.890	− 5.36	+1 20.8	22 49 50.77	.....	−16 18 8.4	....
	July 7, L.												
17	Sun I, S	9	3 42.91	− 0.20	−9.44	16 29 58.80	45.023	− 1.55	+ 16.3	7 3 33.27	+68.51	+22 21 17.8	....
18	Sun II, N	9	5 59.93	− 0.20	−9.44	15 58 1.12	46.240	− 1.55	+ 15.8	7 5 50.29	−68.51	+22 52 48.2	....
19	43 H. Cephei S. P.	9	56 15.33	+ 1.91	−9.45	304 37 54.55	47.327	− 1.83	−1 18.6	0 56 7.79	.....	+85 45 55.3	....
20	α Ursæ Minoris S. P.	7	26 20.26	+ 7.10	−9.45	307 41 55.65	44.537	− 1.88	−1 10.5	1 26 17.91	.....	+88 49 0.6	....
21	ε Boötis	9	41 11.77	− 0.29	**[−9.44]**	11 24 0.68	44.545	− 2.14	+ 11.2	14 41 2.02	.....	+27 27 32.5	....
22	α Libræ	9	46 1.58	− 0.28	**[−9.49]**	54 30 0.85	45.582	− 2.16	+1 17.4	14 45 51.84	.....	−15 39 57.4	....
23	321 B. Boötis	9	52 6.53	− 0.28	−9.46	24 2 1.70	45.735	− 2.18	+ 24.7	14 51 56.79	.....	+14 48 50.9	....
24	ψ Boötis	9	0 43.84	− 0.29	**[−9.42]**	11 32 1.42	48.005	− 2.21	+ 11.4	15 0 34.08	.....	+27 18 12.6	....
25	57 B. Ursæ Minoris	7	6 46.99	− 3.65	−9.47	311 18	......	....	. ....	15 6 33.87	.....	+87 35	....
26	ι Libræ	9	7 13.07	− 0.29	**[−9.46]**	58 16 0.90	47.845	− 2.23	+1 29.3	15 7 3.31	.....	−19 27 0.9	....
27	32 Libræ	9	23 18.64	− 0.28	**−9.53**	55 14 1.78	45.835	− 2.29	+1 19.6	15 23 8.89	.....	−16 24 6.1	....
28	β Coronæ Borealis	8	24 15.86	− 0.29	**−9.44**	9 26 1.22	45.442	− 2.29	+ 9.2	15 24 6.10	.....	+29 25 13.5	....
29	γ Libræ	9	30 37.30	− 0.28	**−9.45**	53 20 0.30	44.025	− 2.31	+1 14.2	15 30 27.55	.....	−14 29 17.9	....
30	α Serpentis	9	39 58.36	− 0.27	**−9.50**	32 7 59.85	45.798	− 2.35	+ 34.8	15 39 48.62	.....	+ 6 42 41.4	....
31	β Serpentis	9	42 10.47	− 0.28	**−9.39**	23 8 0.52	47.028	− 2.35	+ 23.7	15 42 0.72	.....	+15 42 23.7	....
32	ε Serpentis	9	46 28.03	− 0.27	**−9.50**	34 6 1.12	44.675	− 2.37	+ 37.5	15 46 18.29	.....	+ 4 45 3.1	....
33	ε Coronæ Borealis	9	54 0.49	− 0.29	**−9.44**	11 41 59.95	47.218	− 2.39	+ 11.5	15 53 50.73	.....	+27 8 32.1	....
34	ν Scorpii (*mean*)	9	6 53.82	− 0.29	**−9.56**	58 4 0.35	44.190	− 2.44	+1 28.7	16 6 44.05	.....	−19 13 36.1	....
35	λ Ophiuchi	9	26 30.80	− 0.27	**−9.45**	36 40 0.92	44.825	− 2.51	+ 41.3	16 26 21.05	.....	+ 2 10 56.2	....
	July 7, M.												
36	κ Piscium	9	22 26.95	− 0.22	**[−9.50]**	38 5 57.60	43.370	− 2.10	+ 44.3	23 22 17.29	.....	+ 0 45 29.4	....
37	Moon II, N	9	34 8.89	− 0.23	−9.44	47 53 57.80	45.253	− 2.10	+1 4.0	23 33 59.22	−68.25	− 9 3 33.6	....
38	ω^2 Aquarii	9	38 11.13	− 0.22	−9.44	53 51 56.12	47.818	− 2.10	+1 17.4	23 38 1.47	.....	−15 2 43.8	....
39	30 Piscium	9	57 28.30	− 0.22	−9.45	45 21 57.30	44.278	− 2.10	+ 57.3	23 57 18.63	.....	− 6 31 4.0	....
40	33 Piscium	9	0 51.35	− 0.22	**[−9.47]**	45 3 56.40	43.845	− 2.10	+ 56.7	0 0 41.68	.....	− 6 12 52.6	....
41	ι Ceti	9	14 58.07	− 0.22	**[−9.43]**	48 9 55.82	45.392	− 2.10	+1 3.2	0 14 48.40	.....	− 9 19 33.9	....
42	43 H. Cephei	9	56 19.89	− 2.11	−9.45	313 5 52.30	47.090	− 2.10	−1 0.2	0 56 8.33	.....	+85 45 54.1	....
43	α Ursæ Minoris	9	26 37.56	− 7.38	−9.46	310 3 51.22	44.575	− 2.10	−1 6.7	1 26 20.72	.....	+88 48 59.1	....
44	Mercury II, C	9	37 56.63	− 0.19	−9.54	18 19 59.02	47.261	− 1.43	+ 18.2	5 37 46.90	− 0.28	+20 30 24.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 19 24	29.806	62.2	60.7
19 57	......	....	61.0
20 23	......	....	60.8
20 38	29.836	61.9	61.2
6 22 2	29.696	63.0	61.2
22 24	......	....	61.1
22 40	......	....	61.0
22 52	29.694	62.4	60.9
7 7 6	29.788	74.3	75.7
12 54	29.758	77.2	77.7
13 27	29.760	76.2	76.2
14 40	29.772	72.4	71.8
15 13	......	....	71.4
15 48	29.790	71.7	71.4
16 7	......	....	71.1
16 27	29.790	70.7	70.2
23 22	29.816	62.5	61.1
23 57	......	....	60.6
0 6	29.810	61.8	60.4
0 56	......	....	60.1
1 27	29.822	62.9	62.7
5 38	29.830	75.3	76.4

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 22, 29, 44. Bisections at I, II, VI, VII.
3, 16, 34. Bisections at II, VI, VII.
8, 17. Bisections at I, II, III.
9, 18. Bisections at V, VI, VII.
10, 28. Bisections at VI, VII.
13, 37. Bisections at II, III, IV, V, VI.
15, 24, 26, 27. Bisections at I, II.
19, 20, 42, 43. Bisections at b_4, b_5, b_6.

Notes.

1, 2. Clouds.
19. Very faint.
42. Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 0.4	.. ....	...	+ 0.4
8	+52 7.1	−16 7.8	...	+35 59.3
9	+52 22.9	+16 7.8	− 0.6	+68 30.1
13	+47 49.4	−16 15.2	...	+31 34.2
17	+ 2.4	+15 45.2	...	+15 47.6
18	+ 2.4	−15 45.2	...	−15 42.8
37	+44 2.7	−16 15.1	...	+27 47.6
44	+ 3.2	.. ....	− 0.3	+ 2.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	July 8, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	7 49.18	− 0.19	− 9.55	16 3 59.95	47.730	− 1.78	+ 15.8	7 7 39.44	+68.40	+22 46 15.5	....
2	Sun II, S	9	10 5.99	− 0.19	− 9.55	16 36 1.62	46.363	− 1.78	+ 16.3	7 9 56.25	−68.41	+22 14 44.6	....
3	Venus C, C	5	31 4.49	− 0.19	− 9.56	18 21 54.90	48.211	− 1.46	+ 18.1	8 30 54.74	0.00	+20 28 7.0	....
4	43 H. Cephei s. p.	6	56 15.93	+ 2.49	− 9.64	304 37 56.00	47.183	− 1.30	−1 18.2	0 56 8.78	.....	+85 45 54.4	....
5	α Ursæ Minoris s. p.	7	26 20.23	+ 9.15	− 9.64	307 41 54.60	44.477	− 1.30	−1 10.1	1 26 19.74	.....	+88 48 59.2	....
6	ε Boötis	9	41 11.98	− 0.30	[− **9.65**]	11 23 59.00	44.648	− 1.30	+ 11.1	14 41 2.02	.....	+27 27 31.1	....
7	α Libræ	9	46 1.68	− 0.28	[− **9.60**]	54 29 59.62	45.670	− 1.30	+1 17.0	14 45 51.74	.....	−15 39 58.6	....
8	321 B. Boötis	9	52 6.64	− 0.28	− 9.66	24 1 59.10	45.875	− 1.30	+ 24.5	14 51 56.70	.....	+14 48 49.6	....
9	ψ Bootis	9	0 44.09	− 0.30	[− **9.67**]	11 31 57.48	48.205	− 1.30	+ 11.3	15 0 34.13	.....	+27 18 11.2	....
10	57 B. Ursæ Minoris	7	6 48.03	− 4.64	− 9.66	311 17 53.62	43.595	− 1.30	−1 2.3	15 6 33.73	.....	+87 35 14.0	....
11	β Coronæ Borealis	9	24 16.06	− 0.31	− **9.63**	9 25 57.92	45.580	− 1.30	+ 9.2	15 24 6.09	.....	+29 25 12.8	....
12	γ Libræ	9	30 37.49	− 0.27	− **9.65**	53 19 59.02	44.060	− 1.30	+1 13.9	15 30 27.56	.....	−14 29 18.1	....
13	α Serpentis	9	39 58.56	− 0.28	− **9.69**	32 7 58.45	45.875	− 1.30	+ 34.6	15 39 48.61	.....	+ 6 42 40.2	....
14	β Serpentis	9	42 10.71	− 0.28	− **9.63**	23 7 58.58	47.115	− 1.30	+ 23.6	15 42 0.76	.....	+15 42 22.7	....
15	ε Serpentis	9	46 28.21	− 0.28	− **9.67**	34 5 59.48	44.770	− 1.30	+ 37.4	15 46 18.26	.....	+ 4 45 1.6	....
16	ε Coronæ Borealis	9	54 0.71	− 0.30	− **9.66**	11 41 58.22	47.315	− 1.30	+ 11.5	15 53 50.74	.....	+27 8 30.6	....
17	ν Scorpii (*mean*)	9	6 53.98	− 0.28	− **9.74**	58 3 59.15	44.225	− 1.30	+1 28.4	16 6 44.03	.....	−19 13 36.5	....
	July 8, P.												
18	κ Piscium	9	22 27.35	− 0.20	[− **9.89**]	38 5 53.82	43.470	− 1.76	+ 44.0	23 22 17.36	.....	+ 0 45 30.9	....
19	ι Piscium	9	35 27.39	− 0.21	[− **9.90**]	33 43 50.10	42.528	− 1.76	+ 37.5	23 35 17.39	.....	+ 5 8 2.6	....
20	30 Piscium	9	57 28.66	− 0.20	− 9.79	45 21 52.38	44.475	− 1.76	+ 56.9	23 57 18.67	.....	− 6 31 3.6	....
21	33 Piscium	9	0 51.74	− 0.20	[− **9.85**]	45 3 54.18	43.915	− 1.76	+ 56.3	0 0 41.74	.....	− 6 12 51.9	....
22	Moon II, N	9	28 11.75	− 0.20	− 9.81	41 41 52.72	44.259	− 1.76	+ 50.4	0 28 1.74	−67.33	− 2 50 51.4	....
23	20 Ceti	9	48 32.22	− 0.20	[− **9.94**]	40 29 54.82	42.465	− 1.76	+ 48.1	0 48 22.22	.....	− 1 38 11.3	....
24	43 H. Cephei	8	56 20.75	− 2.52	− 9.81	313 5 53.88	47.033	− 1.76	− 59.9	0 56 8.42	.....	+85 45 52.2	....
25	η Ceti	9	4 11.44	− 0.20	− 9.81	49 29 53.92	45.740	− 1.76	+1 5.9	1 4 1.43	.....	−10 39 43.0	....
26	α Ursæ Minoris	9	26 39.83	− 8.90	− 9.81	310 3 53.98	44.490	− 1.76	−1 6.6	1 26 21.12	.....	+88 48 57.8	....
27	Mercury C, C	9	42 10.65	− 0.22	− 9.86	18 5 56.12	45.975	− 1.46	+ 18.1	5 42 0.57	− 0.13	+20 44 56.8	....
	July 9, P.												
28	Sun I, N	9	11 55.42	− 0.22	− 9.87	16 11 57.52	44.948	− 1.30	+ 16.0	7 11 45.33	+68.41	+22 39 20.8	....
29	Sun II, S	9	14 12.25	− 0.22	− 9.87	16 43 57.38	43.722	− 1.30	+ 16.6	7 14 2.16	−68.42	+22 7 48.5	....
30	Venus I, C	9	36 8.23	− 0.22	− 9.89	18 39 56.70	46.430	− 1.68	+ 18.5	8 35 58.12	+ 0.53	+20 10 45.7	....
31	Venus II	9	36 9.22	− 0.22	− 9.89	... .	......	....	. ....	8 35 59.11	− 0.46	.. ..	....
32	43 H. Cephei s. p.	9	56 16.61	+ 2.75	− 9.93	304 37 53.00	47.370	− 1.64	−1 18.6	0 56 9.43	.....	+85 45 54.9	....
33	α Ursæ Minoris s. p.	9	26 22.72	+10.07	− 9.94	307 41 53.45	44.595	− 1.64	−1 10.6	1 26 22.85	.....	+88 48 59.8	....
34	ε Boötis	9	41 12.27	− 0.31	[− **9.94**]	11 23 54.18	44.828	− 1.90	+ 11.2	14 41 2.01	.....	+27 27 32.3	....
35	α Libræ	9	46 2.03	− 0.26	[− **9.98**]	54 29 53.15	45.948	− 1.92	+1 17.5	14 45 51.82	.....	−15 39 58.4	....
36	321 B. Boötis	9	52 6.97	− 0.28	− 9.95	24 1 54.85	46.042	− 1.95	+ 24.7	14 51 56.74	.....	+14 48 50.5	....
37	ψ Boötis	9	0 44.36	− 0.31	[− **9.94**]	11 31 54.50	48.290	− 1.98	+ 11.4	15 0 34.10	.....	+27 18 12.8	....
38	57 B. Ursæ Minoris	9	6 47.06	− 5.08	− 9.95	311 17 53.92	43.648	− 2.01	−1 2.8	15 6 32.03	.....	+87 35 13.7	....
39	β Coronæ Borealis	9	24 16.37	− 0.31	− **9.95**	9 25 54.62	45.750	− 2.09	+ 9.3	15 24 6.10	.....	+29 25 12.9	....
40	γ Libræ	9	30 37.77	− 0.26	− **9.95**	53 19 54.78	44.272	− 2.11	+1 14.5	15 30 27.55	.....	−14 29 18.5	....
41	α Serpentis	9	39 58.83	− 0.27	− **9.98**	32 7 54.50	46.030	− 2.16	+ 34.9	15 39 48.60	.....	+ 6 42 41.2	....
42	β Serpentis	9	42 10.98	− 0.28	− **9.91**	23 7 55.28	47.238	− 2.16	+ 23.8	15 42 0.74	.....	+15 42 23.8	....
43	μ Serpentis	9	45 3.93	− 0.26	− **9.95**	41 59 54.32	45.010	− 2.17	+ 50.1	15 44 53.71	.....	− 3 9 10.5	....
44	ε Coronæ Borealis	9	54 1.01	− 0.31	− **9.96**	11 41 55.52	47.425	− 2.22	+ 11.6	15 53 50.74	.....	+27 8 31.5	....
45	ν Scorpii (*mean*)	9	6 54.23	− 0.26	−**10.01**	58 3 54.72	44.440	− 2.27	+1 29.2	16 6 44.01	.....	−19 13 36.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 7 10	29.80	77.1	78.1
8 31	29.790	79.5	80.0
12 56	29.750	79.5	80.0
13 26	29.748	78.3	78.7
14 41	29.744	74.6	74.3
15 1	......	....	74.0
15 31	......	....	73.1
16 7	29.750	71.9	71.6
23 20	29.752	65.0	64.2
23 47	......	....	63.2
0 20	29.774	63.2	63.0
1 0	......	....	62.2
1 32	29.796	65.0	63.0
5 43	29.876	75.5	74.0
9 7 14	29.874	76.8	76.2
8 37	29.850	78.0	79.0
12 52	29.854	78.2	79.0
13 31	......	....	76.9
14 39	29.856*	74.0	73.0
14 57	......	....	72.1
15 28	......	....	70.8
15 50	......	....	70.0
16 9	29.870	70.5	69.0

Micrometer bisections are made at II, VI, except as noted below.

1, 28.	Bisections at I, II, III.
2, 29.	Bisections at V, VI, VII.
3, 27, 30.	Bisections at I, II, VI, VII.
4, 5, 10, 24, 26, 32, 33, 38.	Bisections at b_4, b_5, b_6.
22.	Bisections at II, III, IV, V.
37.	Bisections at I, II.

Notes.

4. Very poor.
5. Clouds.
* Barometer reading changed from 29.756 in. to 29.856 in.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.4	−15 45.4	...	−15 43.0
2	+ 2.5	+15 45.4	...	+15 47.9
3	+ 1.7	.. ....	0.0	+ 1.7
22	+39 22.6	−16 13.0	...	+23 9.6
27	+ 3.1	.. ....	− 0.3	+ 2.8
28	+ 2.4	−15 46.1	...	−15 43.7
29	+ 2.5	+15 46.1	...	+15 48.6
30	+ 1.7	.. ....	0.0	+ 1.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	July 9, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Pegasi	9	0 25.29	− 0.23	**−10.12**	24 7 59.75	45.722	− 5.49	+ 25.4	23 0 14.97	.....	+14 42 55.7	....
2	γ Piscium	9	12 38.52	− 0.22	**−10.13**	36 4 0.18	44.385	− 5.49	+ 41.3	23 12 28.21	.....	+ 2 47 10.0	....
3	θ Piscium	9	23 32.65	− 0.22	[**−10.14**]	32 57 59.58	45.522	− 5.49	+ 36.8	23 23 22.34	.....	+ 5 52 49.1	....
4	ι Piscium	9	35 27.63	− 0.22	[**−10.10**]	33 43 59.45	42.238	− 5.49	+ 37.9	23 35 17.32	.....	+ 5 8 3.2	....
5	ω Piscium	9	54 49.66	− 0.21	[**−10.13**]	32 30 0.12	43.320	− 5.49	+ 36.2	23 54 39.35	.....	+ 6 21 39.5	....
6	γ Pegasi	9	8 44.18	− 0.22	[**−10.09**]	24 10 0.05	46.354	− 5.49	+ 25.5	0 8 33.86	.....	+14 40 40.9	....
7	Moon II, N	9	21 21.29	− 0.19	−10.11	35 24 2.00	42.947	− 5.49	+ 40.3	1 21 10.99	−67.14	+ 3 27 42.0	....
8	α Ursæ Minoris	7	26 40.01	− 7.79	−10.11	310 3 56.65	44.625	− 5.49	−1 7.0	1 26 22.11	.....	+88 48 56.2	....
9	Mercury II, C	9	46 45.19	− 0.24	−10.18	17 51 57.52	44.440	− 1.51	+ 17.8	5 46 34.77	− 0.26	+20 59 30.9	....
	July 10, L.												
10	Sun I, N	9	16 1.16	− 0.24	−10.19	16 17 57.85	48.440	− 1.74	+ 16.0	7 15 50.73	+68.37	+22 32 1.1	....
11	Sun II, S	9	18 17.89	− 0.24	−10.19	16 49 56.80	47.128	− 1.74	+ 16.6	7 18 7.46	−68.36	+22 0 31.7	....
12	43 H. Cephei S. P.	9	56 16.67	+ 2.51	−10.26	304 37 52.35	47.465	− 2.54	−1 18.5	0 56 8.92	.....	+85 45 55.6	....
13	α Ursæ Minoris S. P.	7	26 22.78	+ 9.20	−10.26	307 41 52.25	44.695	− 2.54	−1 10.5	1 26 21.72	.....	+88 49 0.1	....
14	57 B. Ursæ Minoris	9	6 46.83	− 4.66	−10.28	311 17 51.78	43.745	− 2.54	−1 2.6	15 6 31.89	.....	+87 35 13.9	....
15	β Coronæ Borealis	9	24 16.62	− 0.30	**−10.22**	9 25 55.78	45.662	− 2.54	+ 9.3	15 24 6.04	.....	+29 25 14.2	....
16	γ Libræ	9	30 38.09	− 0.25	**−10.29**	53 19 56.45	44.158	− 2.54	+1 14.3	15 30 27.56	.....	−14 29 17.0	....
17	α Serpentis	9	39 59.09	− 0.26	**−10.26**	32 7 57.20	45.918	− 2.54	+ 34.8	15 39 48.55	.....	+ 6 42 41.5	....
18	β Serpentis	9	42 11.29	− 0.27	**−10.24**	23 7 56.72	47.182	− 2.54	+ 23.7	15 42 0.73	.....	+15 42 24.2	....
19	μ Serpentis	9	45 4.30	− 0.25	**−10.34**	41 59 55.45	44.960	− 2.54	+ 49.9	15 44 53.76	.....	− 3 9 9.9	....
20	γ Serpentis	9	52 27.06	− 0.27	**−10.28**	22 53 56.02	44.295	− 2.54	+ 23.5	15 52 16.50	.....	+15 57 31.1	....
21	ε Coronæ Borealis	9	54 1.36	− 0.29	**−10.34**	11 41 55.62	47.398	− 2.54	+ 11.6	15 53 50.78	.....	+27 8 32.3	....
22	ν Scorpii (*mean*)	9	6 54.53	− 0.26	**−10.32**	58 3 56.58	44.348	− 2.54	+1 28.9	16 6 43.98	.....	−19 13 36.0	....
23	γ Herculis	9	18 6.51	− 0.28	**−10.26**	19 29 56.50	43.132	− 2.54	+ 19.7	16 17 55.94	.....	+19 22 0.9	....
24	β Herculis	9	26 30.71	− 0.28	**−10.32**	17 9 55.98	45.142	− 2.54	+ 17.2	16 26 20.14	.....	+21 41 18.0	....
	July 10, P.												
25	α Pegasi	9	0 25.56	− 0.26	**−10.33**	24 7 53.30	45.795	− 1.61	+ 25.3	23 0 15.00	.....	+14 42 56.8	....
26	γ Piscium	9	12 38.78	− 0.25	**−10.33**	36 3 53.90	44.490	− 1.56	+ 41.0	23 12 28.23	.....	+ 2 47 10.3	....
27	θ Piscium	9	23 32.91	− 0.25	[**−10.34**]	32 57 53.00	45.650	− 1.51	+ 36.6	23 23 22.36	.....	+ 5 52 49.0	....
28	ι Piscium	9	35 27.91	− 0.25	[**−10.32**]	33 43 53.65	42.320	− 1.44	+ 37.6	23 35 17.35	.....	+ 5 8 3.4	....
29	ω Piscium	9	54 49.92	− 0.25	[**−10.32**]	32 29 50.92	43.592	− 1.34	+ 36.0	23 54 39.36	.....	+ 6 21 38.5	....
30	γ Pegasi	9	8 44.41	− 0.26	[**−10.25**]	24 9 52.75	46.500	− 1.27	+ 25.4	0 8 33.84	.....	+14 40 40.7	....
31	43 H. Cephei	6	56 21.80	− 2.70	−10.32	313 5 51.98	47.110	− 1.03	−1 0.0	0 56 8.78	.....	+85 45 52.7	....
32	α Ursæ Minoris	9	26 41.72	− 9.42	−10.32	310 3 52.30	44.533	− 0.88	−1 6.5	1 26 21.98	.....	+88 48 57.5	....
33	Moon II, N	9	14 47.72	− 0.27	−10.31	29 19 51.52	45.032	− 0.81	+ 31.4	2 14 37.14	−67.66	+ 9 31 9.0	....
	July 11, M.												
34	Mercury II, C	9	56 54.30	− 0.26	−10.54	17 23 55.88	43.420	− 2.10	+ 17.0	5 56 43.50	− 0.25	+21 27 57.2	....
	July 12, M.												
35	Sun I, S	9	24 11.24	− 0.26	−10.55	17 5 57.38	46.622	− 2.53	+ 16.6	7 24 0.43	+68.13	+21 44 43.3	....
36	Sun II, N	9	26 27.50	− 0.26	−10.55	16 33 56.40	48.003	− 2.53	+ 16.0	7 26 16.69	−68.13	+22 16 13.4	....
37	α Ursæ Minoris S. P.	7	26 24.00	+12.17	.....	307 41 46.02	44.777	− 1.75	−1 8.9	1 26	.....	+88 48 58.2	....
38	57 B. Ursæ Minoris	9	6 48.28	− 6.15	.....	311 17 45.95	43.853	− 1.75	−1 1.0	15 6	.....	+87 35 14.9	....
39	α Coronæ Borealis	9	31 2.57	− 0.36	[**−10.66**]	11 50	......	....	.....	15 30	.....	+27 1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 23 0	29.882	63.8	61.7
23 26	......	....	61.1
23 38	......	....	60.5
0 11	29.902	62.1	60.0
1 26	29.926	63.9	62.1
5 47	29.950	76.3	77.9
10 7 18	29.960	78.8	80.9
12 58	29.916	80.0	80.4
13 27	29.916	79.1	79.0
15 7	29.900	74.6	73.8
15 33	......	....	72.5
15 44	......	....	72.2
16 7	......	....	71.8
16 27	29.902	72.2	70.9
22 59	......	....	64.5
23 2	29.896	66.1	64.3
23 30	29.892	66.0	64.0
0 0	......	....	63.2
0 11	29.891	65.0	63.0
0 52	29.896	65.0	63.0
1 31	29.912	66.8	66.1
2 15	29.924	68.9	69.0
11 5 57	29.740	80.7	83.2
12 7 26	29.726	84.0	86.5
13 26	29.650	85.8	86.2
15 7	29.656	83.8	82.8

Micrometer bisections are made at II, VI, except as noted below.

3.	Bisections at II, VII.
5.	Bisections at II, VI, VII.
6, 9, 22, 34.	Bisections at I, II, VI, VII.
7, 33.	Bisections at II, III, IV, V, VI.
8, 12-14, 32, 37, 38.	Bisections at b_4, b_5, b_6.
10, 35.	Bisections at I, II, III.
11, 36.	Bisections at V, VI, VII.
20.	Bisections at I, II.
21.	Bisections at VI, VII.
31.	Bisections at b_5, b_6.

Notes.

6, 15. Through clouds.
31, 39. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+34 7.6	−16 9.2	...	+17 58.4
9	+ 3.0	.. ....	− 0.2	+ 2.8
10	+ 2.4	−15 44.7	...	−15 42.3
11	+ 2.5	+15 44.6	...	+15 47.1
33	+28 41.6	−16 4.1	...	+12 37.5
34	+ 2.7	.. ....	− 0.1	+ 2.6
35	+ 2.5	+15 45.0	...	+15 47.5
36	+ 2.5	−15 45.1	...	−15 42.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	July 14, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	32 19.77	− 0.29	−11.15	17 23 47.18	45.013	+ 0.10	+ 17.2	7 32 8.33	+68.09	+21 27 27.0	....
2	Sun II, N.	9	34 35.96	− 0.29	−11.15	16 51 47.30	46.303	+ 0.10	+ 16.6	7 34 24.52	−68.10	+21 58 58.2	....
3	α Ursæ Minoris s. p.	4	26 25.78	+11.62	−11.19	307 41 47.12	44.842	− 0.84	−1 9.9	1 26 26.21	.....	+88 49 0.7	....
4	γ Libræ	9	30 38.92	− 0.28	[−11.12]	53 19 49.82	44.418	− 0.84	+1 13.4	15 30 27.43	.....	−14 29 17.1	....
5	α Serpentis	9	40 0.01	− 0.30	−11.17	32 7 50.70	46.165	− 0.84	+ 34.4	15 39 48.50	.....	+ 6 42 41.1	....
6	β Serpentis	9	42 12.21	− 0.31	−11.15	23 7 50.60	47.368	− 0.84	+ 23.4	15 42 0.69	.....	+15 42 24.7	....
7	μ Serpentis	9	45 5.18	− 0.28	−11.21	41 59 50.38	45.150	− 0.84	+ 49.3	15 44 53.69	.....	− 3 9 10.3	....
8	γ Serpentis	9	52 28.02	− 0.31	−11.23	22 53 51.22	44.422	− 0.84	+ 23.2	15 52 16.50	.....	+15 57 31.6	....
9	ε Coronæ Borealis	9	54 2.25	− 0.34	−11.22	11 41 50.60	47.542	− 0.84	+ 11.4	15 53 50.70	.....	+27 8 32.6	....
10	ν Scorpii (*mean*)	9	6 55.50	− 0.27	−11.30	58 3 51.25	44.568	− 0.84	+1 27.8	16 6 44.02	.....	−19 13 36.3	....
11	γ Herculis	9	18 7.39	− 0.31	−11.14	19 29 51.42	43.255	− 0.84	+ 19.5	16 17 55.86	.....	+19 22 1.7	....
12	β Herculis	9	26 31.67	− 0.31	−11.28	17 9 50.02	45.330	− 0.84	+ 17.0	16 26 20.14	.....	+21 41 18.2	....
13	δ Ursæ Minoris	8	2 9.15	− 3.90	−11.23	312 15 45.78	44.638	− 0.85	−1 0.3	18 1 54.02	.....	+86 36 55.5	....
	July 14, M.												
14	α Ursæ Minoris	8	26 50.88	−10.00	−11.20	310 3 43.32	44.835	− 0.89	−1 5.7	1 26 29.68	.....	+88 48 58.8	....
15	Mercury II, C.	9	14 36.67	− 0.24	−11.27	16 43 48.95	48.450	− 0.05	+ 16.4	6 14 25.16	− 0.23	+22 6 7.7	....
	July 15, M.												
16	Sun I, N.	8	36 22.94	− 0.23	−11.29	16 59 51.92	49.292	+ 0.02	+ 16.5	7 36 11.42	+68.04	+21 49 45.3	....
17	Sun II, S.	9	38 39.02	− 0.23	−11.29	17 31 51.72	47.985	+ 0.02	+ 17.1	7 38 27.50	−68.04	+21 18 14.9	....
18	γ Serpentis	9	52 28.15	− 0.32	−11.36	22 53 50.30	44.525	− 1.04	+ 23.3	15 52 16.44	.....	+15 57 30.2	....
19	ε Coronæ Borealis	9	54 2.38	− 0.34	−11.36	11 41 48.92	47.630	− 1.04	+ 11.5	15 53 50.65	.....	+27 8 32.4	....
20	ν Scorpii (*mean*)	9	6 55.61	− 0.28	−11.40	58 3 49.58	44.675	− 1.04	+1 28.1	16 6 43.94	.....	−19 13 37.2	....
21	γ Herculis	9	18 7.61	− 0.32	−11.35	19 29 48.72	43.410	− 1.04	+ 19.5	16 17 55.90	.....	+19 22 1.0	....
22	β Herculis	9	26 31.78	− 0.33	−11.37	17 9 47.92	45.452	− 1.04	+ 17.0	16 26 20.05	.....	+21 41 17.7	....
23	49 Herculis	9	48 9.59	− 0.31	−11.40	23 43 48.45	44.290	− 1.04	+ 24.2	16 47 57.88	.....	+15 7 36.5	....
24	β Ophiuchi	9	39 12.19	− 0.28	−11.40	34 13 47.30	47.245	− 1.04	+ 37.5	17 39 0.50	.....	+ 4 36 16.9	....
25	γ Ophiuchi	9	43 33.38	− 0.27	−11.41	36 5 51.38	46.522	− 1.04	+ 40.2	17 43 21.70	− 1.88	+ 2 44 26.6	− 1.1
26	ν Ophiuchi	9	54 14.73	− 0.26	−11.45	48 35 48.98	46.345	− 1.04	+1 2.5	17 54 3.06	.....	− 9 45 49.2	....
27	δ Ursæ Minoris	9	2 10.22	− 4.28	−11.41	312 15 40.08	44.820	− 1.04	−1 0.4	18 1 54.53	.....	+86 36 57.3	....
28	η Serpentis	9	16 49.75	− 0.26	−11.46	41 45 48.62	45.828	− 1.04	+ 49.2	18 16 38.07	.....	− 2 55 23.7	....
29	3 H. Scuti	9	30 29.07	− 0.25	−11.45	47 9 47.82	43.065	− 1.04	+ 59.4	18 30 17.40	.....	− 8 18 30.0	....
30	θ Serpentis	9	51 55.45	− 0.26	−11.44	34 45 48.25	45.058	− 1.04	+ 38.3	18 51 43.77	.....	+ 4 5 5.1	....
31	51 H. Cephei s. p.	6	57 57.68	+ 4.99	−11.42	306 3 47.85	46.530	− 1.04	−1 15.3	6 57 51.25	.....	+87 11 34.4	....
	July 15, P.												
32	43 H. Cephei	9	56 25.78	− 3.75	−11.53	313 5 47.55	47.150	− 0.85	− 58.8	0 56 10.50	.....	+85 45 54.9	....
33	α Ursæ Minoris	6	26 53.68	−13.20	−11.54	310 3 48.32	44.610	− 0.85	−1 5.3	1 26 28.94	.....	+88 48 58.5	....
	July 16, L.												
34	43 H. Cephei	9	56 25.72	− 3.23	−11.81	313 5 48.08	47.237	− 2.45	− 59.0	0 56 10.68	.....	+85 45 54.2	....
35	α Ursæ Minoris	7	26 52.60	−11.35	−11.82	310 3 49.08	44.683	− 2.45	−1 5.6	1 26 29.43	.....	+88 48 58.0	....
36	Mercury II, C.	9	27 59.98	− 0.28	−11.89	16 23 54.25	47.780	− 1.72	+ 16.0	6 27 47.81	− 0.22	+22 26 19.8	....
	July 17, L.												
37	Sun I, N.	9	44 28.85	− 0.28	−11.90	17 19 52.50	47.898	− 1.62	+ 16.9	7 44 16.67	+67.93	+21 30 17.8	....
38	Sun II, S.	9	46 44.72	− 0.28	−11.90	17 51 54.62	46.648	− 1.62	+ 17.5	7 46 32.54	−67.94	+20 58 43.8	....
39	α Ursæ Minoris s. p.	9	26 29.56	+11.24	−11.95	307 41 48.92	44.802	− 1.68	−1 9.4	1 26 28.85	.....	+88 49 1.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 7 35	29.782	78.0	76.7
13 27	29.770	82.1	80.7
15 31	29.786	78.4	77.2
15 45	......	....	77.0
16 7	......	....	76.2
16 27	29.800	77.0	76.0
18 5	29.812	75.7	74.2
1 27	29.820	71.4	70.1
6 15	29.852	83.5	83.1
15 7 39	29.846	86.0	86.1
15 48	29.780	76.2	74.1
16 27	29.786	75.7	74.0
16 48	......	....	73.8
17 39	......	....	73.3
17 54	29.780	74.7	....
18 2	......	....	73.1
18 58	29.766	73.7	72.4
0 53	29.710	71.0	70.0
1 35	29.720	72.1	71.6
16 0 53	29.734	70.9	69.3
1 28	29.734	71.2	69.8
6 29	29.778	81.7	81.3
17 7 47	29.780	82.8	83.2
13 27	29.750	84.0	84.0

Micrometer bisections are made at II, VI, except as noted below.

1, 37.	Bisections at I, II, III.
2, 38.	Bisections at V, VI, VII.
3, 13, 14, 27, 31–35, 39.	Bisections at b_4, b_5, b_6.
5.	Bisection at II.
8.	Bisections at I, II.
10, 15, 36.	Bisections at I, II, VI, VII.
16.	Bisections at I, V.
17.	Bisections at VI, VII.

Notes.

3, 11, 12, 13, 31, 33.	Clouds.
14.	One microscope reading decreased 10″.
26.	One microscope reading increased 10″.
35.	Very unsteady.
39.	Haze and clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.6	+15 45.6	...	+15 48.2
2	+ 2.5	−15 45.5	...	−15 43.0
15	+ 2.5	.. ....	0.0	+ 2.5
16	+ 2.5	−15 45.2	...	−15 42.7
17	+ 2.6	+15 45.1	...	+15 47.7
36	+ 2.3	.. ....	0.0	+ 2.3
37	+ 2.6	−15 47.0	...	−15 44.4
38	+ 2.6	+15 47.0	...	+15 49.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Coronæ Borealis......	9	31 3.78	− 0.32	**[−11.97]**	11 49 52.62	45.410	− 1.68	+ 11.5	15 30 51.49	.....	+27 1 20.1	....
2	α Serpentis............	9	40 0.76	− 0.28	**−11.96**	32 7 53.65	46.068	− 1.68	+ 34.3	15 39 48.51	.....	+ 6 42 41.3	....
3	β Serpentis............	9	42 12.91	− 0.30	**−11.89**	23 7 52.88	47.310	− 1.68	+ 23.4	15 42 0.64	.....	+15 42 24.5	....
4	μ Serpentis............	9	45 5.95	− 0.27	**−12.01**	41 59 52.38	45.082	− 1.68	+ 49.2	15 44 53.71	.....	− 3 9 9.8	....
5	γ Serpentis............	9	52 28.68	− 0.30	**−11.93**	22 53 52.48	44.382	− 1.68	+ 23.1	15 52 16.41	.....	+15 57 32.2	....
6	ε Coronæ Borealis......	9	54 2.94	− 0.32	**−11.96**	11 41 52.58	47.475	− 1.68	+ 11.4	15 53 50.65	.....	+27 8 33.0	....
7	ν Scorpii (*mean*).......	9	6 56.22	− 0.27	**−12.04**	58 3 53.40	44.496	− 1.68	+1 27.6	16 6 43.98	.....	−19 13 35.8	....
8	γ Herculis.............	9	18 8.19	− 0.30	**−11.97**	19 29 51.30	43.280	− 1.68	+ 19.4	16 17 55.91	.....	+19 22 2.2	....
9	β Herculis.............	9	26 32.35	− 0.31	**−11.98**	17 9 52.25	45.217	− 1.68	+ 17.0	16 26 20.06	.....	+21 41 19.3	....
10	σ Ophiuchi.............	9	22 14.02	− 0.26	**−11.96**	34 37 53.38	44.730	− 1.40	+ 37.9	17 22 1.77	.....	+ 4 13 8.2	....
11	β Ophiuchi.............	9	39 12.76	− 0.26	**−11.99**	34 13 53.38	46.958	− 1.40	+ 37.4	17 39 0.51	.....	+ 4 36 17.8	....
12	γ Ophiuchi.............	8	43 33.97	− 0.26	−11.99	36 5 53.15	46.445	− 1.40	+ 40.1	17 43 21.72	− 1.88	+ 2 44 27.1	− 1.3
13	ν Ophiuchi.............	9	54 15.26	− 0.25	**−11.99**	48 35 54.25	46.105	− 1.40	+1 2.3	17 54 3.02	.....	− 9 45 48.4	....
14	δ Ursæ Minoris........	5	2 9.16	− 4.03	−11.99	312 15 47.45	44.570	− 1.40	−1 0.3	18 1 53.14	.....	+86 36 56.0	....
15	o Herculis.............	9	4 13.85	− 0.31	**−12.00**	10 5 51.82	46.302	− 1.40	+ 9.9	18 4 1.55	.....	+28 45 1.8	....
16	η Serpentis............	9	16 50.28	− 0.25	**−11.99**	41 45 53.32	45.585	− 1.40	+ 49.2	18 16 38.03	.....	− 2 55 22.5	....
17	3 H. Scuti..............	9	30 29.65	− 0.25	**−12.01**	47 9 53.08	42.792	− 1.40	+ 59.4	18 30 17.40	.....	− 8 18 28.6	....
18	θ Serpentis............	8	51 56.09	− 0.26	**−12.07**	34 45 52.70	44.822	− 1.40	+ 38.3	18 51 43.83	.....	+ 4 5 6.4	....
19	51 H. Cephei S. P........	9	57 57.22	+ 4.71	−12.00	306 3 47.60	46.600	− 1.40	−1 15.4	6 57 49.93	.....	+87 11 35.3	....
	July 18, M.												
20	43 H. Cephei.............	9	56 26.28	− 2.01	.....	313 5 47.40	47.317	− 1.79	−1 0.4	0 56	.....	+85 45 53.8	....
21	α Ursæ Minoris........	9	26 52.00	− 7.10	.....	310 3 47.92	44.780	− 1.79	−1 7.1	1 26	.....	+88 48 57.8	....
	July 19, P.												
22	43 H. Cephei.............	9	56 26.33	− 1.95	.....	313 5 48.40	47.287	− 2.92	−1 1.1	0 56	.....	+85 45 55.3	....
23	α Ursæ Minoris........	9	26 51.78	− 6.83	.....	310 3 49.02	44.772	− 2.92	−1 8.2	1 26	.....	+88 48 59.1	....
24	Mercury C, C..........	9	50 14.38	− 0.22	−12.57	16 5 51.48	47.035	− 1.44	+ 16.0	6 50 1.59	− 0.05	+22 44 39.4	....
	July 20, M.												
25	43 H. Cephei.............	9	56 27.11	− 2.03	.....	313 5 47.95	47.213	− 2.61	−1 0.4	0 56	.....	+85 45 56.4	....
26	α Ursæ Minoris........	9	26 54.56	− 7.05	.....	310 3 48.72	44.717	− 2.61	−1 7.2	1 26	.....	+88 48 59.3	....
27	Mercury II, C........	9	58 10.24	− 0.24	−12.78	16 3 51.48	46.637	− 1.97	+ 15.9	6 57 57.22	− 0.21	+22 46 49.0	....
	July 21, M.												
28	Sun I, S.............	9	0 33.23	− 0.24	−12.80	18 35 50.85	44.950	− 1.76	+ 18.4	8 0 20.19	+67.59	+20 15 25.4	....
29	Sun II, N............	9	2 48.42	− 0.24	−12.80	18 3 50.82	46.242	− 1.76	+ 17.9	8 2 35.38	−67.60	+20 46 56.6	....
	July 23, P.												
30	Mercury C, C..........	9	23 11.85	− 0.25	−13.65	16 11 49.92	45.899	− 1.97	+ 16.1	7 22 57.95	− 0.02	+22 39 7.2	....
	July 24, P.												
31	Sun I, S.............	9	12 31.18	− 0.25	−13.65	19 11 51.20	45.252	− 2.16	+ 19.2	8 12 17.28	+67.30	+19 39 17.8	....
32	Sun II, N............	9	14 45.78	− 0.25	−13.65	18 39 49.32	46.528	− 2.16	+ 18.6	8 14 31.88	−67.30	+20 10 51.3	....
33	Venus I, C...........	9	49 41.11	− 0.25	−13.67	24 1 49.72	45.225	− 1.82	+ 24.4	9 49 27.19	+ 0.39	+14 49 14.4	....
34	43 H. Cephei S. P........	7	56 23.51	+ 3.02	−13.68	304 37 44.45	47.812	− 1.94	−1 18.2	0 56 12.85	.....	+85 45 56.6	....
35	α Ursæ Minoris S. P.....	9	26 40.11	+11.01	−13.69	307 41 47.42	44.887	− 1.94	−1 10.1	1 26 37.43	.....	+88 49 0.7	....
36	Moon I, N............	9	38 58.56	− 0.27	−13.69	45 21 49.68	44.307	− 1.94	+ 55.2	13 38 44.60	+61.60	− 6 30 55.1	....
37	κ Virginis............	9	8 17.24	− 0.27	**[−13.71]**	48 41 50.70	44.558	− 1.94	+1 2.2	14 8 3.27	.....	− 9 51 8.9	....

Time.	Barom.	Att. Ther.	Ext. Ther
d h m	in.	°	°
17 15 32	29.772	78.8	78.1
15 49	......	....	77.7
16 9	......	....	77.1
16 27	29.786	77.3	76.7
17 22	29.788	76.3	75.8
17 46	......	....	74.9
18 7	29.786	75.0	74.0
18 32	......	....	73.0
18 59	29.790	73.6	72.1
18 0 56	29.816	61.5	58.8
1 26	29.816	61.5	59.3
19 0 53	30.000	59.1	56.7
1 31	30.095	59.0	56.1
6 51	30.094	76.0	76.0
20 0 56	30.030	63.3	62.2
1 27	......	....	62.5
6 58	30.054	79.9	80.2
21 8 3	30.044	80.8	81.9
23 7 21	29.758	74.0	72.9
24 8 15	29.770	75.2	74.3
9 50	29.776	78.0	77.2
12 52	29.778	79.1	80.0
13 35	29.790	78.8	79.1
14 6	......	....	78.1

Micrometer bisections are made at II, VI, except as noted below.

5.	Bisections at I, II.
7, 30, 33.	Bisections at I, II, VI, VII.
9.	Bisections at II, VI, VII.
14, 34.	Bisections at b_4, b_5.
19–23, 25, 26, 35.	Bisections at b_4, b_5, b_6.
24.	Bisections at I, II, VI.
27.	Bisections at I, II, VII.
28, 31.	Bisections at I, II, III.
29, 32.	Bisections at V, VI, VII.
36.	Bisections at II, III, IV, V, VI.

Notes.

7, 26. Unsteady.

34. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
24	+ 2.1	.. ....	+ 0.1	+ 2.2
27	+ 2.1	.. ....	+ 0.1	+ 2.2
28	+ 2.7	+15 45.6	...	+15 48.3
29	+ 2.7	−15 45.6	...	−15 42.9
30	+ 2.0	.. ....	+ 0.1	+ 2.1
31	+ 2.8	+15 46.8	...	+15 49.6
32	+ 2.8	−15 46.7	...	−15 43.9
33	+ 2.3	.. ....	0.0	+ 2.3
36	+38 34.8	−14 51.0	...	+23 43.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Virginis	9	11 29.36	− 0.27	**[−13.75]**	44 23 50.42	47.432	− 1.94	+ 53.5	14 11 15.39	.....	− 5 34 5.6	....
2	μ Virginis	9	38 30.82	− 0.28	**[−13.69]**	44 5 52.75	46.760	− 1.94	+ 53.2	14 38 16.84	.....	− 5 15 52.3	....
3	α Libræ	9	46 5.59	− 0.28	**[−13.68]**	54 29 48.45	46.168	− 1.94	+1 16.9	14 45 51.61	.....	−15 39 58.1	....
4	ξ^2 Libræ	9	52 4.86	− 0.28	**[−13.75]**	49 53 50.68	43.222	− 1.94	+1 5.2	14 51 50.88	.....	−11 2 41.3	....
5	β Libræ	9	12 21.72	− 0.28	**[−13.68]**	47 53 50.92	44.080	− 1.94	+1 0.9	15 12 7.73	.....	− 9 2 56.9	....
6	32 Libræ	9	23 22.68	− 0.29	**[−13.70]**	55 13 50.12	46.325	− 1.94	+1 19.3	15 23 8.68	.....	−16 24 5.8	....
7	α Coronæ Borealis	9	31 5.37	− 0.34	**[−13.63]**	11 49 47.65	45.615	− 1.94	+ 11.6	15 30 51.32	.....	+27 1 20.5	....
8	α Serpentis	9	40 2.46	− 0.30	**[−13.71]**	32 7 48.82	46.235	− 1.94	+ 34.7	15 39 48.45	.....	+ 6 42 42.1	....
9	β Serpentis	9	42 14.57	− 0.31	**[−13.62]**	23 7 48.88	47.470	− 1.94	+ 23.6	15 42 0.55	.....	+15 42 25.0	....
10	γ Serpentis	9	52 30.36	− 0.32	**−13.66**	22 53 50.32	44.455	− 1.94	+ 23.4	15 52 16.32	.....	+15 57 32.6	....
11	ε Coronæ Borealis	9	54 4.61	− 0.34	**[−13.69]**	11 41 47.52	47.655	− 1.94	+ 11.5	15 53 50.55	.....	+27 8 34.0	....
12	γ Herculis	9	18 9.85	− 0.33	**−13.67**	19 29 49.42	43.325	− 1.94	+ 19.6	16 17 55.80	.....	+19 22 3.1	....
13	β Herculis	9	26 34.06	− 0.33	**−13.74**	17 9 48.70	45.365	− 1.94	+ 17.2	16 26 20.01	.....	+21 41 19.6	....
14	σ Ophiuchi	9	22 15.78	− 0.30	**−13.71**	34 37 50.15	44.855	− 1.92	+ 38.4	17 22 1.75	.....	+ 4 13 8.6	....
15	β Ophiuchi	9	39 14.48	− 0.29	**−13.70**	34 13 48.95	47.120	− 1.92	+ 37.9	17 39 0.45	.....	+ 4 36 18.6	....
16	γ Ophiuchi	9	43 35.67	− 0.29	−13.74	36 5 50.90	46.508	− 1.92	+ 40.7	17 43 21.64	− 1.87	+ 2 44 27.8	− 2.0
17	ν Ophiuchi	9	54 17.06	− 0.28	**−13.77**	48 35 50.55	46.235	− 1.92	+1 3.3	17 54 3.04	.....	− 9 45 48.2	....
18	δ Ursæ Minoris	9	2 8.83	− 3.84	−13.74	312 15 46.60	44.552	− 1.92	−1 1.2	18 1 51.25	.....	+86 36 58.7	....
19	η Serpentis	9	16 52.11	− 0.28	**−13.79**	41 45 49.88	45.700	− 1.92	+ 49.9	18 16 38.09	.....	− 2 55 21.9	....
20	3 H. Scuti	9	30 31.46	− 0.27	**−13.78**	47 9 48.98	42.982	− 1.92	+1 0.2	18 30 17.44	.....	− 8 18 29.2	....
21	θ Serpentis	9	51 57.84	− 0.27	**−13.79**	34 45 50.18	44.902	− 1.92	+ 38.8	18 51 43.82	.....	+ 4 5 7.1	....
22	51 H. Cephei s. p.	9	58 1.50	+ 4.44	−13.75	306 3 46.72	46.623	− 1.92	−1 16.2	6 57 52.19	.....	+87 11 33.7	....
	July 25, P.												
23	43 H. Cephei s. p.	8	56 24.34	+ 2.68	.....	304 37 46.28	47.708	− 1.48	−1 18.1	0 56	.....	+85 45 56.6	....
24	α Ursæ Minoris s. p.	9	26 43.56	+10.09	.....	307 41 45.92	44.942	− 1.48	−1 9.9	1 26	.....	+88 49 1.1	....
25	κ Virginis	9	8 17.51	− 0.30	**[−13.96]**	48 41 49.35	44.595	− 1.48	+1 1.9	14 8	.....	− 9 51 8.5	....
26	ι Virginis	9	11 29.64	− 0.30	**[−14.01]**	44 23 49.85	47.412	− 1.48	+ 53.3	14 11	.....	− 5 34 4.8	....
27	Moon I, N	9	24 38.57	− 0.32	−13.95	50 21 47.65	46.750	− 1.48	+1 5.9	14 24 24.30	+62.93	−11 32 0.0	....
28	μ Virginis	9	38 31.07	− 0.31	**[−13.92]**	44 5 51.10	46.800	− 1.48	+ 53.0	14 38	.....	− 5 15 51.8	....
29	α Libræ	9	46 5.87	− 0.31	**[−13.94]**	54 29 47.02	46.200	− 1.48	+1 16.6	14 45	.....	−15 39 57.6	....
30	ξ^2 Libræ	9	52 5.12	− 0.31	**[−13.99]**	49 53 48.28	43.290	− 1.48	+1 4.9	14 51	.....	−11 2 40.6	....
31	32 Libræ	9	23 22.97	− 0.32	**[−13.97]**	55 13 48.50	46.428	− 1.48	+1 19.2	15 23	.....	−16 24 6.9	....
32	γ Libræ	9	30 41.72	− 0.32	**[−13.98]**	53 19 47.32	44.570	− 1.48	+1 13.8	15 30	.....	−14 29 17.8	....
	July 25, M.												
33	43 H. Cephei	7	56 30.01	− 2.39	.....	313 5 46.68	47.210	− 1.32	− 59.9	0 56	.....	+85 45 55.9	....
34	α Ursæ Minoris	9	27 2.00	− 8.35	.....	310 3 47.52	44.672	− 1.32	−1 6.6	1 26	.....	+88 48 59.7	....
35	Mercury II, C	9	40 37.89	− 0.25	−14.11	16 29 51.00	45.855	− 1.39	+ 16.1	7 40 23.53	− 0.19	+22 21 6.6	....
	July 26, M.												
36	Sun I	8	20 26.32	− 0.24	−14.11	19 22	......	....	.....	8 20 11.97	+67.07	.. ..	....
37	Sun II	9	22 40.47	− 0.24	−14.11	... .	......	....	.....	8 22 26.12	−67.08	.. ..	....
38	Venus I, C	9	59 8.39	− 0.24	−14.13	24 51 51.28	46.008	− 1.70	+ 25.0	9 58 54.02	+ 0.37	+13 58 54.3	....
39	Venus II	9	59 9.07	− 0.24	−14.13	... .	......	....	.....	9 58 54.70	− 0.31	.. ..	....
40	43 H. Cephei s. p.	8	56 24.96	+ 2.14	.....	304 37 44.25	47.773	− 1.68	−1 17.9	0 56	.....	+85 45 56.0	....
	July 27, P.												
41	Sun I, N	9	24 23.23	− 0.26	−14.44	19 17 51.02	49.407	− 2.78	+ 19.0	8 24 8.53	+67.09	+19 31 43.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 14 36	29.810	76.7	76.3
14 55	......	....	75.1
15 11	......	....	74.1
15 36	29.814	73.8	73.0
16 0	......	....	72.0
17 20	29.870	70.5	70.0
17 28	......	....	70.0
17 47	......	....	69.0
18 11	......	....	68.0
18 34	29.878	69.0	68.0
19 2	29.880	69.0	68.4
25 12 52	29.976	83.1	84.3
13 35	29.968	82.2	83.8
14 7	......	....	83.0
14 28	29.970	81.0	81.0
14 56	......	....	80.3
15 18	......	....	77.6
15 33	29.974	77.2	77.6
0 56	29.988	66.6	65.8
1 27	......	....	66.1
7 41	30.014	82.7	85.2
26 9 59	29.984	85.8	88.0
12 56	29.950	85.0	85.2

Micrometer bisections are made at II, VI, except as noted below.

6, 11.	Bisections at VI, VII.
9.	Bisection at II.
10.	Bisections at I, II.
18, 22, 24, 33, 34, 40.	Bisections at b_4, b_5, b_6.
23.	Bisections at b_4, b_6.
27.	Bisections at II, III, IV, V, VI.
35, 38.	Bisections at I, II, VI, VII.
41.	Bisections at I, II, III.

Note.

23, 40. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
27	+42 4.2	−14 57.2	...	+27 7.0
35	+ 2.0	.. ....	+ 0.1	+ 2.1
38	+ 2.4	.. ....	0.0	+ 2.4
41	+ 2.8	−15 45.6	...	−15 42.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, S.	9	26 37.40	− 0.26	−14.44	19 49 50.80	48.150	− 2.78	+ 19.6	8 26 22.70	−67.08	+19 0 12.4	....
2	ε Serpentis	9	46 32.92	− 0.29	**[−14.53]**	34 5 48.75	45.190	− 3.02	+ 37.5	15 46 18.12	.....	+ 4 45 4.4	....
3	γ Serpentis	9	52 31.16	− 0.30	**[−14.52]**	22 53 47.12	44.620	− 3.02	+ 23.4	15 52 16.35	.....	+15 57 33.1	....
4	ε Coronæ Borealis	9	54 5.42	− 0.33	**[−14.56]**	11 41 45.78	47.762	− 3.02	+ 11.5	15 53 50.58	.....	+27 8 34.4	....
5	β¹ Scorpii	9	0 25.07	− 0.28	**[−14.64]**	58 23 49.82	44.470	− 3.02	+1 29.8	16 0 10.28	.....	−19 33 32.5	....
6	Moon I, N.	9	4 11.94	− 0.29	−14.51	59 3 48.25	45.732	− 3.02	+1 32.2	16 3 57.14	+67.40	−20 14 2.2	....
7	δ Ophiuchi	9	9 50.86	− 0.28	**−14.53**	42 17 47.95	46.585	− 3.02	+ 50.4	16 9 36.07	.....	− 3 27 39.6	....
8	γ Herculis	9	18 10.59	− 0.31	**−14.47**	19 29 47.72	43.435	− 3.02	+ 19.6	16 17 55.77	.....	+19 22 3.3	....
9	β Herculis	9	26 34.85	− 0.31	**−14.59**	17 9 48.42	45.368	− 3.02	+ 17.2	16 26 20.02	.....	+21 41 20.9	....
10	τ Scorpii	9	30 29.55	− 0.28	−14.52	66 49 50.25	48.680	− 3.02	+2 9.1	16 30 14.75	.....	−28 1 48.4	....
11	ζ Ophiuchi	9	32 25.29	− 0.28	**−14.54**	49 13 48.48	44.385	− 3.02	+1 4.3	16 32 10.49	.....	−10 23 3.8	....
12	49 Herculis	9	48 12.70	− 0.30	−14.52	23 43 49.95	44.168	− 3.02	+ 24.4	16 47 57.88	.....	+15 7 39.6	....
13	η Ophiuchi	9	5 26.21	− 0.28	**−14.59**	54 25 49.62	48.378	− 3.02	+1 17.6	17 5 11.41	.....	−15 36 49.4	....
14	α Herculis	9	10 46.42	− 0.30	**−14.52**	24 21 48.28	44.155	− 3.02	+ 25.2	17 10 31.60	.....	+14 29 40.8	....
15	σ Ophiuchi	9	22 16.53	− 0.29	**−14.49**	34 37 50.10	44.880	− 3.02	+ 38.4	17 22 1.71	.....	+ 4 13 9.2	....
16	β Ophiuchi	9	39 15.27	− 0.29	**−14.50**	34 13 50.10	47.105	− 2.94	+ 37.9	17 39 0.45	.....	+ 4 36 18.8	....
17	γ Ophiuchi	9	43 36.47	− 0.28	−14.53	36 5 50.30	46.548	− 2.94	+ 40.6	17 43 21.66	− 1.86	+ 2 44 28.6	− 2.3
18	ν Ophiuchi	9	54 17.80	− 0.28	**−14.51**	48 35 48.35	46.405	− 2.94	+1 3.2	17 54 2.99	.....	− 9 45 48.7	....
19	72 Ophiuchi	9	3 18.84	− 0.29	**−14.52**	29 17 50.00	45.385	− 2.94	+ 31.3	18 3 4.01	.....	+ 9 33 4.8	....
20	o Herculis	8	4 16.28	− 0.33	**−14.46**	10 5 49.20	46.388	− 2.94	+ 10.0	18 4 1.41	.....	+28 45 3.8	....
21	η Serpentis	8	16 52.89	− 0.28	**−14.57**	41 45 48.72	45.795	− 2.94	+ 49.8	18 16 38.07	.....	− 2 55 21.8	....
22	3 H. Scuti	9	30 32.25	− 0.28	**−14.56**	47 9 49.55	42.970	− 2.94	+1 0.2	18 30 17.43	.....	− 8 18 28.4	....
23	θ Serpentis	9	51 58.62	− 0.29	**−14.54**	34 45 49.58	44.945	− 2.94	+ 38.8	18 51 43.79	.....	+ 4 5 7.8	....
24	π Sagittarii	9	4 38.36	− 0.28	−14.55	59 59 49.45	45.700	− 2.94	+1 36.6	19 4 23.53	.....	−21 10 7.1	....
25	d Sagittarii	9	12 35.83	− 0.28	**−14.56**	57 55 50.10	48.098	− 2.94	+1 29.1	19 12 21.00	.....	−19 6 55.0	....
26	ω Aquilæ	9	13 49.63	− 0.30	**−14.55**	27 23 47.68	48.625	− 2.94	+ 29.0	19 13 34.78	.....	+11 25 55.3	....
27	Uranus C, C.	9	20 30.43	− 0.28	−14.55	61 27 50.62	47.568	− 2.94	+1 42.6	19 20 15.60	.....	−22 38 56.9	....
	July 27, M.												
28	[illegible] Ursæ Minoris	9	27 4.78	− 8.20	−14.57	310 3 48.40	44.718	− 2.83	−1 6.7	1 26 42.01	.....	+88 48 59.4	....
29	Mercury C, C.	9	58 22.81	− 0.29	−14.61	16 57 52.65	47.963	− 2.44	+ 16.6	7 58 7.91	− 0.01	+21 52 17.4	....
	July 28, M.												
30	Sun I, N.	9	28 19.24	− 0.29	−14.62	19 31 52.25	48.498	− 2.73	+ 19.3	8 28 4.33	+66.96	+19 18 3.0	....
31	Sun II, S.	9	30 33.16	− 0.29	−14.62	20 3 51.75	47.263	− 2.73	+ 19.8	8 30 18.25	−66.96	+18 46 31.5	....
32	α Ursæ Minoris s. p.	7	26 45.07	+10.58	−14.64	307 41 46.25	45.000	− 3.16	−1 9.8	1 26 41.01	.....	+88 49 1.2	....
33	α Coronæ Borealis	9	31 6.43	− 0.38	**[−14.71]**	11 49 47.98	45.700	− 3.40	+ 11.5	15 30 51.38	.....	+27 1 19.8	....
34	α Serpentis	9	40 3.41	− 0.34	**[−14 66]**	32 7 47.78	46.395	− 3.40	+ 34.5	15 39 48.40	.....	+ 6 42 41.2	....
35	ε Serpentis	9	46 33.08	− 0.34	**[−14.65]**	34 5 47.85	45.320	− 3.40	+ 37.2	15 46 18.07	.....	+ 4 45 3.0	....
36	γ Serpentis	9	52 31.35	− 0.36	**[−14.66]**	22 53 49.65	44.610	− 3.40	+ 23.2	15 52 16.32	.....	+15 57 31.4	....
37	ε Coronæ Borealis	9	54 5.55	− 0.38	**[−14.66]**	11 41 47.90	47.772	− 3.40	+ 11.4	15 53 50.50	.....	+27 8 32.6	....
38	β¹ Scorpii	9	0 25.22	− 0.34	**[−14.74]**	58 23 48.50	44.622	− 3.40	+1 29.2	16 0 10.21	.....	−19 33 33.7	....
39	ν Scorpii (*mean*)	9	6 58.91	− 0.34	**[−14.75]**	58 3 47.60	44.885	− 3.40	+1 28.0	16 6 43.90	.....	−19 13 37.6	....
40	δ Ophiuchi	9	9 51.04	− 0.34	**−14.66**	42 17 49.10	46.615	− 3.40	+ 50.0	16 9 36.03	.....	− 3 27 40.6	....
41	γ Herculis	9	18 10.83	− 0.36	**−14.67**	19 29 47.35	43.540	− 3.40	+ 19.5	16 17 55.80	.....	+19 22 1.8	....
42	λ Ophiuchi	9	26 35.97	− 0.34	**−14.69**	36 39 47.65	45.455	− 3.40	+ 41.0	16 26 20.95	.....	+ 2 10 56.3	....
43	τ Scorpii	9	30 29.75	− 0.34	−14.68	66 49 48.95	48.862	− 3.40	+2 8.1	16 30 14.73	.....	−28 1 49.9	....
44	24 Scorpii	9	36 35.26	− 0.33	−14.68	56 23 48.60	46.325	− 3.40	+1 22.7	16 36 20.25	− 1.73	−17 34 6.2	+ 4.6
45	49 Herculis	9	48 12.88	− 0.36	−14.68	23 43 48.32	44.335	− 3.40	+ 24.2	16 47 57.84	.....	+15 7 38.0	....
46	Moon I, N.	[illegible]	59 44.70	− 0.34	−14.68	62 13 48.70	44.549	− 3.40	+1 44.3	16 59 29.68	+70.04	−23 23 47.3	....
47	η Ophiuchi	9	5 26.39	− 0.32	**−14.73**	54 25 47.55	48.570	− 3.40	+1 17.0	17 5 11.39	.....	−15 36 50.7	....
48	α Herculis	9	10 46.62	− 0.35	**−14.68**	24 21 48.00	44.250	− 3.40	+ 25.0	17 10 31.58	.....	+14 29 39.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 8 27	29.940	83.5	85.0
15 44	29.920	75.0	73.4
16 12	......	....	73.0
16 41	29.930	74.0	72.5
17 3	......	....	72.0
17 37	29.935	72.5	70.9
18 23	29.940	71.1	69.5
18 45	......	....	69.1
19 10	......	....	69.0
19 23	29.940	70.2	68.8
1 27	29.948	66.4	64.8
7 58	30.010	83.1	85.1
28 8 31	30.006	83.4	86.0
13 27	29.978	84.7	84.7
15 31	29.980	81.0	79.8
16 0	......	....	77.9
16 27	......	....	77.9
16 37	30.000	78.7	....
17 0	......	....	77.2
17 11	......	....	76.8

Micrometer bisections are made at II, VI, except as noted below.

1, 31.	Bisections at V, VI, VII.
3, 25, 36.	Bisections at I, II.
4, 8, 10, 11, 20, 21.	Bisections at VI, VII.
6, 46.	Bisections at II, III, IV, V, VI.
9, 19.	Bisections at I, II, VI.
27.	Bisections at I, II, VI, VII.
28, 32.	Bisections at b_4, b_5, b_6.
29.	Bisections at I, VI, VII.
30.	Bisections at I, II, III.

Note.

10. Micrometer reading decreased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.9	+15 45.7	...	+15 48.6
6	+47 57.1	−15 17.7	...	+32 39.4
27	+ 0.4	.. ....	...	+ 0.4
29	+ 2.0	.. ....	+0.1	+ 2.1
30	+ 2.9	−15 45.7	...	−15 42.8
31	+ 3.0	+15 45.7	...	+15 48.7
46	+50 11.4	−15 31.1	...	+34 40.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Ophiuchi	9	39 15.48	− 0.33	**−14.67**	34 13 47.88	47.282	− 3.42	+ 37.6	17 39 0.46	.....	+ 4 36 17.7	....
2	γ Ophiuchi	9	43 36.64	− 0.33	−14.69	36 5 48.80	46.707	− 3.42	+ 40.3	17 43 21.62	− 1.85	+ 2 44 27.2	− 2.1
3	ν Ophiuchi	9	54 18.02	− 0.32	**−14.70**	48 35 49.48	46.400	− 3.42	+1 2.6	17 54 3.01	.....	− 9 45 48.7	....
4	72 Ophiuchi	9	3 19.06	− 0.34	**−14.70**	29 17 48.12	45.568	− 3.42	+ 31.0	18 3 4.02	.....	+ 9 33 3.3	....
5	o Herculis	9	4 16.56	− 0.38	**−14.70**	10 5 48.62	46.478	− 3.42	+ 9.9	18 4 1.48	.....	+28 45 2.9	....
6	η Serpentis	9	16 53.11	− 0.33	**−14.75**	41 45 47.00	45.950	− 3.42	+ 49.4	18 16 38.08	.....	− 2 55 22.7	....
7	3 H. Scuti	9	30 32.44	− 0.32	**−14.71**	47 9 48.65	43.110	− 3.42	+ 59.6	18 30 17.42	.....	− 8 18 29.7	....
8	θ Serpentis	9	51 58.82	− 0.33	**−14.70**	34 45 47.45	45.135	− 3.42	+ 38.4	18 51 43.79	.....	+ 4 5 6.4	....
9	51 H. Cephei s. p.	8	58 2.89	+ 4.70	−14.71	306 3 46.25	46.592	− 3.42	−1 15.6	6 57 52.88	.....	+87 11 31.6	....
10	λ Ursæ Minoris	5	13 27.42	−13.79	−14.71	309 51 47.38	46.490	− 3.42	−1 6.0	19 12 58.92	.....	+89 0 19.3	....
11	ω Aquilæ	9	13 49.74	− 0.34	**−14.62**	27 23 47.98	48.720	− 3.42	+ 28.8	19 13 34.69	.....	+11 25 53.5	....
12	Uranus C, C	9	20 20.80	− 0.33	−14.71	61 27 49.90	48.522	− 3.42	+1 41.8	19 20 5.76	.....	−22 39 16.7	....
	July 28, P.												
13	α Ursæ Minoris	9	27 7.00	−11.97	−14.78	310 3 46.78	44.773	− 3.13	−1 6.1	1 26 40.25	.....	+88 48 59.4	....
14	Mercury C, C	9	7 17.94	− 0.38	−14.92	17 15 49.12	49.162	− 3.21	+ 16.8	8 7 2.64	− 0.01	+21 33 54.1	....
	July 29, P.												
15	Sun I, S	9	32 14.93	− 0.37	−14.92	20 17 51.05	47.293	− 3.15	+ 19.9	8 31 59.64	+67.00	+18 32 31.6	....
16	Sun II, N	9	34 28.94	− 0.37	−14.92	19 45 49.20	48.617	− 3.15	+ 19.3	8 34 13.65	−67.01	+19 4 4.0	....
17	Venus I, C	9	13 10.64	− 0.36	−14.94	26 9 47.62	46.690	− 3.48	+ 26.2	10 12 55.34	+ 0.39	+12 40 42.9	....
18	43 H. Cephei s. p.	7	56 25.07	+ 4.15	−14.99	304 37 44.60	47.850	− 3.70	−1 16.5	0 56 14.23	.....	+85 45 57.5	....
19	γ Serpentis	9	52 31.74	− 0.40	**[−15.02]**	22 53 47.70	44.665	− 4.27	+ 23.0	15 52 16.32	.....	+15 57 33.2	....
20	ε Coronæ Borealis	9	54 5.95	− 0.44	**[−15.01]**	11 41 46.78	47.778	− 4.28	+ 11.3	15 53 50.49	.....	+27 8 34.6	....
21	γ Herculis	9	18 11.20	− 0.41	**−15.00**	19 29 46.98	43.500	− 4.35	+ 19.3	16 17 55.76	.....	+19 22 4.2	....
22	α Herculis	9	10 47.08	− 0.40	**−15.10**	24 21 47.70	44.245	− 4.36	+ 24.7	17 10 31.64	.....	+14 29 41.1	....
23	σ Ophiuchi	9	22 17.15	− 0.38	**−15.03**	34 37 48.88	45.015	− 4.29	+ 37.7	17 22 1.73	.....	+ 4 13 9.3	....
24	α Ophiuchi	9	30 59.89	− 0.39	**−15.10**	26 13 46.12	44.422	− 4.23	+ 26.9	17 30 44.46	.....	+12 37 36.3	....
25	β Ophiuchi	9	39 15.88	− 0.38	**−15.03**	34 13 47.05	47.308	− 4.18	+ 37.1	17 39 0.46	.....	+ 4 36 19.2	....
26	γ Ophiuchi	9	43 37.07	− 0.37	−15.04	36 5 48.05	46.715	− 4.14	+ 39.8	17 43 21.66	− 1.85	+ 2 44 29.0	− 2.5
27	89 Herculis	9	52 2.23	− 0.44	**−14.98**	12 47 45.88	44.152	− 4.09	+ 12.4	17 51 46.75	.....	+26 3 57.1	....
28	ν Ophiuchi	9	54 18.39	− 0.36	**−15.03**	48 35 49.05	46.485	− 4.07	+1 1.8	17 54 2.98	.....	− 9 45 48.7	....
29	Moon I, S	9	59 24.59	− 0.36	−15.05	64 41 48.60	44.892	− 4.04	+1 54.9	17 59 9.18	+72.36	−25 52 5.0	....
	July 29, M.												
30	Mercury C, C	9	16 12.04	− 0.32	−15.16	17 37 48.42	46.541	− 2.49	+ 17.0	8 15 56.56	− 0.01	+21 12 53.7	....
	July 30, M.												
31	Sun I, S	9	36 9.83	− 0.31	−15.16	20 31 44.60	48.353	− 3.29	+ 20.0	8 35 54.36	+66.76	+18 18 13.8	....
32	Sun II, N	9	38 23.35	− 0.31	−15.16	19 59 44.65	49.603	− 3.29	+ 19.4	8 38 7.88	−66.76	+18 49 46.1	....
33	α Ursæ Minoris s. p.	7	26 44.60	+13.57	−15.20	307 41 37.45	45.243	− 0.20	−1 8.9	1 26 42.97	.....	+88 49 1.8	....
34	α Coronæ Borealis	9	31 6.88	− 0.42	**[−15.15]**	11 49 49.68	45.485	− 0.51	+ 11.3	15 30 51.23	.....	+27 1 20.3	....
35	α Serpentis	9	40 3.96	− 0.37	**[−15.20]**	32 7 49.35	46.205	− 0.51	+ 33.9	15 39 48.36	.....	+ 6 42 41.7	....
36	ε Serpentis	9	46 33.60	− 0.36	**[−15.17]**	34 5 51.50	45.025	− 0.51	+ 36.6	15 46 18.01	.....	+ 4 45 3.8	....
37	γ Serpentis	9	52 31.85	− 0.38	**[−15.16]**	22 53 49.12	44.495	− 0.51	+ 22.9	15 52 16.24	.....	+15 57 32.0	....
38	ε Coronæ Borealis	9	54 6.13	− 0.42	**[−15.23]**	11 41 49.50	47.528	− 0.51	+ 11.3	15 53 50.48	.....	+27 8 33.8	....
39	ν Scorpii (*mean*)	9	6 59.44	− 0.35	**[−15.29]**	58 3 50.40	44.652	− 0.51	+1 26.7	16 6 43.85	.....	−19 13 36.6	....
40	γ Herculis	9	18 11.42	− 0.39	**−15.25**	19 29 48.52	43.282	− 0.51	+ 19.2	16 17 55.79	.....	+19 22 3.9	....
41	λ Ophiuchi	9	26 36.49	− 0.36	**−15.21**	36 40	......	....	. ....	16 26 20.89	.....	+ 2 10	....
42	α Herculis	9	10 47.19	− 0.37	**−15.25**	24 21 49.22	44.062	− 0.36	+ 24.7	17 10 31.57	.....	+14 29 39.8	....
43	σ Ophiuchi	9	22 17.37	− 0.36	**−15.28**	34 37 49.88	44.832	− 0.31	+ 37.6	17 22 1.76	.....	+ 4 13 8.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 17 44	30.000	77.1	76.1
18 17	30.000	76.7	75.2
19 20	30.004	75.0	74.0
1 21	29.970	70.0	69.5
8 6	29.972	89.0	89.4
29 8 34	29.958	89.4	91.3
10 14	29.917	92.0	93.1
12 52	29.848	92.2	93.2
15 49	29.821	84.0	80.6
16 10	......	....	80.0
16 26	......	....	80.1
17 8	29.820	81.0	79.0
17 28	......	....	79.4
18 5	29.812	80.8	79.2
8 16	29.738	88.8	90.3
30 8 38	29.734	90.0	91.0
13 27	29.650	85.5	85.9
15 31	29.646	82.8	82.1
16 0	......	....	80.2
16 24	29.638	80.2	79.0
17 14	29.662	78.8	77.6

Micrometer bisections are made at II, VI, except as noted below.

2, 3, 5.	Bisections at II, VI, VII.
4, 19.	Bisections at I, II.
8.	Bisections at VI, VII.
9, 13, 33.	Bisections at b_4, b_5, b_6.
10.	Bisection at b_3.
12, 14, 17, 30.	Bisections at I, II, VI, VII.
15, 31.	Bisections at I, II, III.
16, 32.	Bisections at V, VI, VII.
18.	Bisections at b_5, b_6.
29.	Bisections at II, III, IV, V, VI.
37.	Bisections at II, III.

Notes.

18. Clouds.
33. Very poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 0.4	.. ....	...	+ 0.4
14	+ 2.0	.. ....	0.0	+ 2.0
15	+ 3.0	+15 46.2	...	+15 49.2
16	+ 2.9	−15 46.1	...	−15 43.2
17	+ 2.6	.. ....	0.0	+ 2.6
29	+52 4.8	+15 45.4	...	+67 50.2
30	+ 2.0	.. ....	0.0	+ 2.0
31	+ 3.0	+15 46.1	...	+15 49.1
32	+ 2.9	−15 46.1	...	−15 43.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ophiuchi	9	30 59.99	− 0.37	**−15.23**	26 13 48.72	44.178	− 0.27	+ 26.9	17 30 44.37	.....	+12 37 35.3	....
2	β Ophiuchi	9	39 16.04	− 0.36	**−15.22**	34 13 49.08	47.075	− 0.24	+ 37.1	17 39 0.43	.....	+ 4 36 18.6	....
3	γ Ophiuchi	9	43 37.26	− 0.35	−15.25	36 5 49.82	46.510	− 0.22	+ 39.8	17 43 21.66	− 1.84	+ 2 44 28.0	− 2.6
4	89 Herculis	9	52 2.43	− 0.40	**−15.23**	12 47 47.15	43.958	− 0.20	+ 12.4	17 51 46.77	.....	+26 3 56.3	....
5	ν Ophiuchi	9	54 18.57	− 0.34	**−15.23**	48 35 48.60	46.318	− 0.19	+1 1.8	17 54 2.97	.....	− 9 45 48.3	....
6	72 Ophiuchi	9	3 19.67	− 0.36	**−15.29**	29 17 48.98	45.375	− 0.16	+ 30.6	18 3 4.05	.....	+ 9 33 4.0	....
7	ο Herculis	9	4 17.13	− 0.42	**−15.25**	10 5 48.72	46.305	− 0.16	+ 9.8	18 4 1.45	.....	+28 45 3.6	....
8	μ Sagittarii	9	8 37.07	− 0.34	−15.26	59 55 48.95	42.895	− 0.14	+1 33.9	18 8 21.47	.....	−21 5 2.6	....
9	η Serpentis	9	16 53.65	− 0.35	**−15.27**	41 45 48.12	45.752	− 0.11	+ 48.7	18 16 38.04	.....	− 2 55 21.9	....
10	λ Sagittarii	9	22 39.19	− 0.34	−15.26	64 17 50.55	45.577	− 0.09	+1 52.9	18 22 23.59	.....	−25 28 24.5	....
11	3 H. Scuti	9	30 33.02	− 0.34	**−15.27**	47 9 48.78	42.995	− 0.07	+ 58.8	18 30 17.42	.....	− 8 18 29.7	....
12	φ Sagittarii	9	40 16.36	− 0.34	−15.27	65 55 50.38	41.872	− 0.03	+2 1.4	18 40 0.75	.....	−27 5 8.2	....
13	θ Serpentis	9	51 59.41	− 0.36	**−15.26**	34 45 49.08	44.898	+ 0.01	+ 37.9	18 51 43.78	.....	+ 4 5 7.3	....
14	Moon I, S	9	2 19.13	− 0.35	−15.27	65 5 45.55	47.251	+ 0.05	+1 57.1	19 2 3.51	+73.79	−26 17 2.2	....
15	ψ Sagittarii	9	10 15.74	− 0.34	−15.27	64 13 49.78	46.735	+ 0.08	+1 52.7	19 10 0.13	.....	−25 24 50.1	....
16	*d* Sagittarii	9	12 36.69	− 0.34	**−15.35**	57 55 49.95	48.072	+ 0.09	+1 27.0	19 12 21.08	.....	−19 6 55.2	....
17	Uranus C, C	9	20 2.09	− 0.34	−15.27	61 29 49.20	44.779	+ 0.11	+1 40.2	19 19 46.48	.....	−22 39 52.4	....
	July 31, L.												
18	Sun I, S	9	40 4.27	− 0.34	−15.55	20 47 52.12	44.132	+ 0.86	+ 20.4	8 39 43.38	+66.70	+18 3 38.2	....
19	Sun II, N	8	42 17.68	− 0.34	−15.55	20 15 51.40	45.430	+ 0.86	+ 19.8	8 42 1.79	−66.71	+18 35 10.1	....
	August 1, P.												
20	Uranus C	.	.. ..	....	.....	61 29 50.75	46.180	− 0.28	+1 42.9	19 19	.....	−22 40 28.3	....
21	*h* Sagittarii	9	31 28.96	− 0.28	.....	63 53 51.02	47.275	− 0.28	+1 54.0	19 31	.....	−25 5 4.7	....
22	*f* Sagittarii	9	41 21.94	− 0.27	.....	58 47 50.25	47.522	− 0.28	+1 32.4	19 41	.....	−19 58 48.0	− 3.5
23	*c* Sagittarii	9	57 22.75	− 0.28	.....	66 47 50.25	43.180	− 0.28	+2 10.0	19 57	.....	−27 57 46.4	....
24	π Capricorni	9	22 25.49	− 0.26	**−16.00**	57 19 49.32	47.145	− 0.28	+1 27.3	20 22	.....	−18 30 33.4	....
25	ρ Capricorni	9	23 58.94	− 0.26	**−15.99**	56 55 51.30	47.842	− 0.28	+1 26.0	20 23	.....	−18 6 50.0	....
26	υ Capricorni	9	35 10.86	− 0.25	.....	57 17 50.30	44.320	− 0.28	+1 27.1	20 34	.....	−18 27 29.6	....
27	θ Capricorni	9	1 8.57	− 0.24	**−15.96**	56 25 50.15	44.700	− 0.28	+1 24.3	21 0	.....	−17 35 35.3	....
28	Moon S	.	.. ..	....	.....	60 45 51.95	44.566	− 0.28	+1 39.9	21 11	.....	−21 55 49.7	....
	August 1, L.												
29	α Ursæ Minoris	9	27 8.39	− 7.92	−16.06	310 3 49.12	44.572	− 0.50	−1 6.8	1 26 44.41	.....	+88 48 59.7	....
30	α Draconis S. P.	9	2 11.68	+ 0.31	.....	283 43 46.32	46.107	− 0.50	−3 45.4	14 1	.....	+64 48 53.3	....
31	β Ursæ Minoris S. P.	9	51 14.04	+ 0.53	.....	293 25 46.35	44.530	− 0.50	−2 8.7	14 50	.....	+74 31 54.1	....
32	γ^2 Ursæ Minoris S. P.	9	21 8.65	+ 0.46	.....	291 3 49.05	44.669	− 0.50	−2 24.1	15 20	.....	+72 9 44.2	....
	August 2, L.												
33	Sun I, N	9	47 50.92	− 0.17	−16.14	20 45 52.55	45.493	+ 0.24	+ 20.9	8 47 34.61	+66.55	+18 5 6.8	....
34	Sun II, S	9	50 4.01	− 0.17	−16.14	21 17 53.10	44.395	+ 0.24	+ 21.5	8 49 47.70	−66.54	+17 33 31.0	....
35	β Ursæ Minoris	9	51 15.34	− 0.71	−16.22	324 19 48.92	46.309	− 0.32	− 39.5	14 50 58.41	.....	+74 31 52.6	....
36	γ^2 Ursæ Minoris	9	21 9.88	− 0.62	−16.23	326 41 50.28	46.628	− 0.32	− 36.3	15 20 53.03	.....	+72 9 40.8	....
37	α Serpentis	9	40 4.82	− 0.25	**[−16.22]**	32 7 53.12	45.935	− 0.32	+ 35.0	15 39 48.34	.....	+ 6 42 42.8	....
38	ε Serpentis	9	46 34.44	− 0.25	**[−16.16]**	34 5 53.42	44.848	− 0.32	+ 37.7	15 46 17.96	.....	+ 4 45 4.6	....
39	ν Scorpi (*mean*)	9	7 0.28	− 0.26	**[−16.26]**	58 3 53.30	44.368	− 0.32	+1 29.3	16 6 43.78	.....	−19 13 35.8	....
40	γ Herculis	9	18 12.19	− 0.25	**−16.20**	19 29 53.15	43.030	− 0.32	+ 19.8	16 17 55.70	.....	+19 22 4.3	....
41	λ Ophiuchi	9	26 37.29	− 0.24	**−16.16**	36 39 54.35	44.928	− 0.32	+ 41.6	16 26 20.81	.....	+ 2 10 57.9	....
42	49 Herculis	9	48 14.27	− 0.24	−16.25	23 43 52.90	43.902	− 0.32	+ 24.6	16 47 57.78	.....	+15 7 39.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 17 49	......	....	77.1
18 14	29.660	78.2	76.8
18 40	......	....	76.6
19 20	29.660	77.3	75.9
31 8 42	29.700	87.0	87.0
1 19 17	29.881	68.9	66.9
19 37	......	....	66.8
20 3	......	....	66.6
20 27	29.883	68.1	66.8
20 58	......	....	66.5
21 13	29.886	68.0	66.4
1 28	29.900	64.7	63.1
2 2	......	....	63.0
2 53	29.926	66.0	64.7
3 23	......	....	66.1
3 50	29.950	68.9	....
2 8 51	30.025	79.0	78.6
14 53	30.048	76.4	75.8
15 22	......	....	74.2
15 48	30.062	74.9	73.1
16 8	......	....	72.2
16 28	......	....	71.4
16 50	30.074	72.1	70.9

Micrometer bisections are made at II, VI, except as noted below.

4, 6, 15. Bisections at I, II.
7. Bisections at VI, VII.
10, 41. Bisections at II, VI, VII.
14, 28. Bisections at II, III, IV, V, VI.
17, 20, 32. Bisections at I, II, VI, VII.
18, 33. Bisections at I, II, III.
19, 34. Bisections at V, VI, VII.
29. Bisections at b_4, b_5, b_6.
30. Bisections at I, II, VI.
31, 35, 36. Bisections at II, III, V, VI.

Note.

30, 32. Image very poor and unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+53 2.1	+15 59.4	...	+69 1.5
17	+ 0.4	.. ....	...	+ 0.4
18	+ 3.1	+15 45.9	...	+15 49.0
19	+ 3.0	−15 45.9	...	−15 42.9
20	+ 0.4	.. ....	...	+ 0.4
28	+52 10.5	+16 21.4	...	+68 31.9
33	+ 3.0	−15 47.8	...	−15 44.8
34	+ 3.1	+15 47.9	...	+15 51.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Herculis	9	10 48.04	− 0.24	**−16.26**	24 21 52.12	43.835	− 0.32	+ 25.4	17 10 31.55	.....	+14 29 41.3	....
2	σ Ophiuchi	9	22 18.14	− 0.24	**−16.19**	34 37 53.45	44.555	− 0.32	+ 38.7	17 22 1.65	.....	+ 4 13 10.3	....
3	α Ophiuchi	9	31 0.83	− 0.24	**−16.22**	26 13 53.78	43.878	− 0.32	+ 27.7	17 30 44.34	.....	+12 37 36.4	....
4	β Ophiuchi	9	39 16.94	− 0.23	**−16.26**	34 13 52.75	46.808	− 0.32	+ 38.2	17 39 0.45	.....	+ 4 36 20.0	....
5	89 Herculis	9	52 3.22	− 0.24	**−16.21**	12 47 52.70	43.632	− 0.32	+ 12.8	17 51 46.72	.....	+26 3 57.9	....
6	ν Ophiuchi	9	54 19.50	− 0.24	**−16.28**	48 35 53.45	45.965	− 0.32	+1 3.7	17 54 3.00	.....	− 9 45 46.9	....
7	72 Ophiuchi	8	3 20.49	− 0.23	**−16.26**	29 17 53.68	45.032	− 0.32	+ 31.6	18 3 4.00	.....	+ 9 33 6.3	....
8	ο Herculis	7	4 17.93	− 0.24	**−16.26**	10 5 53.20	46.000	− 0.32	+ 10.1	18 4 1.43	.....	+28 45 5.9	....
9	η Serpentis	9	16 54.57	− 0.23	**−16.33**	41 45 52.08	45.450	− 0.32	+ 50.2	18 16 38.08	.....	− 2 55 20.3	....
10	θ Serpentis	9	52 0.23	− 0.22	**−16.23**	34 45 52.95	44.615	− 0.26	+ 39.1	18 51 43.74	.....	+ 4 5 9.0	....
11	π Sagittarii	9	4 40.09	− 0.25	−16.27	59 59 53.15	45.348	− 0.26	+1 37.4	19 4 23.57	.....	−21 10 6.2	....
12	d Sagittarii	9	12 37.57	− 0.24	**−16.32**	57 55 53.55	47.762	− 0.26	+1 30.0	19 12 21.05	.....	−19 6 54.3	....
13	ω Aquilæ	9	13 51.27	− 0.23	**−16.27**	27 23 52.12	48.242	− 0.26	+ 29.3	19 13 34.76	.....	+11 25 56.7	....
14	Uranus C, C	9	19 34.66	− 0.25	−16.28	61 29 53.62	46.725	− 0.26	+1 43.7	19 19 18.13	.....	−22 40 44.4	....
15	h Sagittarii	8	31 29.33	− 0.25	−16.28	63 53 53.65	47.074	− 0.26	+1 54.9	19 31 12.80	.....	−25 5 3.6	....
16	54 Sagittarii	9	35 49.53	− 0.24	−16.28	55 19 52.15	46.009	− 0.26	+1 21.5	19 35 33.01	.....	−16 30 4.4	....
17	f Sagittarii	9	41 22.21	− 0.24	−16.28	58 47 52.05	47.338	− 0.26	+1 33.1	19 41 5.69	− 2.39	−19 58 46.3	− 3.5
18	γ Capricorni	9	35 21.94	− 0.24	**−16.30**	55 53 53.05	46.354	− 0.26	+1 23.6	21 35 5.39	.....	−17 4 15.3	....
19	δ Capricorni	9	42 20.12	− 0.24	**−16.38**	55 21 53.00	46.456	− 0.26	+1 22.0	21 42 3.57	.....	−16 32 16.0	....
20	μ Capricorni	9	48 39.01	− 0.24	**−16.34**	52 49 51.02	42.599	− 0.26	+1 14.7	21 48 22.46	.....	−13 58 38.6	....
21	ι Aquarii	9	1 50.29	− 0.24	**−16.40**	53 9 51.72	42.141	− 0.26	+1 15.6	22 1 33.74	.....	−14 18 29.7	....
22	Moon S	.	.. ..	....	.....	56 11 50.88	50.953	− 0.26	+1 24.8	.. ..	.....	−17 23 55.8	....
23	Moon II, N	9	14 22.54	− 0.25	−16.31	55 39 50.68	47.557	− 0.26	+1 23.0	22 14 5.98	−71.42	−16 50 43.6	....
24	σ Aquarii	9	26 8.62	− 0.23	**−16.29**	49 59 53.32	42.309	− 0.26	+1 7.6	22 25 52.07	.....	−11 8 27.2	....
25	τ Aquarii	9	45 5.19	− 0.24	−16.32	52 53 51.82	46.592	− 0.26	+1 15.0	22 44 48.63	− 2.07	−14 4 10.9	−12.2
	August 2, P.												
26	α Ursæ Minoris	8	27 8.92	− 7.31	−16.29	310 3 50.40	44.502	− 0.42	−1 7.5	1 26 45.32	.....	+88 49 0.7	....
27	β Ursæ Minoris s. p.	9	51 14.30	+ 0.48	−16.31	293 25 48.12	44.433	− 0.42	−2 10.2	14 50 58.47	.....	+74 31 52.6	....
	August 3, P.												
28	Sun I, N	9	51 43.53	− 0.23	−16.38	21 1 51.88	44.237	− 0.17	+ 21.5	8 51 26.92	+66.42	+17 49 36.0	....
29	Sun II, S	9	53 56.37	− 0.23	−16.38	21 33 51.15	43.052	− 0.17	+ 22.1	8 53 39.76	−66.42	+17 18 3.5	....
	August 4, L.												
30	Sun I, S	9	55 35.29	− 0.17	−16.74	21 47 52.52	47.702	− 0.55	+ 22.3	8 55 18.38	+66.45	+17 2 15.7	....
31	Sun II, N	9	57 48.19	− 0.17	−16.74	21 15 52.48	48.748	− 0.55	+ 21.7	8 57 31.28	−66.45	+17 33 52.8	....
32	α Ursæ Minoris s. p.	9	26 58.22	+ 6.84	−16.79	307 41 50.92	44.870	− 0.85	−1 11.0	1 26 48.27	.....	+88 49 4.0	....
33	α Draconis	9	2 13.02	− 0.43	−16.80	334 3 50.65	43.158	− 0.85	− 26.8	14 1 55.79	.....	+64 48 50.8	....
34	β Ursæ Minoris	9	51 15.63	− 0.63	−16.81	324 19 50.62	46.264	− 0.85	− 39.6	14 50 58.19	.....	+74 31 52.5	....
35	γ² Ursæ Minoris	9	21 10.13	− 0.56	−16.82	326 41 51.22	46.598	− 0.85	− 36.3	15 20 52.75	.....	+72 9 41.1	....
36	49 Herculis	9	48 14.83	− 0.23	−16.84	23 43 54.92	43.835	− 0.85	+ 24.6	16 47 57.76	.....	+15 7 39.9	....
37	α Herculis	9	10 48.63	− 0.23	**−16.88**	24 21 53.98	43.782	− 1.12	+ 25.4	17 10 31.56	.....	+14 29 41.5	....
38	σ Ophiuchi	9	22 18.76	− 0.22	**−16.85**	34 37 54.08	44.558	− 1.12	+ 38.7	17 22 1.70	.....	+ 4 13 10.4	....
39	α Ophiuchi	9	31 1.41	− 0.23	**−16.83**	26 13 54.80	43.852	− 1.12	+ 27.7	17 30 44.34	.....	+12 37 36.8	....
40	β Ophiuchi	9	39 17.49	− 0.22	**−16.84**	34 13 53.10	46.812	− 1.12	+ 38.2	17 39 0.42	.....	+ 4 36 20.3	....
41	89 Herculis	9	52 3.80	− 0.24	**−16.81**	12 47 53.22	43.632	− 1.12	+ 12.8	17 51 46.71	.....	+26 3 58.2	....
42	ν Ophiuchi	9	54 20.05	− 0.23	**−16.85**	48 35 55.08	45.938	− 1.12	+1 3.7	17 54 2.97	.....	− 9 45 47.1	....
43	δ Ursæ Minoris	9	2 7.78	− 2.34	−16.85	312 16 0.10	43.855	− 1.12	−1 1.6	18 1 48.59	.....	+86 37 0.7	....
44	η Serpentis	9	16 55.07	− 0.23	**−16.84**	41 45 53.90	45.420	− 1.12	+ 50.3	18 16 37.99	.....	− 2 55 20.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 17 14	......	....	70.0
17 33	......	....	69.2
17 46	30.074	70.2	69.0
18 17	......	....	67.9
18 54	30.074	68.2	67.0
19 20	......	....	66.1
19 42	30.070	67.4	65.9
21 33	30.062	65.3	63.9
22 5	......	....	63.2
22 46	30.060	64.9	63.1
1 21	30.080	63.0	61.0
2 52	30.094	63.0	61.5
3 8 54	30.120	73.2	72.3
4 8 58	29.974	74.0	72.8
13 27	29.900	75.9	75.1
14 3	......	....	74.3
14 53	29.888	74.0	72.7
15 22	......	....	71.3
16 45	29.882	69.0	67.8
17 11	......	....	66.9
17 34	......	....	66.1
17 47	29.892	67.2	65.7

Micrometer bisections are made at II, VI, except as noted below.

7, 12.	Bisections at I, II.
8.	Bisections at VI, VII.
11, 14–21, 24, 25.	Bisections at I, II, VI, VII.
22, 28, 30.	Bisections at I, II, III.
23, 29, 31.	Bisections at V, VI, VII.
26, 27, 32, 43.	Bisections at b_4, b_5, b_6.
33–35.	Bisections at II, III, V, VI.

Notes.

15, 17–19. Clouds.
22. Micrometer reading increased 1 rev.
32. Very unsteady.
33. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+ 0.4	.. ....	...	+ 0.4
22	+49 58.8	+16 26.7	− 0.9	+66 24.6
23	+49 39.1	−16 26.7	...	+33 12.4
28	+ 3.1	−15 46.2	...	−15 43.1
29	+ 3.2	+15 46.2	...	+15 49.4
30	+ 3.2	+15 48.5	...	+15 51.7
31	+ 3.1	−15 48.5	...	−15 45.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	109 Herculis	9	20 8.17	− 0.23	**−16.82**	17 7 53.08	43.925	− 1.12	+ 17.4	18 19 51.09	.....	+21 43 47.1	....
2	3 H. Scuti	9	30 34.45	− 0.23	**−16.83**	47 9 54.68	42.622	− 1.12	+1 0.7	18 30 17.36	.....	− 8 18 28.0	....
3	110 Herculis	9	42 3.76	− 0.23	**−16.88**	18 23 53.15	44.278	− 1.12	+ 18.8	18 41 46.67	.....	+20 27 37.5	....
4	*θ* Serpentis	9	52 0.89	− 0.22	**−16.89**	34 45 53.92	44.605	− 1.12	+ 39.1	18 51 43.81	.....	+ 4 5 9.1	....
5	51 H. Cephei s. p.	7	58 9.00	+ 2.63	−16.86	306 4	......	....	.....	6 57 54.77	.....	+87 11	....
6	*π* Sagittarii	9	4 40.65	− 0.24	−16.86	59 59 53.95	45.360	− 1.12	+1 37.4	19 4 23.55	.....	−21 10 6.4	....
7	*d* Sagittarii	9	12 38.19	− 0.24	**−16.94**	57 55 54.08	47.778	− 1.12	+1 29.9	19 12 21.08	.....	−19 6 54.3	....
8	*ω* Aquilæ	9	13 51.84	− 0.23	**−16.83**	27 23 53.92	48.195	− 1.12	+ 29.3	19 13 34.74	.....	+11 25 56.8	....
9	Uranus C, C	9	19 16.77	− 0.24	−16.87	61 29 53.92	48.295	− 1.12	+1 43.6	19 18 59.66	.....	−22 41 19.6	....
10	*h* Sagittarii	9	31 29.88	− 0.24	−16.87	63 53 54.28	47.081	− 1.12	+1 54.8	19 31 12.77	.....	−25 5 3.5	....
11	54 Sagittarii	9	35 50.13	− 0.23	−16.87	55 19 53.28	46.010	− 1.12	+1 21.5	19 35 33.03	.....	−16 30 4.7	....
12	*f* Sagittarii	9	41 22.83	− 0.24	−16.87	58 47 53.08	47.342	− 1.12	+1 33.0	19 41 5.72	− 2.40	−19 58 46.4	− 3.5
13	30 Piscium	9	57 36.47	− 0.20	−16.93	45 21 54.20	44.145	− 0.94	+ 57.2	23 57 19.34	.....	− 6 30 58.9	....
14	33 Piscium	9	0 59.56	− 0.20	**−16.91**	45 3 53.92	43.670	− 0.94	+ 56.6	0 0 42.43	.....	− 6 12 47.2	....
15	Moon II, N	9	9 17.76	− 0.20	−16.93	43 45 53.48	44.534	− 0.94	+ 54.1	0 9 0.63	−68.48	− 4 55 4.1	....
16	*ι* Ceti	9	15 6.33	− 0.20	**−16.90**	48 9 53.02	45.228	− 0.94	+1 3.1	0 14 49.20	.....	− 9 19 28.4	....
17	12 Ceti	9	25 42.47	− 0.20	**−16.95**	43 17 54.02	45.418	− 0.94	+ 53.3	0 25 25.34	.....	− 4 27 24.0	....
18	13 Ceti	9	30 52.63	− 0.20	−16.93	42 55 52.75	45.545	− 0.94	+ 52.6	0 30 35.50	.....	− 4 5 24.9	....
19	20 Ceti	9	48 40.03	− 0.20	**−16.95**	40 29 53.15	42.260	− 0.94	+ 48.3	0 48 22.89	.....	− 1 38 6.0	....
20	*α* Ursæ Minoris	9	27 11.11	− 6.60	−16.94	310 3 49.92	44.523	− 0.94	−1 7.0	1 26 47.57	.....	+88 49 0.7	....
21	*β* Ursæ Minoris s. p.	9	51 14.78	+ 0.45	−16.96	293 25 48.30	44.471	− 0.94	−2 9.0	14 50 58.27	.....	+74 31 54.0	....
	August 5, P.												
22	Sun I, S	8	59 26.66	− 0.22	−17.01	22 3 53.00	47.745	− 0.17	+ 22.1	8 59 9.43	+66.39	+16 46 14.1	....
23	Sun II, N	9	1 39.43	− 0.22	−17.01	21 31 52.52	48.927	− 0.17	+ 21.5	9 1 22.20	−66.38	+17 17 48.5	....
24	*δ* Piscium	9	44 16.62	− 0.22	**−17.24**	31 45 52.38	43.805	− 1.55	+ 34.8	0 43 59.15	.....	+ 7 5 33.6	....
25	20 Ceti	9	48 40.44	− 0.22	**−17.31**	40 27 52.52	47.585	− 1.53	+ 48.0	0 48 22.97	.....	− 1 38 6.1	....
26	*ε* Piscium	9	58 32.12	− 0.22	**−17.27**	31 25 51.45	47.480	− 1.49	+ 34.4	0 58 14.65	.....	+ 7 24 10.9	....
27	Moon II, N	9	3 57.07	− 0.23	−17.25	37 15 52.55	45.755	− 1.46	+ 42.8	1 3 39.59	−67.86	+ 1 34 40.7	...
28	*ζ*¹ Piscium	9	9 17.39	− 0.22	**−17.18**	31 45 51.45	43.140	− 1.43	+ 34.8	1 8 59.92	.....	+ 7 5 49.6	....
29	*f* Piscium	9	13 25.08	− 0.22	−17.25	35 41 51.82	46.880	− 1.41	+ 40.4	1 13 7.61	.....	+ 3 8 18.2	....
30	*α* Ursæ Minoris	9	27 15.17	− 7.86	−17.26	310 3 49.35	44.515	− 1.34	−1 6.6	1 26 50.05	.....	+88 49 1.5	....
31	*ν* Piscium	9	37 0.39	− 0.22	**[−17.22]**	33 49 50.80	43.070	− 1.30	+ 37.7	1 36 42.91	.....	+ 5 1 48.8	....
32	*α* Draconis s. p.	9	2 12.89	+ 0.31	−17.26	283 43 48.38	45.823	− 1.18	−3 44.5	14 1 55.94	.....	+64 48 49.5	....
33	*β* Ursæ Minoris s. p.	9	51 15.01	+ 0.54	−17.27	293 25 48.42	44.395	− 0.95	−2 8.5	14 50 58.28	.....	+74 31 53.2	....
34	*γ*² Ursæ Minoris s. p.	9	21 9.92	+ 0.46	−17.28	291 3 49.75	44.550	− 0.80	−2 23.8	15 20 53.10	.....	+72 9 42.9	....
	August 6, L.												
35	*α* Ursæ Minoris s. p.	8	26 58.95	+ 9.14	−17.44	307 41 52.28	44.743	− 0.33	−1 10.1	1 26 50.65	.....	+88 49 3.9	....
36	*α* Draconis	9	2 13.69	− 0.56	−17.45	334 3 53.00	43.039	− 0.35	− 26.4	14 1 55.68	.....	+64 48 50.3	....
37	*β* Ursæ Minoris	9	51 16.47	− 0.82	−17.46	324 19 53.55	46.089	− 0.50	− 39.0	14 50 58.19	.....	+74 31 52.7	....
38	*σ* Ophiuchi	9	22 19.44	− 0.28	**−17.49**	34 37 57.90	44.425	− 0.84	+ 38.2	17 22 1.67	.....	+ 4 13 9.8	....
39	*ν* Ophiuchi	9	54 20.75	− 0.28	**−17.51**	48 35 59.60	45.785	− 0.84	+1 2.7	17 54 2.97	.....	− 9 45 47.4	....
40	*δ* Ursæ Minoris	6	2 8.65	− 3.35	−17.50	312 16	......	....	.....	18 1 47.80	.....	+86 37	....
41	*o* Herculis	9	4 19.21	− 0.32	**−17.50**	10 5 58.48	45.800	− 0.84	+ 9.9	18 4 1.39	.....	+28 45 6.0	....
42	3 H. Scuti	9	30 35.12	− 0.28	**−17.46**	47 7 57.08	47.805	− 0.84	+ 59.8	18 30 17.33	.....	− 8 18 28.2	....
43	110 Herculis	9	42 4.51	− 0.30	**−17.57**	18 23 55.95	44.122	− 0.84	+ 18.5	18 41 46.70	.....	+20 27 38.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 18 31	......	....	64.2
18 47	29.890	66.0	64.1
19 5	......	....	63.5
19 20	......	....	63.7
19 40	29.884	64.7	63.2
23 55	29.830	62.9	61.3
0 15	......	....	61.3
0 49	29.828	62.4	61.1
1 28	29.828	62.0	60.7
2 52	29.830	63.0	61.9
5 9 2	29.834	78.7	80.7
0 41	29.784	65.0	63.7
0 55	......	....	63.3
1 21	......	....	63.2
1 42	29.791	64.9	63.1
2 8	......	....	63.1
2 53	29.800	64.8	63.3
3 24	29.806	65.3	64.9
6 13 27	29.870	81.3	81.0
14 3	......	....	80.2
14 53	29.864	79.7	79.0
17 23	29.908	75.1	74.1
17 55	......	....	73.4
18 31	......	....	72.1
18 43	29.910	73.3	72.1

Micrometer bisections are made at II, VI, except as noted below.

6, 9–12. Bisections at I, II, VI, VII.
7. Bisections at I, II.
15, 27. Bisections at II, III, IV, V, VI.
20, 30, 32–35. Bisections at b_4, b_5, b_6.
21, 36, 37. Bisections at II, III, V, VI.
22. Bisections at I, II, III.
23. Bisections at V, VI, VII.

Notes.

17, 20. Clouds.
35. Clouds; very faint at times.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 0.4	.. ....	...	+ 0.4
15	+41 30.5	−16 26.1	...	+25 4.4
22	+ 3.2	+15 47.2	...	+15 50.4
23	+ 3.2	−15 47.2	...	−15 44.0
27	+36 6.4	−16 20.4	...	+19 46.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Serpentis	9	52 1.57	− 0.28	**−17.52**	34 45 56.52	44.508	− 0.84	+ 38.5	18 51 43.78	.....	+ 4 5 9.0	....
2	51 H. Cephei s. p.	7	58 9.71	+ 3.79	−17.51	306 4	......	....	. ....	6 57 55.99	.....	+87 11	....
3	π Sagittarii	9	4 41.33	− 0.29	−17.52	59 59 56.58	45.338	− 0.84	+1 36.0	19 4 23.52	.....	−21 10 7.4	....
• 4	d Sagittarii	9	12 38.88	− 0.28	**−17.59**	57 55 57.32	47.700	− 0.84	+1 28.6	19 12 21.08	.....	−19 6 54.7	....
5	ω Aquilæ	9	13 52.57	− 0.29	**−17.50**	27 23 55.75	48.135	− 0.84	+ 28.9	19 13 34.76	.....	+11 25 56.5	....
6	Uranus C, C	9	18 59.33	− 0.29	−17.52	61 31 57.05	44.449	− 0.84	+1 42.2	19 18 41.52	.....	−22 41 53.8	....
7	h Sagittarii	9	31 30.55	− 0.29	−17.52	63 53 56.72	47.069	− 0.84	+1 53.2	19 31 12.74	.....	−25 5 4.3	....
8	54 Sagittarii	9	35 50.81	− 0.28	−17.52	55 19 56.10	45.944	− 0.84	+1 20.4	19 35 33.01	.....	−16 30 5.2	....
9	f Sagittarii	9	41 23.59	− 0.29	−17.52	58 47 55.95	47.274	− 0.84	+1 31.8	19 41 5.78	− 2.40	−19 58 46.8	−3.5
10	ε Piscium	9	58 32.47	− 0.25	**−17.57**	31 25 55.80	47.300	− 0.60	+ 34.3	0 58 14.63	.....	+ 7 24 9.9	....
11	α Ursæ Minoris	7	27 17.16	− 8.70	−17.60	310 3 53.52	44.322	− 0.60	−1 6.3	1 26 50.86	.....	+88 49 0.7	....
12	π Piscium	8	32 35.51	− 0.26	**−17.56**	27 9 55.95	46.102	− 0.60	+ 28.8	1 32 17.65	.....	+11 40 42.5	....
13	ν Piscium	9	37 0.83	− 0.25	**−17.60**	33 49 55.78	42.818	− 0.60	+ 37.6	1 36 42.98	.....	+ 5 1 49.0	....
14	ο Piscium	9	40 54.33	− 0.25	**−17.58**	30 7 57.28	47.360	− 0.60	+ 32.6	1 40 36.48	.....	+ 8 42 8.7	....
15	ξ Piscium	9	49 9.71	− 0.25	**[−17.61]**	36 5 57.12	46.100	− 0.60	+ 40.9	1 48 51.86	.....	+ 2 44 29.4	....
16	Moon II, N	9	58 7.74	− 0.26	−17.60	30 57 57.75	46.666	− 0.60	+ 33.7	1 57 49.88	−67.94	+ 7 52 22.9	....
17.	α Draconis s. p.	9	2 13.02	+ 0.33	−17.60	283 43 50.65	45.829	− 0.60	−3 44.0	14 1 55.75	.....	+64 48 52.8	....
18	ξ^1 Ceti	9	8 29.46	− 0.25	**[−17.56]**	30 25 55.85	44.235	− 0.60	+ 33.0	2 8 11.60	.....	+ 8 25 21.2	....
19	β Ursæ Minoris s. p.	9	51 15.16	+ 0.58	−17.62	293 25 50.72	44.338	− 0.60	−2 8.1	14 50 58.12	.....	+74 31 54.6	....
20	γ^2 Ursæ Minoris s. p.	9	21 9.89	+ 0.50	−17.62	291 3 52.02	44.468	− 0.60	−2 23.6	15 20 52.77	.....	+72 9 43.4	....
	August 7, P.												
21	Sun I, N	9	7 7.82	− 0.31	−17.64	22 6 23.65	44.710	− 0.87	+ 22.1	9 6 49.87	+66.15	+16 44 53.5	....
22	Sun II, S	9	9 20.12	− 0.31	−17.64	22 38 24.28	43.575	− 0.87	+ 22.7	9 9 2.17	−66.15	+16 13 18.5	....
23	Mercury C, C	9	24 25.94	− 0.31	−17.64	21 44 24.22	44.230	− 0.87	+ 21.7	9 24 7.99	0.00	+17 7 4.4	....
24	α Ursæ Minoris s. p.	9	26 57.50	+12.68	−17.70	307 41 49.32	44.862	− 1.10	−1 9.6	1 26 52.48	.....	+88 49 3.4	....
25	α Draconis	9	2 14.28	− 0.73	−17.70	334 3 48.60	43.244	− 1.18	− 26.3	14 1 55.85	.....	+64 48 50.5	....
26	β Ursæ Minoris	9	51 16.92	− 1.11	−17.71	324 19 48.00	46.305	− 1.39	− 38.8	14 50 58.10	.....	+74 31 53.5	....
27	γ^2 Ursæ Minoris	9	21 11.59	− 0.99	−17.72	326 41 48.32	46.679	− 1.52	− 35.7	15 20 52.88	.....	+72 9 41.7	....
28	λ Ophiuchi	9	26 38.93	− 0.36	**[−17.74]**	36 39 49.65	45.240	− 1.81	+ 40.9	16 26 20.84	.....	+ 2 10 57.7	....
29	49 Herculis	9	48 15.79	− 0.37	−17.74	23 43 50.60	44.090	− 1.64	+ 24.2	16 47 57.68	.....	+15 7 39.6	....
30	α Herculis	9	10 49.56	− 0.36	**−17.72**	24 21 52.08	43.902	− 1.64	+ 25.0	17 10 31.46	.....	+14 29 41.6	....
31	σ Ophiuchi	9	22 19.72	− 0.34	**−17.72**	34 37 51.80	44.735	− 1.64	+ 38.1	17 22 1.63	.....	+ 4 13 9.7	....
32	α Ophiuchi	9	31 2.43	− 0.35	**−17.76**	26 13 51.78	44.005	− 1.64	+ 27.2	17 30 44.33	.....	+12 37 37.3	....
33	β Ophiuchi	9	39 18.47	− 0.34	**−17.72**	34 13 52.20	46.915	− 1.64	+ 37.6	17 39 0.38	.....	+ 4 36 20.0	....
34	ν Ophiuchi	9	54 21.02	− 0.32	**−17.75**	48 35 50.30	46.242	− 1.64	+1 2.5	17 54 2.95	.....	− 9 45 47.6	....
35	δ Ursæ Minoris	9	2 9.39	− 4.25	−17.76	312 15 47.90	44.332	− 1.64	−1 0.4	18 1 47.38	.....	+86 37 1.3	....
36	η Serpentis	9	16 56.04	− 0.32	**−17.73**	41 45 50.88	45.622	− 1.64	+ 49.3	18 16 37.96	.....	− 2 55 20.8	....
37	109 Herculis	9	20 9.23	− 0.36	**−17.77**	17 7 51.32	44.030	− 1.64	+ 17.1	18 19 51.11	.....	+21 43 47.3	....
38	3 H. Scuti	9	30 35.46	− 0.31	**−17.77**	47 7 51.75	48.108	− 1.64	+ 59.5	18 30 17.39	.....	− 8 18 28.7	....
39	110 Herculis	9	42 4.78	− 0.35	**−17.79**	18 23 51.38	44.360	− 1.64	+ 18.4	18 41 46.67	.....	+20 27 38.4	....
40	θ Serpentis	9	52 1.87	− 0.32	**−17.79**	34 45 51.82	44.745	− 1.64	+ 38.4	18 51 43.78	.....	+ 4 5 9.2	....
41	51 H. Cephei s. p.	9	58 9.33	+ 4.83	−17.77	306 3 49.12	46.280	− 1.64	−1 15.5	6 57 56.39	.....	+87 11 29.0	....
42	d Sagittarii	9	12 39.09	− 0.30	**−17.78**	57 55 50.92	48.055	− 1.64	+1 28.2	19 12 21.02	.....	−19 6 55.2	....
43	δ Aquilæ	9	21 14.84	− 0.31	**−17.77**	35 53 52.18	47.560	− 1.64	+ 40.1	19 20 56.76	.....	+ 2 56 2.8	....
44	κ Aquilæ	9	32 20.14	− 0.30	**−17.80**	46 3 51.72	46.302	− 1.64	+ 57.5	19 32 2.07	.....	− 7 13 45.4	..
45	α Ursæ Minoris	9	27 21.78	−11.14	−17.85	310 3 49.70	44.487	− 1.67	−1 6.2	1 26 52.79	.....	+88 49 1.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 19 7	......	....	71.2
19 21	......	....	71.0
19 42	29.914	72.0	70.2
0 59	29.910	68.3	67.6
1 28	......	....	67.1
1 46	......	....	67.0
2 4	......	....	66.4
2 10	29.922	67.7	66.4
2 53	......	....	67.0
3 21	29.932	68.7	68.0
7 9 9	29.994	83.1	84.5
9 24	30.000	83.8	85.0
13 20	29.981	86.0	87.0
14 3	......	....	85.5
14 54	29.976	84.0	83.5
15 23	29.977	83.0	82.1
16 24	29.986	80.0	79.0
17 15	29.981	78.0	76.9
17 38	......	....	76.6
17 58	......	....	76.2
18 25	29.993	76.4	75.9
18 51	......	....	75.0
19 7	......	....	75.0
19 34	29.997	75.5	74.5
1 21	29.972	70.2	69.1

Micrometer bisections are made at II, VI, except as noted below.

3, 6–9, 23, 25–27.	Bisections at I, II, VI, VII.
4, 42.	Bisections at I, II.
11, 24, 35, 45.	Bisections at b_4, b_5, b_6.
12.	Bisections at VI, VII.
16.	Bisections at II, III, IV, V, VI.
17, 19, 20.	Bisections at II, III, V, VI.
21.	Bisections at I, II, III.
22.	Bisections at V, VI, VII.
41.	Bisections at b_2, b_3, b_4.

Note.

20. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 0.4	.. ....	...	+ 0.4
16	+30 24.6	−16 12.2	...	+14 12.4
21	+ 3.2	−15 47.5	...	−15 44.3
22	+ 3.3	+15 47.4	...	+15 50.7
23	+ 2.4	.. ....	0.0	+ 2.4

No,	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Draconis s. p.	9	2 13.26	+ 0.42	−17.86	283 43 47.45	45.867	− 1.52	−3 43.2	14 1 55.82	.....	+64 48 50.6	....
2	θ Arietis	9	13 23.02	− 0.30	−17.86	19 21 51.50	46.220	− 1.47	+ 19.7	2 13 4.86	− 1.16	+19 28 54.3	− 5.4
3	ξ^2 Ceti	9	23 38.38	− 0.28	**[−17.87]**	30 47 52.00	44.548	− 1.42	+ 33.4	2 23 20.24	.....	+ 8 3 18.3	....
4	ν Ceti	9	31 24.99	− 0.28	**[−17.84]**	33 39 51.88	42.635	− 1.38	+ 37.3	2 31 6.85	.....	+ 5 11 58.2	....
5	ν Arietis	9	33 58.00	− 0.30	**[−17.82]**	17 17 52.12	42.962	− 1.38	+ 17.5	2 33 39.84	.....	+21 34 10.2	....
6	μ Ceti	9	40 20.44	− 0.28	**[−17.89]**	29 7 52.38	42.910	− 1.35	+ 31.2	2 40 2.29	.....	+ 9 43 57.5	....
7	Moon II, N	9	52 53.07	− 0.30	−17.87	25 13 51.70	47.291	− 1.29	+ 26.4	2 52 34.90	−68.62	+13 36 22.7	....
8	δ Arietis	9	6 44.41	− 0.30	**[−17.82]**	19 27 52.30	45.778	− 1.23	+ 19.8	3 6 26.24	.....	+19 23 3.2	....
9	γ^2 Ursæ Minoris s. p.	9	21 9.97	+ 0.64	−17.88	291 3 48.30	44.612	− 1.16	−2 23.3	15 20 52.73	.....	+72 9 43.0	....
	August 8, L.												
10	α Ursæ Minoris	9	27 20.67	−10.94	−18.20	310 3 48.72	44.503	− 1.36	−1 5.7	1 26 51.53	.....	+88 49 1.5	....
11	α Draconis s. p.	9	2 13.27	+ 0.42	−18.21	283 43 54.15	45.521	− 1.36	−3 41.5	14 1 55.48	.....	+64 48 51.0	....
12	41 Arietis	8	44 57.01	− 0.32	**[−18.17]**	11 57 51.55	45.808	− 1.36	+ 11.8	2 44 38.47	.....	+26 53 11.4	....
13	β Ursæ Minoris s. p.	8	51 15.33	+ 0.74	−18.22	293 26	....	....	.....	14 50 57.85	.....	+74 31	....
14	δ Arietis	9	6 44.81	− 0.30	**[−18.19]**	19 27 53.05	45.748	− 1.36	+ 19.6	3 6 26.29	.....	+19 23 3.5	....
15	ζ Arietis	9	9 59.50	− 0.30	**[−18.20]**	18 7 52.98	47.188	− 1.36	+ 18.2	3 9 40.98	.....	+20 42 32.1	....
16	η Tauri	5	42 23.60	− 0.31	**[−18.18]**	15 1 53.18	44.725	− 1.36	+ 14.9	3 42 5.06	.....	+23 49 31.4	....
17	Moon II, N	9	48 59.84	− 0.31	−18.24	20 23 52.02	44.848	− 1.36	+ 20.6	3 48 41.29	−69.63	+18 27 24.0	....
18	λ Tauri	9	55 57.32	− 0.28	**[−18.15]**	26 35 51.95	47.838	− 1.36	+ 27.7	3 55 38.81	.....	+12 14 8.8	....
19	*A* Tauri	9	59 37.91	− 0.30	**[−18.16]**	17 1 51.65	43.178	− 1.36	+ 17.0	3 59 19.38	.....	+21 50 6.2	....
	August 9, L.												
20	Sun I, N	9	14 46.57	− 0.27	−18.31	22 40 6.70	43.340	− 0.34	+ 22.3	9 14 27.99	+65.97	+16 10 55.3	....
21	Sun II, S	9	16 58.50	− 0.27	−18.31	23 11 52.38	44.985	− 0.34	+ 22.9	9 16 39.92	−65.96	+15 39 17.5	....
22	Mercury C, C	9	40 10.54	− 0.27	−18.32	23 1 52.85	44.516	− 0.34	+ 22.7	9 39 51.95	0.00	+15 49 27.7	....
23	49 Herculis	9	48 16.44	− 0.38	−18.40	23 43 50.82	44.022	− 1.22	+ 23.7	16 47 57.66	.....	+15 7 41.0	....
24	α Herculis	9	10 50.19	− 0.38	**−18.35**	24 21 51.08	43.900	− 1.22	+ 24.5	17 10 31.40	.....	+14 29 42.7	....
25	α Ophiuchi	9	31 3.09	− 0.37	**−18.42**	26 13 52.48	43.965	− 1.22	+ 26.7	17 30 44.31	.....	+12 37 37.6	....
26	β Ophiuchi	9	39 19.16	− 0.36	**−18.41**	34 13 50.90	46.980	− 1.22	+ 36.8	17 39 0.39	.....	+ 4 36 20.2	....
27	ν Ophiuchi	9	54 21.76	− 0.35	**−18.48**	48 35 52.28	46.185	− 1.22	+1 1.4	17 54 2.99	.....	− 9 45 47.6	....
28	δ Ursæ Minoris	6	2 10.17	− 4.75	−18.42	312 15 45.48	44.342	− 1.22	− 59.3	18 1 47.00	.....	+86 37 2.0	....
29	ο Herculis	9	4 20.22	− 0.42	**−18.44**	10 5 52.15	46.095	− 1.22	+ 9.7	18 4 1.38	.....	+28 45 6.2	....
30	η Serpentis	9	16 56.72	− 0.35	**−18.40**	41 45 50.88	45.615	− 1.22	+ 48.4	18 16 37.95	.....	− 2 55 20.2	....
31	109 Herculis	9	20 9.82	− 0.40	**−18.34**	17 7 51.20	44.012	− 1.22	+ 16.7	18 19 51.00	.....	+21 43 47.8	....
32	3 H. Scuti	9	30 36.16	− 0.35	**−18.45**	47 7 52.12	48.112	− 1.22	+ 58.4	18 30 17.39	.....	− 8 18 28.5	....
33	110 Herculis	9	42 5.46	− 0.39	**−18.45**	18 23 51.02	44.370	− 1.22	+ 18.0	18 41 46.64	.....	+20 27 38.5	....
34	θ Serpentis	9	52 2.55	− 0.36	**−18.43**	34 45 56.68	44.550	− 1.22	+ 37.6	18 51 43.76	.....	+ 4 5 9.2	....
35	λ Aquilæ	9	1 46.12	− 0.35	**−18.44**	43 51 51.75	44.870	− 1.22	+ 52.0	19 1 27.34	.....	− 5 1 7.6	....
36	β Ursæ Minoris s. p.	9	51 15.55	+ 0.75	−18.53	293 25 47.10	44.362	− 0.82	−2 5.2	14 50 57.77	.....	+74 31 54.2	....
	August 10, P.												
37	Sun I, S	9	18 35.06	− 0.32	−18.59	23 29 50.65	43.358	+ 0.17	+ 23.4	9 18 16.15	+65.90	+15 21 55.0	....
38	Sun II, N	9	20 46.86	− 0.32	−18.59	22 57 51.62	44.388	+ 0.17	+ 22.8	9 20 27.95	−65.90	+15 53 31.5	....
39	Mercury C, C	9	47 49.48	− 0.32	−18.60	23 41 51.92	45.578	+ 0.17	+ 23.6	9 47 30.56	+ 0.01	+15 9 3.0	....
40	λ Ophiuchi	9	26 39.82	− 0.33	**[−18.69]**	36 39 50.58	45.070	+ 1.22	+ 40.3	16 26 20.77	.....	+ 2 10 58.2	....
41	49 Herculis	9	48 16.68	− 0.34	−18.73	23 43 50.12	43.950	+ 1.22	+ 23.9	16 47 57.61	.....	+15 7 40.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 2 4	....	....	69.0
2 26	29.976	70.0	68.8
2 45	....	....	69.0
3 9	....	....	69.2
3 23	29.987	71.0	70.0
8 1 28	29.830	72.0	70.3
2 3	....	....	70.4
2 45	....	....	70.5
2 56	29.830	71.5	70.7
3 11	....	....	71.0
3 44	....	....	71.9
4 0	29.832	73.1	72.8
9 9 17	29.812	88.0	90.5
9 40	29.804	89.0	91.0
16 49	29.726	85.0	84.0
17 31	....	....	82.3
17 57	29.728	82.2	81.1
18 21	....	....	81.2
18 34	....	....	81.3
18 59	....	....	82.0
2 49	29.750	77.5	75.4
10 9 21	29.772	85.3	85.9
9 48	29.782	86.8	87.1
16 24	29.769	83.0	82.3
16 50	....	....	81.4

Micrometer bisections are made at II, VI, except as noted below.

1, 9, 10, 28. Bisections at b_4, b_5, b_6.
7, 17. Bisections at II, III, IV, V, VI.
11, 36. Bisections at II, III, V, VI.
16, 21. Bisections at VI, VII.
20. Bisections at I, II.
22, 39. Bisections at I, II, VI, VII.
37. Bisections at I, II, III.
38. Bisections at V, VI, VII.

Notes.

11. Very diffuse; unsteady.
12, 13. Clouds.
20. Micrometer reading increased 2 rev.
24. Image poor.
27, 29. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+24 55.6	−16 2.8	...	+ 8 52.8
17	+20 7.8	−15 52.7	...	+ 4 15.1
20	+ 3.3	−15 48.8	...	−15 45.5
21	+ 3.4	+15 48.9	...	+15 52.3
22	+ 2.5	.. ....	0.0	+ 2.5
37	+ 3.4	+15 48.2	...	+15 51.6
38	+ 3.4	−15 48.3	...	−15 44.9
39	+ 2.6	.. ....	0.0	+ 2.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Herculis	9	10 50.52	− 0.34	**−18.73**	24 21 50.45	43.842	+ 1.22	+ 24.7	17 10 31.45	.....	+14 29 42.0	....
2	σ Ophiuchi	9	22 20.69	− 0.33	**−18.73**	34 37 49.88	44.648	+ 1.22	+ 37.8	17 22 1.63	.....	+ 4 13 11.1	....
3	α Ophiuchi	9	31 3.37	− 0.34	**−18.74**	26 13 50.75	43.940	+ 1.22	+ 27.0	17 30 44.29	.....	+12 37 37.2	....
4	β Ophiuchi	9	39 19.41	− 0.33	**−18.70**	34 13 51.00	46.852	+ 1.22	+ 37.3	17 39 0.34	.....	+ 4 36 20.1	....
5	ν Ophiuchi	9	54 22.01	− 0.32	**−18.77**	48 35 49.90	46.178	+ 1.22	+1 2.1	17 54 2.95	.....	− 9 45 48.2	....
6	δ Ursæ Minoris	9	2 9.33	− 4.35	−18.74	312 15 46.00	44.253	+ 1.22	−1 0.0	18 1 46.24	.....	+86 37 1.7	....
7	η Serpentis	9	16 57.07	− 0.32	**−18.78**	41 45 42.78	45.872	+ 1.22	+ 48.9	18 16 38.00	.....	− 2 55 20.9	....
8	3 H. Scuti	9	30 36.52	− 0.32	**−18.84**	47 7 46.15	48.262	+ 1.22	+ 59.0	18 30 17.45	.....	− 8 18 28.9	....
9	110 Herculis	9	42 5.72	− 0.36	**−18.74**	18 23 43.75	44.570	+ 1.22	+ 18.3	18 41 46.61	.....	+20 27 38.4	....
10	θ Serpentis	9	52 2.81	− 0.33	**−18.73**	34 45 43.42	45.020	+ 1.22	+ 38.0	18 51 43.73	.....	+ 4 5 8.8	....
11	51 H. Cephei S. P.	7	58 11.13	+ 4.98	−18.76	306 3 41.18	46.443	+ 1.22	−1 14.8	6 57 57.35	.....	+87 11 28.2	....
12	ω Aquilæ	9	13 53.78	− 0.34	**−18.68**	27 23 45.30	48.522	+ 1.22	+ 28.5	19 13 34.68	.....	+11 25 56.4	....
	August 16, P.												
13	Sun I, N	9	41 14.41	− 0.26	−20.53	24 45 47.90	48.168	− 0.75	+ 25.2	9 40 53.62	+65.39	+14 4 7.0	....
14	Sun II, S	9	43 25.19	− 0.26	−20.53	25 17 48.70	47.237	− 0.75	+ 25.8	9 43 4.40	−65.39	+13 32 27.2	....
15	β Ursæ Minoris	9	51 18.96	− 0.98	−20.55	324 19 44.22	46.462	− 0.08	− 38.4	14 50 57.43	.....	+74 31 52.8	....
16	γ^2 Ursæ Minoris	9	21 13.65	− 0.86	−20.56	326 41 45.92	46.760	− 0.19	− 35.2	15 20 52.23	.....	+72 9 41.2	....
17	λ Ophiuchi	9	26 41.59	− 0.30	[**−20.57**]	36 39 48.80	45.238	− 0.54	+ 40.2	16 26 20.72	.....	+ 2 10 58.1	....
18	49 Herculis	9	48 18.56	− 0.32	−20.58	23 43 47.38	44.162	− 0.65	+ 23.8	16 47 57.66	.....	+15 7 40.5	....
19	α Herculis	9	10 52.24	− 0.32	**−20.55**	24 21 48.42	44.005	− 0.80	+ 24.6	17 10 21.34	.....	+14 29 42.4	....
20	σ Ophiuchi	9	22 22.45	− 0.31	**−20.58**	34 37 48.32	44.845	− 0.80	+ 37.5	17 22 1.55	.....	+ 4 13 10.5	....
21	α Ophiuchi	9	31 5.11	− 0.32	**−20.58**	26 13 47.85	44.155	− 0.80	+ 26.8	17 30 44.20	.....	+12 37 37.4	....
22	β Ophiuchi	9	39 21.21	− 0.31	**−20.59**	34 13 47.78	47.078	− 0.80	+ 37.0	17 39 0.31	.....	+ 4 36 20.5	....
23	ν Ophiuchi	9	54 23.76	− 0.30	**−20.60**	48 35 48.45	46.335	− 0.80	+1 1.6	17 54 2.87	.....	− 9 45 47.8	....
24	δ Ursæ Minoris	9	2 8.78	− 4.04	−20.60	312 15 44.08	44.318	− 0.80	− 59.6	18 1 44.14	.....	+86 37 3.8	....
25	η Serpentis	9	16 58.86	− 0.30	**−20.64**	41 45 46.58	45.798	− 0.80	+ 48.7	18 16 37.96	.....	− 2 55 20.8	....
	August 17, L.												
26	Sun I, S	9	44 59.16	− 0.24	−20.88	25 37 48.92	44.612	− 0.60	+ 26.1	9 44 38.04	+65.31	+13 13 26.2	....
27	Sun II, N	9	47 9.78	− 0.24	−20.88	25 5 49.05	45.585	− 0.60	+ 25.5	9 46 48.66	−65.31	+13 45 4.8	....
28	β Ursæ Minoris	9	51 18.84	− 0.72	.....	324 19 45.00	46.541	− 1.17	− 38.9	14 50	.....	+74 31 51.4	....
	August 19, L.												
29	Sun I, N	9	52 27.08	− 0.25	−21.56	25 43 44.02	47.565	− 0.09	+ 26.1	9 52 5.27	+65.21	+13 6 23.1	....
30	Sun II, S	9	54 37.49	− 0.25	−21.56	26 15 44.62	46.675	− 0.09	+ 26.7	9 54 15.68	−65.20	+12 34 42.6	....
31	Mercury I, C	9	50 10.38	− 0.24	−21.57	30 11 46.75	49.109	− 0.09	+ 31.5	10 49 48.57	+ 0.17	+ 8 37 39.9	....
32	Venus I, C	9	47 39.83	− 0.24	−21.59	36 21 47.15	44.745	− 0.45	+ 39.7	11 47 18.00	+ 0.42	+ 2 29 11.4	....
33	Venus II	9	47 40.57	− 0.24	−21.59	... .	......	....	.....	11 47 18.74	− 0.32	.. ..	....
34	α Ursæ Minoris S. P.	8	27 16.28	+ 6.60	−21.62	307 41 39.88	45.355	− 0.45	−1 9.2	1 27 1.26	.....	+88 49 6.2	....
35	γ^2 Ursæ Minoris	9	21 14.35	− 0.75	−21.65	326 41 40.05	47.029	− 0.92	− 35.3	15 20 51.95	.....	+72 9 41.4	....
36	σ Ophiuchi	9	22 23.49	− 0.29	**−21.68**	34 37 46.85	44.918	− 0.92	+ 37.6	17 22 1.52	.....	+ 4 13 10.3	....
37	α Ophiuchi	9	31 6.11	− 0.29	**−21.65**	26 13 46.88	44.198	− 0.92	+ 26.9	17 30 44.14	.....	+12 37 37.4	....
38	β Ophiuchi	9	39 22.22	− 0.29	**−21.65**	34 13 46.60	47.130	− 0.92	+ 37.1	17 39 0.25	.....	+ 4 36 20.5	....
39	ν Ophiuchi	9	54 24.81	− 0.29	**−21.69**	48 35 48.25	46.332	− 0.92	+1 1.9	17 54 2.83	.....	− 9 45 47.7	....
40	δ Ursæ Minoris	6	2 8.52	− 3.41	−21.69	312 16	......	....	.....	18 1 43.42	.....	+86 37	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 17 8	......	....	78.9
17 26	29.800	79.0	77.0
17 58	......	....	77.0
18 23	29.811	78.5	77.0
18 33	......	....	77.0
19 4	......	....	76.8
19 15	29.827	78.0	76.9
16 9 43	29.492	74.5	74.6
14 49	29.405	80.0	80.1
15 23	29.412	79.8	79.7
16 24	29.406	77.5	77.0
16 51	......	....	76.0
17 26	29.420	76.0	75.0
17 48	......	....	74.6
18 8	......	....	73.5
18 22	29.435	74.3	73.1
17 9 47	29.405	74.0	73.1
14 51	29.386	73.3	72.7
19 9 55	29.566	78.7	79.0
10 50	29.564	79.9	80.3
11 48	29.560	81.1	81.0
13 28	29.550	82.0	82.2
15 23	29.550	80.3	80.0
17 26	29.572	76.1	75.3
17 42	......	....	75.0
17 59	......	....	74.4

Micrometer bisections are made at II, VI, except as noted below.

2, 39. Bisections at II, VI, VII.
6, 15, 16, 24, 34. Bisections at b_4, b_5, b_6.
9, 31, 32. Bisections at I, II, VI, VII.
11. Bisections at b_1, b_3, b_5.
13. Bisections at II, III.
14, 27, 30. Bisections at V, VI, VII.
26, 29. Bisections at I, II, III.
28, 35. Bisections at II, III, V, VI.

Note.
8, 11. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+ 3.6	−15 49.8	...	−15 46.2
14	+ 3.7	+15 49.9	...	+15 53.6
26	+ 3.7	+15 49.3	...	+15 53.0
27	+ 3.7	−15 49.3	...	−15 45.6
29	+ 3.8	−15 50.3	...	−15 46.5
30	+ 3.8	+15 50.2	...	+15 54.0
31	+ 3.4	.. ....	− 0.1	+ 3.3
32	+ 3.7	.. ....	− 0.1	+ 3.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ο Herculis	9	4 23.22	− 0.32	**−21.69**	10 5 46.20	46.280	− 0.92	+ 9.8	18 4 1.21	.....	+28 45 7.5	....
2	η Serpentis	9	16 59.88	− 0.29	**−21.70**	41 45 46.88	45.770	− 0.92	+ 48.8	18 16 37.90	.....	− 2 55 20.4	....
3	3 H. Scuti	9	30 39.27	− 0.29	**−21.69**	47 7 47.80	48.260	− 0.92	+ 58.9	18 30 17.29	.....	− 8 18 28.3	....
4	110 Herculis	9	42 8.53	− 0.31	**−21.69**	18 23 46.10	44.520	− 0.92	+ 18.2	18 41 46.52	.....	+20 27 39.5	....
5	θ Serpentis	9	52 5.67	− 0.29	**−21.69**	34 45 46.50	44.925	− 0.92	+ 38.0	18 51 43.68	.....	+ 4 5 10.1	....
6	51 H. Cephei s. p.	9	58 17.61	+ 3.84	−21.70	306 4	......	....	. ....	6 57 59.75	.....	+87 11	....
7	d Sagittarii	9	12 43.01	− 0.29	**−21.76**	57 55 47.92	48.205	− 0.92	+1 27.3	19 12 21.02	.....	−19 6 55.5	....
8	ω Aquilæ	9	13 56.69	− 0.30	**−21.69**	27 23 45.92	48.495	− 0.92	+ 28.4	19 13 34.69	.....	+11 25 58.6	....
9	ι Ceti	9	15 11.60	− 0.28	**−21.75**	48 9 51.72	45.270	− 0.71	+1 1.8	0 14 49.54	.....	− 9 19 27.0	....
10	44 Piscium	9	21 8.27	− 0.28	**−21.76**	37 23 51.22	46.622	− 0.71	+ 42.4	0 20 46.21	.....	+ 1 26 22.0	....
11	13 Ceti	9	30 57.89	− 0.28	−21.78	42 55 51.95	45.525	− 0.71	+ 51.5	0 30 35.83	.....	− 4 5 22.7	....
12	Mars I, C	5	33 39.70	− 0.28	−21.78	41 7 51.45	50.095	− 0.71	+ 48.4	0 33 17.64	+ 0.73	− 2 17 28.4	....
13	Mars II	5	33 41.26	− 0.28	−21.78	... .	......	....	. ....	0 33 19.20	− 0.83	.. ..	....
14	δ Piscium	9	44 21.56	− 0.27	**−21.79**	31 45 51.35	43.738	− 0.71	+ 34.3	0 43 59.51	.....	+ 7 5 35.8	....
15	20 Ceti	9	48 45.38	− 0.27	**−21.85**	40 27 52.20	47.522	− 0.71	+ 47.3	0 48 23.33	.....	− 1 38 4.5	....
16	ε Piscium	9	58 37.04	− 0.27	**−21.78**	31 25 51.75	47.365	− 0.71	+ 33.9	0 58 14.98	.....	+ 7 24 13.0	....
17	α Ursæ Minoris	9	27 30.44	− 8.39	−21.79	310 3 48.70	44.362	− 0.71	−1 5.7	1 27 0.26	.....	+88 49 4.1	....
18	β Ursæ Minoris s. p.	9	51 18.51	+ 0.55	−21.81	293 25 46.88	44.371	− 0.71	−2 7.1	14 50 57.25	.....	+74 31 52.4	....
19	γ^2 Ursæ Minoris s. p.	9	21 13.23	+ 0.47	−21.82	291 3 48.52	44.554	− 0.71	−2 22.8	15 20 51.88	.....	+72 9 42.5	....
20	ζ Ursæ Minoris s. p.	7	47 38.17	+ 0.74	−21.82	296 57 48.65	45.760	− 0.71	−1 48.5	15 47 17.09	.....	+78 4 44.4	....
	August 20, P.												
21	Sun I, S	9	56 10.26	− 0.32	−21.87	26 35 52.42	45.357	− 0.29	+ 27.1	9 55 48.07	+65.15	+12 15 4.3	....
22	Sun II, N	9	58 20.56	− 0.32	−21.87	26 3 51.50	46.348	− 0.29	+ 26.5	9 57 58.37	−65.15	+12 46 43.6	....
23	Mercury I, C	9	56 26.96	− 0.32	−21.89	30 57 53.38	45.925	− 0.27	+ 32.4	10 56 4.75	+ 0.17	+ 7 52 45.3	....
24	Venus I, C	9	52 3.10	− 0.31	−21.90	36 51 51.82	46.692	− 0.27	+ 40.4	11 51 40.89	+ 0.41	+ 1 58 21.3	....
	August 20, L.												
25	δ Ursæ Minoris s. p.	7	2 2.13	+ 2.97	−22.23	305 29 47.68	45.363	− 0.73	−1 18.1	18 1 42.87	.....	+86 37 5.1	....
	August 21, L.												
26	Sun S	.	.. ..	....	.....	26 55 52.42	44.988	− 0.71	+ 28.1	10 0	.....	+11 55 12.1	....
27	Sun N	.	.. ..	....	.....	26 23 52.82	45.918	− 0.71	+ 27.5	.. ..	.....	+12 26 51.5	....
28	Mercury I, C	9	2 36.55	− 0.26	−22.29	31 41 52.45	48.315	− 0.43	+ 34.2	11 2 14.00	+ 0.17	+ 7 7 49.9	....
29	Venus I, C	9	56 26.14	− 0.26	−22.30	37 21 52.32	48.992	− 0.43	+ 42.2	11 56 3.58	+ 0.47	+ 1 27 26.6	....
30	Venus II	9	56 26.96	− 0.26	−22.30	... .	......	....	. ....	11 56 4.40	− 0.35	.. ..	....
31	α Ursæ Minoris s. p.	9	27 19.89	+ 6.05	−22.34	307 41 48.70	45.092	− 0.42	−1 10.9	1 27 3.60	.....	+88 49 7.4	....
32	Moon I, N	9	6 40.67	− 0.29	−22.35	48 39 53.20	48.268	− 0.42	+1 2.7	14 6 18.03	+61.99	− 9 50 37.3	....
33	β Ursæ Minoris	7	51 19.83	− 0.59	−22.36	324 19 48.10	46.380	− 0.42	− 39.4	14 50 56.88	.....	+74 31 51.8	....
34	γ^2 Ursæ Minoris	9	21 14.73	− 0.53	−22.37	326 41 48.95	46.711	− 0.42	− 36.2	15 20 51.83	.....	+72 9 40.2	....
35	ζ Ursæ Minoris	9	47 40.37	− 0.78	−22.37	320 47 50.80	44.316	− 0.42	− 45.0	15 47 17.22	.....	+78 4 41.7	....
36	σ Ophiuchi	9	22 24.14	− 0.28	**−22.37**	34 37 52.72	44.570	− 0.50	+ 38.6	17 22 1.46	.....	+ 4 13 10.9	....
37	α Ophiuchi	9	31 6.83	− 0.28	**−22.41**	26 13 52.55	43.855	− 0.50	+ 27.6	17 30 44.15	.....	+12 37 38.4	....
38	β Ophiuchi	9	39 22.91	− 0.28	**−22.38**	34 13 53.18	46.770	− 0.50	+ 38.1	17 39 0.23	.....	+ 4 36 20.7	....
39	ν Ophiuchi	9	54 25.54	− 0.28	**−22.45**	48 35 53.78	45.970	− 0.50	+1 3.4	17 54 2.85	.....	− 9 45 46.9	....
40	δ Ursæ Minoris	6	2 8.27	− 2.44	−22.41	312 15 49.05	44.155	− 0.50	−1 1.3	18 1 43.42	.....	+86 37 4.0	....
41	ο Herculis	9	4 23.88	− 0.28	**−22.42**	10 5 52.00	45.980	− 0.50	+ 10.0	18 4 1.19	.....	+28 45 8.0	....
42	η Serpentis	9	17 0.56	− 0.28	**−22.41**	41 45 52.35	45.450	− 0.50	+ 50.0	18 16 37.87	.....	− 2 55 20.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 18 11	29.582	75.0	74.1
18 43	......	....	74.0
19 15	29.588	74.0	73.2
0 12	29.616	69.8	68.2
0 37	......	....	68.0
1 0	......	....	67.3
1 28	29.620	68.4	67.1
2 53	29.640	67.2	66.0
3 22	......	....	65.9
3 49	29.650	67.2	66.1
20 9 58	29.736	81.2	82.0
10 55	29.746	83.0	83.8
11 53	29.752	85.9	84.5
6 4	29.924	68.7	67.7
21 10 1	29.976	75.0	74.6
11 3	29.976	75.2	75.1
11 56	29.974	76.2	75.8
13 28	29.986	76.7	76.9
14 8	29.988	76.7	76.8
14 54	......	....	76.4
15 23	......	....	74.7
15 49	29.986	74.6	74.7
17 24	30.000	71.0	70.1
17 53	......	....	69.9
18 18	30.020	70.0	69.0

Micrometer bisections are made at II, VI, except as noted below.

3, 5.	Bisections at II, VI, VII.
7, 11, 26.	Bisections at I, II.
8.	Bisections at VI, VII.
12.	Z. D. threads C used.
12, 23, 24, 28, 29.	Bisections at I, II, VI, VII.
17, 25, 31, 40.	Bisections at b_4, b_5, b_6.
18–20, 34, 35.	Bisections at II, III, V, VI.
21.	Bisections at I, II, III.
22, 27.	Bisections at V, VI, VII.
32.	Bisections at III, IV, V, VI.
33.	Bisections at II, III.

Notes.

1, 8, 33.	Clouds.
2.	Hazy.
17–20.	Conditions poor.
31.	Very unsteady.
36–42.	Images poor; diffuse.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 12.8	.. ....	0.0	+ 12.8
21	+ 3.9	+15 49.6	...	+15 53.5
22	+ 3.8	−15 49.6	...	−15 45.8
23	+ 3.4	.. ....	−0.1	+ 3.3
24	+ 3.8	.. ....	−0.1	+ 3.7
26	+ 3.9	+15 49.6	...	+15 53.5
27	+ 3.8	−15 49.7	...	−15 45.9
28	+ 3.6	.. ....	−0.1	+ 3.5
29	+ 3.9	.. ....	−0.1	+ 3.8
32	+40 39.5	−14 49.3	...	+25 50.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	3 H. Scuti	9	30 39.92	– 0.28	**–22.37**	47 7 53.38	47.928	– 0.50	+1 0.4	18 30 17.23	.....	– 8 18 28.2	....
2	110 Herculis	9	42 9.22	– 0.28	**–22.43**	18 23 51.82	44.188	– 0.50	+ 18.7	18 41 46.52	.....	+20 27 40.4	....
3	θ Serpentis	9	52 6.39	– 0.28	**–22.44**	34 45 52.75	44.595	– 0.50	+ 39.0	18 51 43.69	.....	+ 4 5 9.9	....
4	51 H. Cephei s. p.	9	58 19.67	+ 2.68	–22.42	306 4	......	....	.....	6 57 59.93	.....	+87 11	....
5	d Sagittarii	9	12 43.69	– 0.30	**–22.44**	57 55 52.88	47.870	– 0.50	+1 29.5	19 12 20.97	.....	–19 6 55.4	....
6	ω Aquilæ	9	13 57.35	– 0.27	**–22.39**	27 23 52.18	48.200	– 0.50	+ 29.2	19 13 34.66	.....	+11 25 57.9	....
7	ι Ceti	9	15 12.36	– 0.26	**–22.49**	48 9 53.08	45.098	– 1.09	+1 3.7	0 14 49.60	.....	– 9 19 26.0	....
8	44 Piscium	9	21 9.02	– 0.26	**–22.49**	37 23 52.28	46.520	– 1.09	+ 43.6	0 20 46.26	.....	+ 1 26 22.4	....
9	12 Ceti	9	25 48.50	– 0.26	**–22.53**	43 17 52.62	45.360	– 1.09	+ 53.8	0 25 25.74	.....	– 4 27 21.6	....
10	13 Ceti	9	30 58.65	– 0.26	–22.50	42 55 52.05	45.435	– 1.09	+ 53.1	0 30 35.89	.....	– 4 5 22.0	....
11	Mars I, C.	5	33 55.03	– 0.26	–22.50	41 9 51.88	47.426	– 1.09	+ 49.9	0 33 32.27	+ 0.74	– 2 18 28.9	....
12	Mars II	5	33 56.60	– 0.26	–22.50	... .	......	....	.....	0 33 33.84	– 0.83	.. ..	....
13	δ Piscium	9	44 22.29	– 0.26	**–22.49**	31 45 52.22	43.635	– 1.09	+ 35.4	0 43 59.53	.....	+ 7 5 36.6	....
14	20 Ceti	9	48 46.08	– 0.26	**–22.52**	40 27 53.72	47.358	– 1.09	+ 48.8	0 48 23.32	.....	– 1 38 3.3	....
15	α Ursæ Minoris	8	27 32.12	– 7.75	–22.51	310 3 49.82	44.405	– 1.09	–1 7.7	1 27 1.86	.....	+88 49 4.4	....
	August 22, P.												
16	α Ursæ Minoris s. p.	9	27 18.50	+ 8.42	–22.62	307 41 50.18	45.025	– 0.75	–1 11.2	1 27 4.30	.....	+88 49 6.7	....
17	α Libræ	9	46 14.23	– 0.28	[**–22.71**]	54 29 51.88	45.885	– 0.75	+1 17.4	14 45 51.31	.....	–15 39 56.8	....
18	Moon I, N.	9	53 6.67	– 0.29	–22.65	53 25 50.32	47.738	– 0.75	+1 14.5	14 52 43.73	+63.60	–14 36 34.6	....
19	β Libræ	9	12 30.27	– 0.28	[**–22.61**]	47 53 53.60	43.835	– 0.75	+1 1.2	15 12 7.34	.....	– 9 2 55.4	....
20	γ² Ursæ Minoris	9	21 15.14	– 0.67	–22.65	326 41 50.55	46.619	– 0.75	– 36.2	15 20 51.82	.....	+72 9 40.6	....
21	γ Libræ	9	30 49.91	– 0.29	[**–22.57**]	53 19 52.30	44.235	– 0.75	+1 14.3	15 30 26.97	.....	–14 29 16.4	....
22	ζ Ursæ Minoris	9	47 40.61	– 0.95	–22.66	320 47 50.00	44.311	– 0.75	– 45.0	15 47 17.00	.....	+78 4 42.3	....
23	δ Scorpii	9	55 21.15	– 0.30	–22.66	61 11 53.45	44.690	– 0.75	+1 40.6	15 54 58.19	.....	–22 21 54.2	....
24	β¹ Scorpii	9	0 32.79	– 0.30	[**–22.68**]	58 23 52.45	44.198	– 0.75	+1 30.1	16 0 9.83	.....	–19 33 31.5	....
25	λ Ophiuchi	9	26 43.54	– 0.29	[**–22.62**]	36 39 53.15	44.990	– 0.75	+ 41.5	16 26 20.59	.....	+ 2 10 58.3	....
26	ζ Ophiuchi	9	32 33.15	– 0.30	[**–22.69**]	49 13 52.45	44.085	– 0.75	+1 4.6	16 32 10.19	.....	–10 23 3.4	....
27	ι Ceti	9	15 12.76	– 0.29	**–22.84**	48 9 51.55	45.230	– 1.48	+1 3.7	0 14 49.69	.....	– 9 19 27.0	....
28	44 Piscium	9	21 9.38	– 0.29	**–22.80**	37 23 51.98	46.550	– 1.48	+ 43.7	0 20 46.31	.....	+ 1 26 22.3	....
29	12 Ceti	9	25 48.78	– 0.29	**–22.76**	43 17 52.08	45.440	– 1.48	+ 53.8	0 25 25.71	.....	– 4 27 22.5	....
30	13 Ceti	9	30 58.91	– 0.29	–22.78	42 55 51.90	45.472	– 1.48	+ 53.1	0 30 35.84	.....	– 4 5 22.3	....
31	Mars I, C.	5	33 57.93	– 0.29	–22.78	41 9 51.78	49.772	– 1.48	+ 49.9	0 33 34.86	+ 0.75	– 2 19 22.0	....
32	Mars II	5	33 59.51	– 0.29	–22.78	... .	......	....	.....	0 33 36.44	– 0.83	.. ..	....
33	δ Piscium	9	44 22.58	– 0.29	**–22.73**	31 45 52.70	43.635	– 1.48	+ 35.3	0 43 59.51	.....	+ 7 5 36.6	....
34	20 Ceti	9	48 46.38	– 0.29	**–22.77**	40 27 52.68	47.450	– 1.48	+ 48.7	0 48 23.31	.....	– 1 38 3.9	....
35	α Ursæ Minoris	9	27 35.89	– 8.39	–22.79	310 3 49.22	44.415	– 1.48	–1 7.7	1 27 4.71	.....	+88 49 5.1	....
	August 23, L.												
36	Sun I, N.	9	7 16.91	– 0.21	–22.97	27 3 54.55	46.465	– 0.56	+ 28.2	10 6 53.73	+64.84	+11 46 36.0	....
37	Sun II, S.	9	9 26.59	– 0.21	–22.97	27 35 52.22	45.793	– 0.56	+ 28.9	10 9 3.41	–64.84	+11 14 53.4	....
38	Mercury C, C.	9	14 35.97	– 0.21	–22.99	33 11 54.62	47.474	– 1.28	+ 36.0	11 14 12.77	+ 0.02	+ 5 38 6.1	....
39	Venus I, C.	9	5 11.29	– 0.21	–23.00	38 25 55.35	43.475	– 1.28	+ 43.5	12 4 48.08	+ 0.50	+ 0 25 29.2	....
40	Venus II	9	5 12.16	– 0.21	–23.00	... .	......	....	.....	12 4 48.95	– 0.37	.. ..	....
41	γ² Ursæ Minoris	9	21 15.27	– 0.66	–23.04	326 41 50.22	46.674	– 1.81	– 35.9	15 20 51.57	.....	+72 9 40.9	....
42	γ Libræ	9	30 50.32	– 0.28	[**–23.00**]	53 19 52.92	44.245	– 1.81	+1 13.6	15 30 27.00	.....	–14 29 15.5	....
43	Moon I, N.	9	42 15.42	– 0.29	–23.04	57 41 54.32	44.415	– 1.81	+1 26.7	15 41 52.09	+65.77	–18 51 33.8	....
44	ζ Ursæ Minoris	9	47 40.89	– 0.92	–23.05	320 47 50.20	44.385	– 1.81	– 44.7	15 47 16.92	.....	+78 4 41.8	....
45	π Scorpii	9	53 45.18	– 0.29	–23.05	64 39 53.05	47.772	– 1.81	+1 55.8	15 53 21.84	– 1.18	–25 51 18.3	+ 8.3

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 18 40	......	....	68.4
19 15	30.022	69.1	68.1
0 13	30.050	62.8	60.7
0 40	......	....	59.9
0 49	......	....	59.8
1 28	30.062	61.1	59.1
22 13 23	30.074	76.0	76.4
14 44	30.066	76.0	76.6
14 56	......	....	76.6
15 27	......	....	76.0
15 40	30.070	75.0	75.9
16 3	......	....	74.3
16 25	......	....	72.5
16 34	30.070	72.0	72.0
0 12	30.034	61.2	60.0
0 40	......	....	60.0
0 50	30.024	61.0	59.9
1 32	30.018	60.0	58.0
23 10 9	30.068	76.5	78.0
11 15	30.062	79.0	79.8
12 5	30.040	80.1	80.2
15 22	30.012	79.6	80.0
15 41	......	....	78.7

Micrometer bisections are made at II, VI, except as noted below.

5.	Bisections at I, II, VI.
6.	Bisections at VI, VII.
7.	Bisections at II, VI, VII.
10.	Bisections at I, II.
11, 31.	Z. D. threads C used.
11, 20, 22, 31, 38, 39, 45.	Bisections at I, II, VI, VII.
15, 16, 35.	Bisections at b_4, b_5, b_6.
18, 43.	Bisections at II, III, IV, V, VI.
36.	Bisections at I, II, III.
37.	Bisections at V, VI, VII.
41, 44.	Bisections at II, III, V, VI.

Note.

1–6. Images poor and diffuse.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 13.0	.. ....	0.0	+ 13.0
18	+43 48.2	–14 55.5	...	+28 52.7
31	+ 13.1	.. ....	0.0	+ 13.1
36	+ 3.9	–15 51.3	...	–15 47.4
37	+ 4.0	+15 51.2	...	+15 55.2
38	+ 3.8	.. ....	– 0.1	+ 3.7
39	+ 4.0	.. ....	– 0.1	+ 3.9
43	+46 33.8	–15 4.5	...	+31 29.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β^1 Scorpii	9	0 33.16	− 0.28	[**−23.09**]	58 23 52.88	44.252	− 1.81	+1 29.2	16 0 9.83	.....	−19 33 31.1	....
2	ν Scorpii (*mean*)	9	7 6.84	− 0.28	[**−23.09**]	58 3 53.05	44.476	− 1.81	+1 28.2	16 6 43.51	.....	−19 13 35.4	....
3	σ Scorpii	9	16 4.01	− 0.29	−23.05	64 11 54.25	46.045	− 1.81	+1 53.6	16 15 40.67	.....	−25 22 37.9	....
4	ε Ursæ Minoris	9	55 41.08	− 1.34	−23.06	316 39 49.72	47.853	− 1.81	− 51.9	16 55 16.68	.....	+82 11 30.5	....
5	σ Ophiuchi	9	22 24.74	− 0.28	**−23.00**	34 37 54.00	44.582	− 1.81	+ 38.3	17 22 1.39	.....	+ 4 13 11.0	....
6	α Ophiuchi	9	31 7.42	− 0.28	**−23.03**	26 13 53.70	43.870	− 1.81	+ 27.3	17 30 44.07	.....	+12 37 38.6	....
7	β Ophiuchi	9	39 23.54	− 0.28	**−23.04**	34 13 53.48	46.812	− 1.81	+ 37.8	17 39 0.19	.....	+ 4 36 21.1	....
8	ν Ophiuchi	9	54 26.17	− 0.28	**−23.11**	48 35 54.70	46.015	− 1.81	+1 3.0	17 54 2.81	.....	− 9 45 47.0	....
9	δ Ursæ Minoris	6	2 8.10	− 2.93	−23.08	312 15 47.82	44.242	− 1.81	−1 0.9	18 1 42.09	.....	+86 37 4.1	....
10	ο Herculis	9	4 24.51	− 0.30	**−23.06**	10 5 53.58	45.945	− 1.81	+ 10.0	18 4 1.13	.....	+28 45 8.5	.....
11	η Serpentis	9	17 1.25	− 0.28	**−23.13**	41 45 53.70	45.450	− 1.81	+ 49.7	18 16 37.89	.....	− 2 55 19.9	....
12	3 H. Scuti	9	30 40.65	− 0.28	**−23.12**	47 7 54.40	47.962	− 1.81	+1 0.1	18 30 17.28	.....	− 8 18 28.4	....
13	110 Herculis	9	42 9.87	− 0.29	**−23.10**	18 23 52.65	44.172	− 1.81	+ 18.6	18 41 46.49	.....	+20 27 41.4	....
14	θ Serpentis	9	52 7.06	− 0.28	**−23.13**	34 45 53.52	44.602	− 1.81	+ 38.8	18 51 43.69	.....	+ 4 5 10.5	....
15	51 H. Cephei s. p.	9	58 22.11	+ 3.27	−23.09	306 4	......	....	.....	6 58 2.29	.....	+87 11	....
16	ω Aquilæ	9	13 53.03	− 0.28	**−23.08**	27 23 52.72	48.185	− 1.81	+ 29.1	19 13 34.65	.....	+11 25 59.1	....
17	δ Aquilæ	9	21 20.07	− 0.28	**−23.11**	35 53 53.32	47.422	− 1.81	+ 40.6	19 20 56.69	.....	+ 2 56 4.5	....
18	γ^2 Ursæ Minoris s. p.	9	21 14.64	+ 0.42	−23.21	291 3 48.88	44.739	− 1.87	−2 26.3	15 20 51.85	.....	+72 9 42.5	....
19	ζ Ursæ Minoris s. p.	9	47 39.73	+ 0.65	−23.22	296 57 51.25	45.835	− 1.80	−1 51.2	15 47 17.16	.....	+78 4 44.9	....
20	ε Ursæ Minoris s. p.	9	55 38.79	+ 1.02	−23.24	301 3 48.00	47.288	− 1.38	−1 33.5	16 55 16.57	.....	+82 11 33.2	....
	August 24, P.												
21	Sun I, N	9	10 58.24	− 0.27	−23.26	27 23 52.78	47.673	− 1.59	+ 28.4	10 10 34.71	+64.83	+11 26 11.0	....
22	Sun II, S	9	13 7.91	− 0.27	−23.26	27 55 52.48	46.905	− 1.59	+ 29.1	10 12 44.38	−64.84	+10 54 28.6	....
23	Mercury C, C	9	20 26.09	− 0.27	−23.27	33 57 54.32	44.108	− 1.57	+ 36.8	11 20 25.5	+ 0.02	+ 4 53 22.8	....
24	Venus I, C	9	9 33.53	− 0.27	−23.23	38 55 52.95	46.359	− 1.57	+ 43.9	12 9 9.98	+ 0.51	− 0 5 34.4	....
25	Venus II	9	9 34.42	− 0.27	−23.28	... .	......	.....	. ....	12 9 10.87	− 0.38	.. ..	....
26	γ^2 Ursæ Minoris	9	21 15.79	− 0.87	−23.33	326 41 48.95	46.694	− 2.24	− 35.6	15 20 51.59	.....	+72 9 41.4	....
27	ζ Ursæ Minoris	9	47 41.43	− 1.21	−23.34	320 47 49.15	44.378	− 2.24	− 44.3	15 47 16.88	.....	+78 4 42.4	....
28	σ Scorpii	9	16 4.39	− 0.37	−23.34	64 11 50.00	46.325	− 2.24	+1 52.8	16 15 40.68	.....	−25 22 38.8	....
29	α Scorpii	9	24 14.71	− 0.37	−23.35	65 3 51.35	44.318	− 2.24	+1 57.3	16 23 50.99	.....	−26 13 58.8	....
30	τ Scorpii	9	30 38.16	− 0.38	−23.35	66 49 50.05	48.780	− 2.24	+2 7.6	16 30 14.43	.....	−28 1 49.7	....
31	Moon I, N	9	34 55.78	− 0.38	−23.35	61 9 51.28	48.400	− 2.24	+1 39.4	16 34 32.05	+68.28	−22 21 14.1	....
32	ε Ursæ Minoris	9	55 41.81	− 1.76	−23.35	316 39 44.68	48.025	− 2.24	− 51.6	16 55 16.70	.....	+82 11 32.0	....
33	η Ophiuchi	9	5 34.81	− 0.36	[**−23.42**]	54 25 49.68	48.395	− 2.24	+1 16.9	17 5 11.09	.....	−15 36 49.9	....
34	θ Ophiuchi	9	16 50.71	− 0.37	−23.36	63 43 50.30	46.445	− 2.24	+1 51.2	17 16 26.98	.....	−24 54 40.3	....
35	b Ophiuchi	9	21 14.23	− 0.37	−23.36	62 55 51.22	43.875	− 2.24	+1 47.4	17 20 50.50	.....	−24 5 38.6	....
36	σ Ophiuchi	9	22 25.17	− 0.36	**−23.36**	34 37 51.08	44.738	− 2.24	+ 38.1	17 22 1.45	.....	+ 4 13 10.9	....
37	α Ophiuchi	9	31 7.84	− 0.37	**−23.38**	26 13 50.60	44.038	− 2.24	+ 27.2	17 30 44.11	.....	+12 37 38.3	....
38	β Ophiuchi	9	39 23.93	− 0.36	**−23.36**	34 13 50.78	46.955	− 2.24	+ 37.6	17 39 0.21	.....	+ 4 36 21.1	....
39	ν Ophiuchi	9	54 26.49	− 0.36	**−23.36**	48 35 51.70	46.208	− 2.24	+1 2.6	17 54 2.76	.....	− 9 45 47.7	....
40	δ Ursæ Minoris	9	2 8.72	− 3.84	−23.37	312 15 47.05	44.270	− 2.24	−1 0.6	18 1 41.51	.....	+86 37 4.4	....
41	η Serpentis	9	17 1.62	− 0.36	**−23.43**	41 45 52.10	45.552	− 2.24	+ 49.4	18 16 37.89	.....	− 2 55 19.9	....
42	3 H. Scuti	9	30 40.94	− 0.36	**−23.34**	47 7 52.38	48.092	− 2.24	+ 59.7	18 30 17.20	.....	− 8 18 28.5	....
43	θ Serpentis	9	52 7.38	− 0.37	**−23.37**	34 45 50.68	44.780	− 2.46	+ 38.5	18 51 43.63	.....	+ 4 5 10.3	....
44	51 H. Cephei s. p.	9	58 22.06	+ 4.18	−23.38	306 3 47.50	46.235	− 2.46	−1 15.8	6 58 2.86	.....	+87 11 25.4	....
45	ω Aquilæ	9	13 58.36	− 0.36	**−23.34**	27 23 49.80	48.355	− 2.46	+ 28.9	19 13 34.61	.....	+11 25 59.0	....
46	δ Aquilæ	9	21 20.42	− 0.35	**−23.39**	35 53 51.22	47.550	− 2.46	+ 40.3	19 20 56.68	.....	+ 2 56 4.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 16 3	......	....	77.7
16 16	[illegible]	78.0	77.1
16 57	......	....	75.6
17 24	29.996	75.0	74.1
18 8	......	....	72.1
18 24	30.000	73.0	71.3
18 51	......	....	70.3
19 20	30.000	71.1	69.1
3 22	29.998	62.0	59.7
3 49	......	....	59.8
4 55	30.012	63.7	62.3
24 10 13	30.046	79.7	81.0
11 21	30.041	82.0	83.0
12 11	30.035	86.0	85.0
15 18	30.008	83.9	83.4
15 50	......	....	82.1
16 13	29.994	82.0	80.8
16 38	......	....	79.2
17 2	......	....	78.0
17 33	[illegible]	78.0	76.2
17 50	......	....	75.9
18 10	30.013	76.8	75.0
19 6	30.011	74.9	73.0
19 23	......	....	72.2

Micrometer bisections are made at II, VI, except as noted below.

1–3, 23, 24, 26, 27.	Bisections at I, II, VI, VII.
4, 20.	Bisections at III, IV, V.
8.	Bisections at I, II.
9, 32, 40, 44.	Bisections at b_4, b_5, b_6.
18, 19.	Bisections at II, III, V, VI.
21.	Bisections at I, II, III.
22.	Bisections at V, VI, VII.
31.	Bisections at II, III, IV, V, VI.
35.	Bisections at II, VI, VII.
36.	Bisections at VI, VII.

Note.

20. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
21	+ 4.0	−15 51.2	...	−15 47.2
22	+ 4.1	+15 51.1	...	+15 55.2
23	+ 3.8	.. ....	− 0.1	+ 3.7
24	+ 4.1	.. ....	− 0.1	+ 4.0
31	+48 54.4	−15 16.3	...	+33 38.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Aquilæ	9	32 25.71	− 0.33	**−23.41**	46 3 52.05	46.280	− 2.46	+ 57.8	19 32 1.99	.....	− 7 13 44.7	....
2	γ Aquilæ	9	42 21.82	− 0.34	**−23.42**	28 27 51.45	43.965	− 2.46	+ 30.2	19 41 58.08	.....	+10 23 36.4	....
3	γ^2 Ursæ Minoris s. p.	9	21 14.80	+ 0.50	−23.51	291 3 48.45	44.677	− 2.34	−2 25.5	15 20 51.79	.....	+72 9 41.3	....
4	ζ Ursæ Minoris s. p.	9	47 39.56	+ 0.80	−23.51	296 57 47.45	45.963	− 2.23	−1 50.7	15 47 16.85	.....	+78 4 44.6	....
5	ε Ursæ Minoris s. p.	9	55 38.72	+ 1.28	−23.53	301 3 46.80	47.295	− 1.97	−1 33.3	16 55 16.47	.....	+82 11 32.0	....
6	δ Ursæ Minoris s. p.	9	2 1.44	+ 3.10	−23.55	305 29 47.40	45.418	− 1.76	−1 18.2	18 1 40.99	.....	+86 37 5.0	....
	August 25, L.												
7	Sun I, S	9	14 39.11	− 0.31	−23.70	28 15 50.80	48.500	− 1.58	+ 29.3	10 14 15.10	+64.76	+10 33 53.2	....
8	Sun II, N	9	16 48.64	− 0.31	−23.70	27 43 50.08	49.383	− 1.58	+ 28.7	10 16 24.63	−64.77	+11 5 34.8	....
9	Mercury I, C	9	26 10.07	− 0.31	−23.71	34 41 53.02	45.535	− 1.90	+ 37.5	11 25 46.05	+ 0.18	+ 4 8 51.1	....
10	γ^2 Ursæ Minoris	9	21 16.14	− 0.74	−23.80	326 41 47.25	46.828	− 2.68	− 35.4	15 20 51.60	.....	+72 9 40.7	....
11	ζ Ursæ Minoris	8	47 41.51	− 1.05	−23.80	320 47 48.70	44.436	− 2.68	− 44.0	15 47 16.66	.....	+78 4 41.7	....
12	ε Ursæ Minoris	9	55 41.81	− 1.62	−23.82	316 39 48.20	47.887	− 2.68	− 51.2	16 55 16.37	.....	+82 11 31.5	....
13	θ Ophiuchi	8	16 51.13	− 0.35	−23.82	63 43 52.08	46.392	− 2.68	+1 50.5	17 16 26.96	.....	−24 54 39.7	....
14	b Ophiuchi	8	21 14.61	− 0.34	−23.83	62 55 51.05	43.910	− 2.68	+1 46.7	17 20 50.44	.....	−24 5 38.0	....
15	σ Ophiuchi	9	22 25.58	− 0.34	**−23.81**	34 37 50.75	44.762	− 2.68	+ 37.8	17 22 1.41	.....	+ 4 13 11.5	....
16	Moon I, N	9	31 33.94	− 0.35	−23.83	63 37 51.50	46.003	− 2.68	+1 50.1	17 31 9.76	+70.79	−24 48 31.1	....
17	Moon S	.	.. ..	....	.....	64 9 48.22	44.077	− 2.68	+1 52.7	.. ..	.....	−25 19 43.8	....
18	β Ophiuchi	9	39 24.34	− 0.34	**−23.81**	34 13 51.15	46.978	− 2.68	+ 37.3	17 39 0.17	.....	+ 4 36 21.0	....
19	ν Ophiuchi	9	54 26.86	− 0.33	**−23.77**	48 35 52.90	46.160	− 2.68	+1 2.2	17 54 2.70	.....	− 9 45 46.9	....
20	γ Sagittarii	9	0 24.00	− 0.35	−23.84	69 13 51.52	47.538	− 2.68	+2 24.0	17 59 59.81	.....	−30 25 38.7	....
21	72 Ophiuchi	9	3 27.97	− 0.34	**−23.86**	29 17 51.72	45.205	− 2.68	+ 30.8	18 3 3.79	.....	+ 9 33 7.4	....
22	μ Sagittarii	9	8 45.46	− 0.34	−23.84	59 55 51.02	42.851	− 2.68	+1 34.6	18 8 21.28	.....	−21 5 1.8	....
23	δ Sagittarii	9	15 36.51	− 0.35	−23.84	68 41 53.02	43.647	− 2.68	+2 20.1	18 15 12.32	.....	−29 52 7.4	....
24	η Serpentis	9	17 2.07	− 0.33	**−23.92**	41 45 50.70	45.640	− 2.68	+ 49.1	18 16 37.90	.....	− 2 55 19.8	....
25	λ Sagittarii	9	22 47.62	− 0.34	−23.84	64 17 52.02	45.578	− 2.68	+1 53.9	18 22 23.44	.....	−25 28 24.4	....
26	3 H. Scuti	9	30 41.41	− 0.33	**−23.85**	47 7 52.50	48.105	− 2.68	+ 59.3	18 30 17.24	.....	− 8 18 28.1	....
27	θ Serpentis	9	52 7.81	− 0.34	**−23.84**	34 45 51.40	44.760	− 2.68	+ 38.3	18 51 43.62	.....	+ 4 5 10.4	....
28	γ^2 Ursæ Minoris s. p.	9	21 15.14	+ 0.47	−23.97	291 3 48.50	44.665	− 2.07	−2 23.9	15 20 51.64	.....	+72 9 42.6	....
29	ζ Ursæ Minoris s. p.	9	47 39.94	+ 0.76	−23.98	296 57 47.70	45.922	− 2.07	−1 49.4	15 47 16.72	.....	+78 4 44.9	....
	August 26, P.												
30	γ Sagittarii	9	59 53.11	− 0.37	+ 7.00	69 13 48.20	47.702	− 1.76	+2 23.1	17 59 59.74	.....	−30 25 39.2	....
31	μ Sagittarii	9	8 14.57	− 0.36	+ 7.00	59 53 48.38	48.190	− 1.69	+1 34.0	18 8 21.21	.....	−21 5 1.6	....
32	δ Sagittarii	9	15 5.62	− 0.37	+ 7.00	68 41 48.62	43.820	− 1.64	+2 19.1	18 15 12.25	.....	−29 52 7.1	....
33	λ Sagittarii	9	22 16.79	− 0.36	+ 7.00	64 17 48.85	45.690	− 1.58	+1 53.0	18 22 23.43	.....	−25 28 24.0	....
34	Moon I, S	9	31 23.96	− 0.37	+ 7.00	65 15 49.18	46.588	− 1.50	+1 58.1	18 31 30.59	+72.76	−26 26 50.1	....
35	φ Sagittarii	9	39 53.92	− 0.35	+ 7.00	65 53 47.70	47.278	− 1.43	+2 1.8	18 40 0.57	.....	−27 5 8.1	....
36	σ Sagittarii	9	49 33.03	− 0.35	+ 7.00	65 13 47.88	46.175	− 1.35	+1 58.1	18 49 39.68	.....	−26 24 39.4	....
37	ξ Sagittarii	9	52 13.67	− 0.34	+ 7.00	60 3 49.05	44.410	− 1.33	+1 34.8	18 52 20.33	− 2.08	−21 13 37.0	+16.5
38	ι Ceti	9	14 43.02	− 0.34	**+ 7.03**	48 9 50.22	45.368	− 1.00	+1 1.6	0 14 49.70	.....	− 9 19 27.3	....
39	44 Piscium	9	20 39.73	− 0.34	**+ 6.98**	37 23 48.12	46.775	− 1.00	+ 42.2	0 20 46.41	.....	+ 1 26 22.1	....
40	12 Ceti	9	25 19.07	− 0.34	**+ 7.08**	43 17 49.12	45.585	− 1.00	+ 52.0	0 25 25.75	.....	− 4 27 21.5	....
41	13 Ceti	9	30 29.28	− 0.34	+ 7.02	42 55 48.05	45.690	− 1.00	+ 51.3	0 30 35.96	.....	− 4 5 22.2	....
42	Mars I, C	5	33 6.38	− 0.34	+ 7.02	41 15 50.08	49.868	− 1.00	+ 48.4	0 33 13.06	+ 0.77	− 2 25 21.5	....
43	Mars II	5	33 8.01	− 0.34	+ 7.02	... .	......	....	. ....	0 33 14.69	− 0.86	... .	....
44	δ Piscium	9	43 52.97	− 0.34	**+ 7.02**	31 45 48.48	43.852	− 1.00	+ 34.2	0 43 59.65	.....	+ 7 5 36.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 19 44	30.015	73.5	71.5
3 23	30.005	64.2	62.8
3 50	......	....	62.0
4 58	30.014	65.0	64,0
6 5	30.028	69.0	68.5
25 10 17	30.030	82.0	84.0
11 26	30.020	84.2	86.9
15 22	29.970	86.1	86.0
15 49	......	....	84.8
16 57	29.950	82.3	81.0
17 14	......	....	80.2
17 36	29.956	80.9	79.0
17 58	......	....	78.2
18 23	......	....	77.1
18 53	29.952	77.5	76.0
3 22	29.872	67.6	65.7
3 49	......	....	65.4
5 20	29.882	69.4	....
26 17 57	29.825	80.5	79.2
18 20	......	....	79.0
18 37	......	....	78.2
18 54	29.828	79.0	77.8
0 11	29.828	75.0	73.5
0 36	......	....	73.4

Micrometer bisections are made at II, VI, except as noted below.

3–6.	Bisections at b$_4$, b$_5$, b$_6$.
7, 16.	Bisections at I, II, III.
8, 17.	Bisections at V, VI, VII.
9, 11, 22, 25, 30, 42.	Bisections at I, II, VI, VII.
10, 28, 29.	Bisections at II, III, V, VI.
12.	Bisections at III, IV, V.
13.	Bisections at II, VI, VII.
14.	Bisections at I, II.
20, 23.	Bisections at I, II, VI.
34.	Bisections at II, III, IV, V, VI.
42.	Z. D. threads C used.

Note.
30. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 4.1	+15 50.7	...	+15 54.8
8	+ 4.0	−15 50.8	...	−15 46.8
9	+ 3.9	.. ....	− 0.1	+ 3.8
16	+50 47.4	−15 29.8	...	+35 17.6
17	+51 1.2	+15 29.8	− 0.7	+66 30.3
34	+52 21.6	+15 46.0	...	+68 7.6
42	+ 13.6	.. ....	0.0	+ 13.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	20 Ceti	9	48 16.77	− 0.34	**+6.98**	40 27 48.35	47.680	− 1.00	+ 47.1	0 48 23.45	.....	− 1 38 3.7	....
2	α Ursæ Minoris	9	27 10.44	−11.48	+7.02	310 3 47.28	44.303	− 1.00	−1 5.3	1 27 5.98	.....	+88 49 6.7	....
	August 27, L.												
3	Sun I, N	9	21 28.16	− 0.29	+7.00	28 25 50.28	48.455	− 0.42	+ 29.4	10 21 34.87	+64.65	+10 23 53.5	....
4	Sun II, S	9	23 37.47	− 0.29	+7.00	28 57 51.35	47.685	− 0.42	+ 30.1	10 23 44.18	−64.66	+ 9 52 9.7	....
5	Mercury I, C	9	36 49.26	− 0.29	+7.00	36 9 51.22	46.331	− 0.41	+ 39.5	11 36 55.97	+ 0.18	+ 2 40 31.2	....
6	γ^2 Ursæ Minoris	9	20 45.06	− 0.78	+7.01	326 41 46.55	46.784	− 0.32	− 35.3	15 20 51.29	.....	+72 9 39.9	....
7	ζ Ursæ Minoris	9	47 10.43	− 1.08	+7.01	320 47 46.90	44.447	− 0.32	− 43.8	15 47 16.36	.....	+78 4 40.8	....
8	ε Ursæ Minoris	9	55 10.36	− 1.57	+7.02	316 39 46.32	47.850	− 0.32	− 51.0	16 55 15.81	.....	+82 11 31.6	....
9	σ Ophiuchi	9	21 54.72	− 0.34	**[+7.02]**	34 37 50.90	44.670	− 0.32	+ 37.6	17 22 1.40	.....	+ 4 13 11.3	....
10	α Ophiuchi	9	30 37.40	− 0.34	**+6.99**	26 13 50.52	43.975	− 0.32	+ 26.9	17 30 44.08	.....	+12 37 38.2	....
11	β Ophiuchi	9	38 53.47	− 0.34	**+7.03**	34 13 50.12	46.922	− 0.32	+ 37.2	17 39 0.15	.....	+ 4 36 21.0	....
12	ν Ophiuchi	9	53 56.05	− 0.34	**+7.02**	48 35 51.55	46.122	− 0.32	+1 2.0	17 54 2.73	.....	− 9 45 46.9	....
13	δ Ursæ Minoris	5	1 37.22	− 3.42	+7.02	312 15 44.95	44.257	− 0.32	−1 0.0	18 1 40.82	.....	+86 37 4.2	....
14	72 Ophiuchi	9	2 57.03	− 0.34	**+7.05**	29 17 50.08	45.188	− 0.32	+ 30.7	18 3 3.71	.....	+ 9 33 7.2	....
15	η Serpentis	9	16 31.19	− 0.34	**+6.94**	41 45 49.95	45.592	− 0.32	+ 49.0	18 16 37.87	.....	− 2 55 20.2	....
16	3 H. Scuti	9	30 10.51	− 0.34	**+7.03**	47 7 51.62	48.057	− 0.32	+ 59.2	18 30 17.19	.....	− 8 18 28.4	....
17	θ Serpentis	9	51 36.93	− 0.34	**+7.02**	34 45 50.25	44.708	− 0.32	+ 38.2	18 51 43.61	.....	+ 4 5 10.5	....
18	51 H. Cephei S. P.	9	57 52.72	+ 3.79	+7.03	306 4	......	....	. ....	6 58 3.54	.....	+87 11	....
19	π Sagittarii	9	4 16.76	− 0.35	+7.03	59 59 50.25	45.662	− 0.32	+1 35.0	19 4 23.44	.....	−21 10 8.0	....
20	ψ Sagittarii	9	9 53.37	− 0.36	+7.03	64 13 50.65	46.744	− 0.32	+1 53.4	19 10 0.04	.....	−25 24 51.5	....
21	d Sagittarii	9	12 14.18	− 0.35	**+7.07**	57 55 50.20	48.072	− 0.32	+1 27.6	19 12 20.86	.....	−19 6 55.7	....
22	δ Aquilæ	9	20 49.93	− 0.34	**+7.06**	35 53 50.30	47.508	− 0.32	+ 39.8	19 20 56.62	.....	+ 2 56 4.9	....
23	h Sagittarii	9	31 6.01	− 0.36	+7.03	63 53 50.92	47.434	− 0.32	+1 51.7	19 31 12.68	.....	−25 5 5.9	....
24	Moon I, S	9	34 22.18	− 0.37	+7.03	64 47 50.72	43.020	− 0.32	+1 56.1	19 34 28.84	+73.78	−25 57 29.3	....
25	f Sagittarii	9	40 58.98	− 0.35	+7.03	58 47 48.08	47.678	− 0.32	+1 30.6	19 41 5.66	− 2.33	−19 58 47.5	− 3.0
26	c Sagittarii	9	56 59.81	− 0.36	+7.03	66 47 50.22	43.286	− 0.32	+2 7.9	19 57 6.48	.....	−27 57 46.6	....
27	γ^2 Ursæ Minoris S. P.	9	20 43.87	+ 0.47	+7.05	291 3 45.22	44.720	− 0.81	−2 23.7	15 20 51.39	.....	+72 9 41.6	....
28	ζ Ursæ Minoris S. P.	8	47 8.03	+ 0.75	+7.06	296 57 48.15	45.885	− 0.81	−1 49.2	15 47 15.84	.....	+78 4 46.2	....
	August 30, M.												
29	Sun I, S	9	32 24.29	− 0.23	+7.36	30 1 54.12	46.770	− 1.76	+ 32.1	10 32 31.42	+64.43	+ 8 48 26.6	....
30	Sun II, N	9	34 33.15	− 0.23	+7.36	29 29 51.95	47.655	− 1.76	+ 31.4	10 34 40.28	−64.43	+ 9 20 10.1	....
31	Mercury C, C	9	52 52.42	− 0.24	+7.36	38 19 50.18	46.679	− 1.79	+ 43.7	11 52 59.54	+ 0.03	+ 0 30 21.5	....
32	α Ursæ Minoris S. P.	6	26 55.92	+ 5.35	+7.37	307 41 48.28	45.222	− 1.79	−1 10.9	1 27 8.64	.....	+88 49 8.6	....
33	σ Ophiuchi	9	21 54.22	− 0.27	**[+7.41]**	34 37 50.88	44.735	− 1.77	+ 38.5	17 22 1.33	.....	+ 4 13 10.4	....
34	α Ophiuchi	9	30 36.87	− 0.28	**+7.41**	26 13 49.82	44.050	− 1.77	+ 27.5	17 30 43.97	.....	+12 37 38.1	....
35	β Ophiuchi	9	38 53.00	− 0.27	**+7.39**	34 13 51.68	46.875	− 1.77	+ 38.0	17 39 0.11	.....	+ 4 36 21.2	....
36	ν Ophiuchi	9	53 55.57	− 0.28	**+7.40**	48 35 51.35	46.150	− 1.77	+1 3.4	17 54 2.67	.....	− 9 45 47.3	....
37	δ Ursæ Minoris	9	1 34.67	− 2.62	+7.38	312 15 46.88	44.247	− 1.77	−1 1.3	18 1 39.43	.....	+86 37 5.3	....
38	η Serpentis	9	16 30.69	− 0.28	**+7.34**	41 45 50.45	45.600	− 1.77	+ 50.0	18 16 37.79	.....	− 2 55 20.4	....
39	3 H. Scuti	9	30 10.06	− 0.28	**+7.39**	47 7 51.02	48.110	− 1.77	+1 0.4	18 30 17.17	.....	− 8 18 28.8	....
40	θ Serpentis	9	51 36.49	− 0.27	**+7.36**	34 45 49.72	44.760	− 1.77	+ 38.9	18 51 43.61	.....	+ 4 5 10.6	....
41	51 H. Cephei S. P.	9	57 54.28	+ 2.90	+7.39	306 3 47.30	46.178	− 1.77	−1 16.6	6 58 4.57	.....	+87 11 23.8	....
42	ω Aquilæ	9	13 27.47	− 0.28	**+7.41**	27 23 49.70	48.320	− 1.77	+ 29.2	19 13 34.58	.....	+11 25 58.9	....
43	δ Aquilæ	9	20 49.53	− 0.27	**+7.36**	35 53 50.28	47.585	− 1.77	+ 40.7	19 20 56.65	.....	+ 2 56 3.6	....
44	κ Aquilæ	9	31 54.77	− 0.27	**+7.42**	46 3 51.65	46.252	− 1.77	+ 58.3	19 32 1.89	.....	− 7 13 44.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 0 50	29.827	74.0	73.0
1 33	29.824	74.0	72.9
27 10 24	29.894	83.2	83.5
11 37	29.880	85.0	85.1
15 22	29.844	85.3	85.8
15 54	......	....	84.8
16 56	29.838	81.7	81.1
17 24	......	....	80.1
17 40	29.840	79.1	78.3
18 3	......	....	77.7
18 31	......	....	76.0
18 52	29.850	77.0	76.0
19 3	......	....	76.0
19 36	......	....	76.5
19 58	29.850	76.0	74.3
3 22	29.844	67.8	66.0
3 50	......	....	66.0
30 10 35	30.026	74.8	74.0
11 53	30.006	75.8	75.7
13 27	29.982	77.0	76.8
17 22	29.976	72.3	71.0
17 39	......	....	70.1
18 17	29.986	70.3	68.7
19 6	......	....	67.4

Micrometer bisections are made at II, VI, except as noted below.

2, 32, 37, 41.	Bisections at b_4, b_5, b_6.
3, 29.	Bisections at I, II, III.
4.	Bisections at V, VI.
5, 20, 23, 25–27, 31.	Bisections at I, II, VI, VII.
6.	Bisections at II, III, V, VI.
7, 16, 19, 21.	Bisections at II, VI, VII.
8.	Bisections at III, IV, V.
13.	Bisections at b_3, b_4, b_5.
24.	Bisections at II, III, IV, V, VI.
28.	Bisections at III, V.
30.	Bisections at V, VI, VII.

Notes.

6, 16.	Unsteady.
7, 28.	Very faint.
32.	Poor at times.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 4.1	−15 51.8	...	−15 47.7
4	+ 4.2	+15 51.9	...	+15 56.1
5	+ 4.1	.. ....	− 0.2	+ 3.9
24	+53 2.5	+16 2.1	...	+69 4.6
29	+ 4.3	+15 51.7	...	+15 56.0
30	+ 4.3	−15 51.8	...	−15 47.5
31	+ 4.4	.. ....	− 0.2	+ 4.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Aquilæ	9	41 50.91	− 0.28	**+7.38**	28 27 50.78	43.970	− 1.77	+ 30.5	19 41 58.02	.....	+10 23 36.0	....
2	Moon I, S.	9	42 3.86	− 0.26	+7.40	53 23 50.00	46.703	− 1.90	+1 16.2	22 42 11.00	+71.15	−14 34 11.3	....
3	Moon II	9	44 26.21	− 0.26	+7.40	... .	......	....	. ....	22 44 33.35	−71.20	.. ..	....
4	φ Aquarii	9	9 31.83	− 0.24	**+7.39**	45 23 52.32	42.140	− 2.04	+ 57.3	23 9 38.99	.....	− 6 32 10.1	....
5	ψ³ Aquarii	9	14 8.95	− 0.25	+7.40	48 55 52.00	47.375	− 2.04	+1 5.0	23 14 16.10	− 2.39	−10 6 17.2	−14.5
6	30 Piscium	9	57 12.76	− 0.24	+7.41	45 21 50.65	44.258	− 2.04	+ 57.4	23 57 19.93	.....	− 6 30 57.1	....
7	33 Piscium	9	0 35.83	− 0.24	**+7.38**	45 3 50.58	43.785	− 2.04	+ 56.8	0 0 43.00	.....	− 6 12 45.6	....
8	ι Ceti	9	14 42.62	− 0.25	**+7.41**	48 9 49.32	45.352	− 2.04	+1 3.3	0 14 49.78	.....	− 9 19 26.6	....
9	44 Piscium	9	20 39.28	− 0.24	**+7.40**	37 23 50.00	46.662	− 2.04	+ 43.4	0 20 46.45	.....	+ 1 26 22.6	....
10	12 Ceti	9	25 18.67	− 0.24	**+7.45**	43 17 50.58	45.502	− 2.04	+ 53.5	0 25 25.84	.....	− 4 27 21.5	....
11	Mars I, C.	5	31 53.47	− 0.24	+7.41	41 25 50.22	48.651	− 2.04	+ 50.1	0 32 0.64	+ 0.73	− 2 34 54.5	....
12	Mars II	5	31 54.98	− 0.24	+7.41	... .	......	....	. ....	0 32 2.15	− 0.78	.. ..	....
13	α Ursæ Minoris	9	27 10.33	− 6.98	+7.41	310 3 50.48	44.265	− 2.04	−1 7.3	1 27 10.76	.....	+88 49 7.5	....
	August 31, P.												
14	Sun I, S.	9	36 2.53	− 0.20	+7.40	30 23 51.40	45.657	− 1.49	+ 32.4	10 36 9.73	+64.43	+ 8 26 54.2	....
15	Sun II, N.	9	38 11.39	− 0.20	+7.40	29 51 53.50	46.272	− 1.49	+ 31.7	10 38 18.59	−64.43	+ 8 58 39.6	....
16	σ Ophiuchi	9	21 54.18	− 0.25	**[+7.41]**	34 37 52.25	44.685	− 2.20	+ 38.2	17 22 1.36	.....	+ 4 13 10.9	....
17	α Ophiuchi	9	30 36.77	− 0.26	**+7.47**	26 13 52.72	43.905	− 2.20	+ 27.3	17 30 43.94	.....	+12 37 39.1	....
18	β Ophiuchi	9	38 52.88	− 0.25	**+7.47**	34 13 52.75	46.832	− 2.20	+ 37.7	17 39 0.07	.....	+ 4 36 21.8	....
19	ν Ophiuchi	9	53 55.52	− 0.25	**+7.41**	48 35 52.52	46.128	− 2.20	+1 2.8	17 54 2.71	.....	− 9 45 46.9	....
20	δ Ursæ Minoris	9	1 33.89	− 2.52	+7.44	312 15 47.62	44.200	− 2.20	−1 0.7	18 1 38.81	.....	+86 37 5.5	....
21	η Serpentis	9	16 30.60	− 0.25	**+7.39**	41 45 52.60	45.495	− 2.20	+ 49.5	18 16 37.79	.....	− 2 55 19.2	....
22	3 H. Scuti	9	30 9.98	− 0.25	**+7.42**	47 7 53.70	48.005	− 2.20	+ 59.8	18 30 17.17	.....	− 8 18 28.0	....
23	θ Serpentis	9	51 36.40	− 0.25	**+7.41**	34 45 52.20	44.662	− 2.20	+ 38.5	18 51 43.59	.....	+ 4 5 11.2	....
24	51 H. Cephei s. p.	9	57 55.50	+ 2.79	+7.44	306 3 48.45	46.128	− 2.20	−1 15.8	6 58 5.73	.....	+87 11 24.2	....
25	ω Aquilæ	9	13 27.37	− 0.26	**+7.48**	27 23 52.42	48.215	− 2.20	+ 28.9	19 13 34.55	.....	+11 25 59.3	....
26	δ Aquilæ	9	20 49.38	− 0.25	**+7.48**	35 53 52.90	47.445	− 2.20	+ 40.3	19 20 56.57	.....	+ 2 56 5.1	....
27	κ Aquilæ	9	31 54.71	− 0.25	**+7.45**	46 3 51.52	46.282	− 2.20	+ 57.7	19 32 1.90	.....	− 7 13 44.3	....
28	γ Aquilæ	9	41 50.84	− 0.25	**+7.41**	28 27 52.40	43.912	− 2.20	+ 30.2	19 41 58.03	.....	+10 23 36.4	....
29	Moon II, S.	9	43 3.74	− 0.26	+7.46	47 9 50.60	46.847	− 1.90	+1 0.0	23 43 10.94	−69.94	− 8 19 59.0	....
	September 1, L.												
30	Sun I, S.	9	39 40.30	− 0.20	+7.43	30 45 52.05	44.867	− 3.07	+ 32.6	10 39 47.53	+64.39	+ 8 5 13.0	....
31	Sun II, N.	9	41 49.08	− 0.20	+7.43	30 13 53.10	45.535	− 3.07	+ 31.9	10 41 56.31	−64.39	+ 8 36 58.2	....
32	α Ursæ Minoris s. p.	9	26 59.11	+ 5.99	+7.43	307 41 49.02	45.360	− 3.65	−1 10.7	1 27 12.53	.....	+88 49 10.6	....
33	ε Ursæ Minoris	9	55 8.43	− 1.03	+7.44	316 39 48.32	47.967	− 3.18	− 52.2	16 55 14.84	.....	+82 11 31.0	....
34	σ Ophiuchi	9	21 54.08	− 0.20	**[+7.45]**	34 37 52.10	44.690	− 3.18	+ 38.6	17 22 1.32	.....	+ 4 13 11.5	....
35	α Ophiuchi	9	30 36.69	− 0.21	**+7.49**	26 13 52.48	43.960	− 3.18	+ 27.5	17 30 43.92	.....	+12 37 38.9	....
36	β Ophiuchi	9	38 52.80	− 0.20	**+7.49**	34 13 52.22	46.868	− 3.18	+ 38.1	17 39 0.04	.....	+ 4 36 22.1	....
37	ν Ophiuchi	9	53 55.48	− 0.20	**+7.43**	48 35 52.62	46.158	− 3.18	+1 3.5	17 54 2.67	.....	− 9 45 47.4	....
38	δ Ursæ Minoris	5	1 33.02	− 2.27	+7.44	312 15 47.25	44.320	− 3.18	−1 1.3	18 1 38.19	.....	+86 37 4.6	....
39	72 Ophiuchi	9	2 56.43	− 0.20	**+7.44**	29 17 51.78	45.190	− 3.18	+ 31.5	18 3 3.67	.....	+ 9 33 7.5	....
40	η Serpentis	9	16 30.49	− 0.20	**+7.44**	41 45 51.82	45.550	− 3.18	+ 50.1	18 16 37.73	.....	− 2 55 19.4	....
41	3 H. Scuti	9	30 9.92	− 0.20	**+7.42**	47 7 52.35	48.065	− 3.18	+1 0.6	18 30 17.16	.....	− 8 18 27.8	....
42	θ Serpentis	9	51 36.31	− 0.20	**+7.44**	34 45 51.20	44.722	− 3.18	+ 39.1	18 51 43.56	.....	+ 4 5 11.2	....
43	51 H. Cephei s. p.	7	57 56.09	+ 2.58	+7.45	306 3 49.62	46.202	− 3.18	−1 16.9	6 58 6.12	.....	+87 11 25.0	....
44	ω Aquilæ	9	13 27.26	− 0.21	**+7.52**	27 23 51.68	48.255	− 3.18	+ 29.3	19 13 34.50	.....	+11 25 59.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 19 42	29.988	68.2	66.6
22 40	29.974	64.5	63.0
23 7	29.968	64.0	63.2
23 55	......	....	62.3
0 31	29.952	63.2	61.3
1 27	29.946	62.0	60.2
31 10 38	29.948	75.2	75.8
17 20	29.820	74.0	72.7
17 41	......	....	72.1
17 58	......	....	71.6
18 21	29.816	72.0	71.0
18 45	......	....	70.1
19 4	......	....	69.9
19 24	......	....	69.2
19 43	29.804	70.0	69.0
23 44	29.760	69.0	67.9
1 10 42	29.740	76.8	76.0
13 27	29.740	75.0	74.0
16 57	29.754	69.2	68.0
17 33	......	....	66.2
18 6	29.774	66.2	64.9
18 18	......	....	64.1
18 32	......	....	63.3
18 53	......	....	62.8

Micrometer bisections are made at II, VI, except as noted below.

2, 29.	Bisections at II, III, IV, V, VI.
4.	Bisection at VI.
11.	Z. D. threads C used.
11.	Bisections at I, II, VI, VII.
13, 20, 24, 43.	Bisections at b_4, b_5, b_6.
14, 30.	Bisections at I, II, III.
15, 31.	Bisections at V, VI, VII.
32.	Bisections at b_3, b_4, b_5, b_6, b_7.
33.	Bisections at III, IV, V.
38.	Bisections at b_3, b_4, b_5.

Note.

32. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+48 46.9	+16 37.6	...	+65 24.5
11	+ 14.0	.. ....	0.0	+ 14.0
14	+ 4.4	+15 52.6	...	+15 57.0
15	+ 4.3	−15 52.7	...	−15 48.4
29	+44 40.5	+16 40.5	− 0.2	+61 20.8
30	+ 4.4	+15 52.6	...	+15 57.0
31	+ 4.4	−15 52.6	...	−15 48.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Aquilæ	9	20 49.38	− 0.20	**+7.42**	35 53 51.58	47.522	− 3.18	+ 40.9	19 20 56.63	.....	+ 2 56 5.0	....
2	κ Aquilæ	9	31 54.64	− 0.20	**+7.46**	46 3 52.52	46.240	− 3.18	+ 58.6	19 32 1.89	.....	− 7 13 44.3	....
3	γ Aquilæ	9	41 50.74	− 0.17	**+7.42**	28 27 51.75	43.910	− 3.18	+ 30.6	19 41 58.02	.....	+10 23 37.7	....
4	ι Ceti	9	14 42.51	− 0.16	**+7.46**	48 9 52.28	45.230	− 3.70	+1 4.0	0 14 49.82	.....	− 9 19 25.9	....
5	12 Ceti	9	25 18.64	− 0.15	**+7.43**	43 17 51.80	45.445	− 3.70	+ 54.0	0 25 25.96	.....	− 4 27 20.3	....
6	Mars I, C	5	30 58.24	− 0.15	+7.47	41 31 51.95	48.618	− 3.70	+ 50.8	0 31 5.56	+ 0.88	− 2 40 54.5	....
7	Mars II	5	31 0.06	− 0.15	+7.47	... .	......	....	.....	0 31 7.38	− 0.94	.. ..	....
8	Moon II, N	9	39 57.29	− 0.15	+7.47	39 53 53.42	46.577	− 3.70	+ 48.0	0 40 4.61	−69.14	− 1 3 41.8	....
9	δ Piscium	9	43 52.41	− 0.15	**+7.50**	31 45 50.78	43.722	− 3.70	+ 35.6	0 43 59.73	.....	+ 7 5 38.5	....
10	20 Ceti	9	48 16.29	− 0.14	**+7.38**	40 27 51.72	47.490	− 3.70	+ 49.0	0 48 23.62	.....	− 1 38 2.0	....
11	η Ceti	9	3 55.56	− 0.14	+7.47	49 29 52.30	45.435	− 3.70	+1 7.2	1 4 2.89	.....	−10 39 33.6	....
12	ζ^1 Piscium	9	8 53.29	− 0.14	**+7.49**	31 45 51.18	43.005	− 3.70	+ 35.6	1 9 0.62	.....	+ 7 5 54.4	....
13	α Ursæ Minoris	9	27 9.22	− 5.39	+7.47	310 3 47.72	44.530	− 3.70	−1 8.1	1 27 11.30	.....	+88 49 6.6	....
14	ε Ursæ Minoris s. p.	9	55 6.88	+ 0.27	+7.49	301 3 45.70	47.557	− 3.82	−1 35.3	16 55 14.64	.....	+82 11 32.8	....
15	ζ Draconis s. p.	9	8 24.31	+ 0.13	+7.49	284 43 45.28	48.335	− 3.70	−3 35.0	17 8 31.93	.....	+65 49 50.3	....
16	δ Orionis	9	27 14.78	− 0.01	[**+7.47**]	39 11 52.60	46.800	− 3.54	+ 47.1	5 27 22.26	.....	− 0 21 45.3	....
17	κ Orionis	9	43 19.62	− 0.02	[**+7.48**]	48 31 30.38	47.175	− 3.40	+1 5.2	5 43 27.09	.....	− 9 41 49.9	....
18	α Orionis	9	50 8.01	0.00	[**+7.47**]	31 27 49.28	43.928	− 3.34	+ 35.3	5 50 15.50	.....	+ 7 23 35.2	....
19	δ Ursæ Minoris s. p.	9	1 30.00	+ 0.56	+7.49	305 29 48.32	45.562	− 3.24	−1 20.2	18 1 38.05	.....	+86 37 5.7	....
20	8 Monocerotis	9	18 49.84	− 0.01	[**+7.54**]	34 11 51.65	46.413	− 3.09	+ 39.0	6 18 57.32	.....	+ 4 38 32.2	....
21	10 Monocerotis	9	23 20.91	− 0.01	[**+7.59**]	43 31 51.12	47.485	− 3.05	+ 54.4	6 23 28.39	.....	− 4 42 7.2	....
22	S Monocerotis	9	35 50.99	0.00	[**+7.56**]	28 51 52.85	45.627	− 2.95	+ 31.6	6 35 58.48	.....	+ 9 58 56.1	....
	September 2, M.												
23	Sun I, N	8	43 17.45	− 0.07	+7.62	30 35 50.85	45.047	− 3.18	+ 33.2	10 43 25.00	+64.32	+ 8 15 9.6	....
24	Sun II, S	9	45 26.08	− 0.07	+7.62	31 7 50.05	44.498	− 3.18	+ 33.9	10 45 33.63	−64.31	+ 7 43 23.0	....
25	Mercury C, C	9	8 8.28	− 0.09	+7.63	40 25 52.58	47.600	− 3.58	+ 47.5	12 8 15.82	+ 0.04	− 1 36 4.0	....
26	Venus I, C	9	48 17.17	− 0.09	+7.63	43 33 52.95	48.134	− 3.58	+ 52.9	12 48 24.71	+ 0.44	− 4 44 21.9	....
27	α Ursæ Minoris s. p.	9	27 5.11	+ 2.37	+7.64	307 41 50.48	45.278	− 3.02	−1 11.4	1 27 15.12	.....	+88 49 9.7	....
28	σ Ophiuchi	9	21 53.77	− 0.15	[**+7.69**]	34 37 50.62	44.778	− 3.02	+ 38.6	17 22 1.27	.....	+ 4 13 10.8	....
29	β Ophiuchi	9	38 52.54	− 0.15	**+7.68**	34 13 49.62	47.030	− 3.02	+ 38.1	17 39 0.04	.....	+ 4 36 20.8	....
30	ν Ophiuchi	9	53 55.17	− 0.15	**+7.63**	48 35 50.45	46.275	− 3.02	+1 3.5	17 54 2.68	.....	− 9 45 48.1	....
31	δ Ursæ Minoris	9	1 31.61	− 1.44	+7.66	312 15 48.15	44.228	− 3.02	−1 1.3	18 1 37.83	.....	+86 37 5.7	....
32	η Serpentis	9	16 30.23	− 0.15	**+7.63**	41 45 49.15	45.708	− 3.02	+ 50.1	18 16 37.74	.....	− 2 55 20.4	....
33	3 H. Scuti	9	30 9.71	− 0.15	**+7.57**	47 7 50.35	48.198	− 3.02	+1 0.5	18 30 17.22	.....	− 8 18 28.9	....
34	θ Serpentis	9	51 36.00	− 0.15	**+7.69**	34 45 49.65	44.825	− 3.02	+ 39.0	18 51 43.51	.....	+ 4 5 10.3	....
35	51 H. Cephei s. p.	9	57 56.78	+ 1.63	+7.66	306 3 49.50	46.117	− 3.02	−1 16.7	6 58 6.07	.....	+87 11 23.3	....
36	ω Aquilæ	9	13 27.04	− 0.15	**+7.67**	27 23 50.28	48.348	− 3.02	+ 29.2	19 13 34.55	.....	+11 25 58.9	....
37	δ Aquilæ	9	20 49.06	− 0.15	**+7.68**	35 53 51.10	47.560	− 3.02	+ 40.7	19 20 56.57	.....	+ 2 56 4.6	....
38	μ Aquilæ	9	29 33.12	− 0.15	**+7.65**	31 39 49.22	44.820	− 3.02	+ 34.7	19 29 40.63	.....	+ 7 11 15.1	....
39	κ Aquilæ	9	31 54.36	− 0.15	**+7.68**	46 3 50.58	46.350	− 3.02	+ 58.4	19 32 1.87	.....	− 7 13 44.8	....
40	44 Piscium	9	20 38.93	− 0.16	**+7.72**	37 23 49.18	46.710	− 3.48	+ 43.7	0 20 46.45	.....	+ 1 26 23.5	....
41	12 Ceti	9	25 18.42	− 0.16	**+7.68**	43 17 49.95	45.550	− 3.48	+ 53.9	0 25 25.94	.....	− 4 27 21.0	....
42	Mars I, C	5	30 26.24	− 0.16	+7.68	41 33 49.40	52.070	− 3.48	+ 50.8	0 30 33.76	+ 0.77	− 2 44 11.1	....
43	Mars II	5	30 27.82	− 0.16	+7.68	... .	......	....	.....	0 30 35.34	− 0.81	.. ..	....
44	δ Piscium	9	43 52.24	− 0.15	**+7.69**	31 45 47.82	43.885	− 3.48	+ 35.4	0 43 59.77	.....	+ 7 5 37.7	....
45	20 Ceti	9	48 16.08	− 0.16	**+7.63**	40 27 51.32	47.540	− 3.48	+ 48.9	0 48 23.60	.....	− 1 38 2.6	....
46	ε Piscium	9	58 7.69	− 0.15	**+7.74**	31 25 49.48	47.428	− 3.48	+ 35.0	0 58 15.22	.....	+ 7 24 15.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 19 18	29.800	63.2	61.6
19 44	29.808	62.8	61.3
0 16	29.826	57.0	54.6
0 49	......	....	53.3
1 10	......	....	53.3
1 28	29.830	55.8	52.2
4 56	......	....	51.0
5 9	29.898	54.5	51.3
5 28	......	....	52.0
5 44	......	....	53.0
6 2	......	....	54.3
6 20	......	....	56.0
6 36	29.910	58.1	56.9
2 10 45	29.914	67.0	66.9
12 8	29.910	69.7	70.0
12 48	29.904	72.0	71.2
13 27	29.900	72.2	72.3
17 22	[illegible]	68.8	68.1
18 2	......	....	67.5
18 20	[illegible]	66.5	65.8
18 30	......	....	65.7
19 32	29.898	64.4	65.0
0 21	29.904	57.8	57.0
0 37	......	....	56.6

Micrometer bisections are made at II, VI, except as noted below.

6, 42. Z. D. threads C used.
6, 15, 25, 26, 42. Bisections at I, II, VI, VII.
8. Bisections at II, III, IV, V, VI.
11, 45. Bisections at VI, VII.
13, 19, 27, 31, 35. Bisections at b_4, b_5, b_6.
14. Bisections at III, IV, V.
20–22, 40. Bisections at II, VI, VII.
23. Bisections at I, II, III.
24. Bisections at V, VI, VII.

Notes.

15. Image very poor.
21. Very faint.
27. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 14.2	.. ....	0.0	+ 14.2
8	+38 57.4	−16 38.1	...	+22 19.3
23	+ 4.4	−15 53.2	...	−15 48.8
24	+ 4.5	+15 53.3	...	+15 57.8
25	+ 4.9	.. ....	− 0.3	+ 4.6
26	+ 4.6	.. ....	− 0.1	+ 4.5
42	+ 14.3	.. ....	0.0	+ 14.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	*f* Piscium	9	13 0.76	− 0.16	+7.68	35 41 50.40	46.830	− 3.48	+ 41.2	1 13 8.28	.....	+ 3 8 22.0	....
2	α Ursæ Minoris	7	27 8.31	− 3.55	+7.69	310 3 50.38	44.265	− 3.48	−1 7.8	1 27 12.45	.....	+88 49 9.5	....
3	Moon II, N	9	36 1.21	− 0.15	+7.69	33 13 49.35	43.890	− 3.48	+ 37.6	1 36 8.75	−69.00	+ 5 37 33.8	....
	September 4, L.												
4	Sun I, N	8	50 31.80	− 0.14	+7.74	31 19 50.18	44.952	− 3.10	+ 33.8	10 50 39.40	+64.24	+ 7 31 11.7	....
5	Sun II, S	9	52 40.29	− 0.14	+7.74	31 51 50.70	44.410	− 3.10	+ 34.5	10 52 47.89	−64.25	+ 6 59 23.7	....
	September 5, M.												
6	Moon II, N	9	27 50.29	− 0.11	+8.03	17 27 51.98	47.744	− 3.97	+ 18.4	4 27 58.21	−71.07	+21 22 22.8	....
7	τ Tauri	9	36 40.35	− 0.11	[+8.04]	16 3 49.98	46.120	− 3.97	+ 16.8	4 36	.....	+22 47 3.5	....
8	*i* Tauri	9	45 56.24	− 0.11	....	20 9 49.75	45.480	− 3.97	+ 21.4	4 46	.....	+18 41 13.8	....
9	ι Tauri	9	57 32.62	− 0.11	[+8.07]	17 23 49.60	44.342	− 3.97	+ 18.3	4 57	.....	+21 27 42.8	....
10	11 Orionis	9	59 15.33	− 0.11	[+8.07]	23 33 49.52	46.450	− 3.97	+ 25.5	4 59	.....	+15 16 47.7	....
11	β Tauri	9	20 25.53	− 0.10	[+8.07]	10 19 49.15	44.235	− 3.97	+ 10.6	5 20	.....	+28 31 53.6	....
	September 6, P.												
12	β Tauri	9	20 25.54	− 0.12	[+8.11]	10 19 50.12	44.150	− 3.78	+ 10.5	5 20 33.53	.....	+28 31 54.5	....
13	Moon II, N	9	27 19.57	− 0.11	+8.09	14 41 50.68	46.829	− 3.74	+ 15.0	5 27 27.55	−71.52	+24 8 48.2	....
14	ζ Tauri	9	32 5.44	− 0.11	[+8.12]	17 45 52.05	45.245	− 3.71	+ 18.3	5 32 13.44	.....	+21 5 19.6	....
15	κ Orionis	9	43 19.24	− 0.12	[+8.11]	48 32	......	....	.....	5 43 27.24	.....	− 9 41	....
16	α Orionis	9	50 7.62	− 0.11	[+8.12]	31 28	......	....	.....	5 50 15.63	.....	+ 7 23	....
17	β Canis Majoris	8	18 34.04	− 0.12	[+8.11]	56 44	......	....	.....	6 18 42.04	.....	+ 4 38	....
18	1 Geminorum	9	58 28.28	− 0.11	[+8.12]	15 33 49.85	48.435	− 3.54	+ 15.9	5 58 36.29	.....	+23 16 11.2	....
19	μ Geminorum	5	17 20.22	− 0.11	[+8.11]	16 17 50.05	44.460	− 3.43	+ 16.6	6 17 28.23	.....	+22 33 41.0	....
	September 7, P.												
20	Sun I, N	9	1 21.13	− 0.18	+8.11	32 25 50.78	47.225	− 3.95	+ 35.2	11 1 29.06	+64.26	+ 6 24 18.6	....
21	Sun II, S	9	3 29.65	− 0.18	+8.11	32 57 52.75	46.723	− 3.95	+ 36.0	11 3 37.58	−64.26	+ 5 52 28.2	....
22	Mercury I, C	9	31 52.58	− 0.18	+8.12	43 45 50.85	46.770	− 4.19	+ 52.8	12 32 0.52	+ 0.20	− 4 55 47.9	....
23	Venus I, C	9	10 10.31	− 0.18	+8.12	46 7 53.70	44.069	− 4.19	+ 57.2	13 10 18.25	+ 0.54	− 7 16 53.4	....
24	Venus II	9	10 11.22	− 0.18	+8.12	... .	......	....	.....	13 10 19.16	− 0.37	.. ..	....
25	ε Ursæ Minoris	9	55 6.72	− 1.26	+8.17	316 39 47.05	48.047	− 5.14	− 52.1	16 55 13.63	.....	+82 11 32.5	....
26	ζ Draconis	9	8 24.03	− 0.49	+8.17	333 1 49.62	46.092	− 5.11	− 28.2	17 8 31.71	.....	+65 49 50.2	....
27	σ Ophiuchi	9	21 53.32	− 0.26	[+8.17]	34 37 51.52	44.775	− 5.07	+ 38.5	17 22 1.23	.....	+ 4 13 12.1	....
28	β Ophiuchi	9	38 52.06	− 0.26	+8.19	34 13 50.58	47.020	− 5.03	+ 38.1	17 38 59.97	.....	+ 4 36 22.1	....
29	ν Ophiuchi	9	53 54.68	− 0.26	+8.15	48 35 52.30	46.220	− 4.99	+1 3.5	17 54 2.59	.....	− 9 45 46.7	....
30	δ Ursæ Minoris	9	1 29.94	− 2.77	+8.17	312 15 47.10	44.353	− 4.97	−1 1.4	18 1 35.34	.....	+86 37 5.9	....
31	η Serpentis	9	16 29.73	− 0.26	+8.17	41 45 51.90	45.607	− 4.93	+ 50.1	18 16 37.64	.....	− 2 55 19.0	....
32	3 H. Scuti	9	30 9.17	− 0.26	+8.15	47 7 52.52	48.125	− 4.90	+1 0.6	18 30 17.08	.....	− 8 18 27.7	....
33	θ Serpentis	9	51 35.56	− 0.26	+8.17	34 45 49.90	44.840	− 4.84	+ 39.1	18 51 43.47	.....	+ 4 5 11.4	....
34	ω Aquilæ	9	13 26.56	− 0.27	+8.20	27 23 50.92	48.310	− 4.78	+ 29.3	19 13 34.47	.....	+11 26 0.8	....
35	δ Aquilæ	9	20 48.62	− 0.26	+8.17	35 53 51.75	47.540	− 4.77	+ 40.9	19 20 56.54	.....	+ 2 56 6.0	....
36	μ Aquilæ	9	29 32.64	− 0.26	+8.18	31 39 48.88	44.835	− 4.74	+ 34.8	19 29 40.56	.....	+ 7 11 16.7	....
37	κ Aquilæ	9	31 53.93	− 0.26	+8.17	46 3 51.85	46.322	− 4.74	+ 58.6	19 32 1.85	.....	− 7 13 44.0	....
38	γ Aquilæ	9	41 50.00	− 0.26	+8.19	28 27 51.32	43.980	− 4.71	+ 30.6	19 41 57.92	.....	+10 23 38.0	....
	September 8, L.												
39	Sun I, N	9	4 57.30	− 0.14	+8.19	32 47 51.50	48.500	− 3.75	+ 35.9	11 5 5.35	+64.13	+ 6 1 47.9	....
40	Sun II, S	9	7 5.57	− 0.14	+8.19	33 19 52.60	47.993	− 3.75	+ 36.7	11 7 13.62	−64.14	+ 5 29 58.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 1 10	29.902	57.2	56.3
1 36	29.902	56.8	55.7
4 10 53	29.776	67.7	69.8
5 4 28	30.020	53.8	50.8
4 51	30.024	52.8	50.0
4 59	......	....	49.7
5 20	30.026	53.2	50.8
6 5 19	29.900	59.2	57.2
5 47	......	....	58.2
6 11	......	....	60.0
6 39	29.906	62.0	61.8
7 11 3	29.928	73.3	73.3
12 30	29.920	75.0	76.0
13 11	29.920	78.0	77.0
16 53	29.925	73.0	71.8
17 19	......	....	70.0
17 44	29.934	70.0	68.2
18 9	......	....	67.0
18 36	29.950	68.0	66.0
19 0	......	....	65.0
19 23	......	....	64.6
19 43	29.954	66.0	64.0
8 11 7	30.060	71.3	72.8

Micrometer bisections are made at II, VI, except as noted below.

2, 25, 30.	Bisections at b_4, b_5, b_6
3, 6, 13.	Bisections at II, III, IV, V, VI.
4, 20, 39.	Bisections at I, II, III.
5, 21, 40.	Bisections at V, VI, VII.
9.	Bisections at I, II.
12.	Bisections at II, VI, VII.
19.	Bisections at I, VI, VII.
22, 23, 26.	Bisections at I, II, VI, VII.
31.	Bisections at I, II, VI.

Note.
19. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+33 0.2	−16 30.9	...	+16 29.3
4	+ 4.5	−15 54.0	...	−15 49.5
5	+ 4.6	+15 53.9	...	+15 58.5
6	+17 20.7	−15 53.4	...	+ 1 27.3
13	+14 26.0	−15 40.0	...	− 1 14.0
20	+ 4.7	−15 55.2	...	−15 50.5
21	+ 4.7	+15 55.2	...	+15 59.9
22	+ 5.4	.. ....	− 0.4	+ 5.0
23	+ 4.9	.. ....	− 0.1	+ 4.8
39	+ 4.7	−15 54.7	...	−15 50.0
40	+ 4.8	+15 54.7	...	+15 59.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury I, C	9	36 21.71	− 0.15	+8.19	44 23 54.00	46.472	− 3.94	+ 54.1	12 36 29.75	+ 0.20	− 5 33 45.8	....
2	ε Ursæ Minoris	9	55 6.49	− 1.05	+8.21	316 39 50.20	47.940	− 4.67	− 52.1	16 55 13.65	.....	+82 11 31.1	....
3	ζ Draconis	9	8 23.71	− 0.40	+8.21	333 1 50.58	46.063	− 4.67	− 28.2	17 8 31.52	.....	+65 49 49.9	....
4	σ Ophiuchi	9	21 53.17	− 0.22	[+8.26]	34 37 52.68	44.730	− 4.67	+ 38.5	17 22 1.16	.....	+ 4 13 11.8	....
5	β Ophiuchi	9	38 51.94	− 0.22	[+8.25]	34 13 51.92	46.975	− 4.67	+ 38.0	17 38 59.93	.....	+ 4 36 21.6	....
6	ν Ophiuchi	9	53 54.53	− 0.22	+8.24	48 35 52.90	46.185	− 4.67	+1 3.4	17 54 2.52	.....	− 9 45 46.7	....
7	δ Ursæ Minoris	9	1 29.22	− 2.30	+8.21	312 15 49.42	44.277	− 4.67	−1 1.2	18 1 35.13	.....	+86 37 4.9	....
8	η Serpentis	9	16 29.66	− 0.22	+8.18	41 45 52.25	45.610	− 4.67	+ 50.0	18 16 37.66	.....	− 2 55 19.6	....
9	3 H. Scuti	9	30 9.04	− 0.22	+8.23	47 7 52.65	48.138	− 4.67	+1 0.4	18 30 17.04	.....	− 8 18 28.1	....
10	θ Serpentis	9	51 35.47	− 0.22	+8.21	34 45 51.70	44.772	− 4.67	+ 39.0	18 51 43.47	.....	+ 4 5 11.1	....
11	ω Aquilæ	9	13 26.45	− 0.22	+8.25	27 23 50.95	48.330	− 4.67	+ 29.2	19 13 34.45	.....	+11 26 0.3	....
12	δ Aquilæ	9	20 48.49	− 0.22	+8.25	35 53 51.58	47.582	− 4.67	+ 40.8	19 20 56.49	.....	+ 2 56 5.3	....
13	μ Aquilæ	9	29 32.49	− 0.22	+8.28	31 39 50.92	44.770	− 4.67	+ 34.7	19 29 40.49	.....	+ 7 11 16.0	....
14	κ Aquilæ	9	31 53.79	− 0.22	+8.26	46 3 52.58	46.298	− 4.67	+ 58.4	19 32 1.79	.....	− 7 13 44.0	....
15	γ Aquilæ	9	41 49.91	− 0.22	+8.23	28 27 51.58	43.978	− 4.67	+ 30.5	19 41 57.91	.....	+10 23 37.9	....
16	α Aquilæ	9	46 14.61	− 0.22	+8.21	30 13 51.95	43.358	− 4.67	+ 32.8	19 46 22.61	.....	+ 8 37 49.4	....
17	β Aquilæ	9	50 44.59	− 0.22	+8.21	32 39 50.65	45.670	− 4.67	+ 36.1	19 50 52.59	.....	+ 6 10 54.5	....
18	τ Aquilæ	8	59 35.64	− 0.22	+8.27	31 49 51.48	44.370	− 4.67	+ 35.0	19 59 43.64	.....	+ 7 1 24.7	....
19	α^2 Capricorni	9	12 54.63	− 0.20	+8.24	51 39 51.85	45.268	− 4.50	+1 11.2	20 13 2.65	.....	−12 49 32.7	....
20	ρ Capricorni	9	23 34.64	− 0.20	+8.23	56 55 51.82	47.960	− 4.50	+1 26.5	20 23 42.66	.....	−18 6 49.5	....
21	ε Delphini	9	28 46.03	− 0.19	+8.19	27 51 51.18	43.550	− 4.50	+ 29.8	20 28 54.07	.....	+10 59 48.6	....
22	α Delphini	9	35 18.72	− 0.19	+8.25	23 15 51.75	44.195	− 4.50	+ 24.3	20 35 26.76	.....	+15 35 38.8	....
23	μ Aquarii	9	47 39.16	− 0.20	+8.17	48 9 51.78	45.188	− 4.50	+1 3.0	20 47 47.19	.....	− 9 19 22.6	....
24	32 Vulpeculæ	9	50 34.94	− 0.20	+8.25	11 7 51.10	46.738	− 4.50	+ 11.2	20 50 42.97	.....	+27 42 54.4	....
25	ν Aquarii	9	4 32.68	− 0.20	+8.22	50 33 52.65	47.295	− 4.50	+1 8.6	21 4 40.71	.....	−11 44 17.4	....
26	ζ Cygni	9	8 57.90	− 0.20	+8.23	8 59 51.18	45.435	− 4.50	+ 9.0	21 9 5.93	.....	+29 51 26.0	....
27	α Equulei	9	11 10.76	− 0.19	+8.20	33 57 51.30	46.712	− 4.50	+ 38.1	21 11 18.80	.....	+ 4 52 27.9	....
28	1 Pegasi	9	17 46.83	− 0.19	+8.23	19 25 51.38	45.820	− 4.50	+ 20.0	21 17 54.87	.....	+19 25 6.3	....
29	β Aquarii	9	26 40.52	− 0.19	+8.23	44 49 52.22	42.215	− 4.50	+ 56.1	21 26 48.56	.....	− 5 58 8.2	....
30	ξ Aquarii	9	32 48.91	− 0.19	+8.23	47 5 52.40	45.812	− 4.50	+1 0.8	21 32 56.95	.....	− 8 15 35.5	....
31	γ Capricorni	9	34 57.59	− 0.20	+8.23	55 53 50.82	46.662	− 4.50	+1 23.4	21 35 5.62	.....	−17 4 15.7	....
32	ε Pegasi	9	39 37.28	− 0.19	+8.19	29 23 52.35	43.782	− 4.50	+ 31.9	21 39 45.32	.....	+ 9 27 39.8	....
33	δ Capricorni	9	41 55.77	− 0.20	+8.18	55 21 51.58	46.735	− 4.50	+1 21.8	21 42 3.80	.....	−16 32 16.5	....
34	μ Capricorni	9	48 14.71	− 0.20	+8.18	52 49 51.55	42.775	− 4.50	+1 14.5	21 48 22.74	.....	−13 58 38.7	....
35	ι Aquarii	9	1 25.95	− 0.20	+8.21	53 7 51.00	47.645	− 4.50	+1 15.4	22 1 33.98	.....	−14 18 30.3	....
36	θ Pegasi	9	5 30.90	− 0.19	+8.26	33 5 50.80	44.798	− 4.50	+ 36.9	22 5 38.94	.....	+ 5 45 13.3	....
	September 10, L.												
37	ε Ursæ Minoris s. p.	9	55 3.89	+ 0.71	+8.47	301 3 48.02	47.307	− 3.77	−1 32.3	16 55 13.07	.....	+82 11 32.5	....
38	ζ Draconis s. p.	9	8 22.70	+ 0.19	+8.47	284 43 47.55	47.989	− 3.77	−3 28.3	17 8 31.36	.....	+65 49 51.3	....
39	δ Orionis	9	27 14.13	− 0.18	[+8.56]	39 11 54.12	46.812	− 3.77	+ 45.8	5 27 22.42	.....	− 0 21 45.6	....
40	κ Orionis	9	43 19.06	− 0.18	[+8.47]	48 31 50.28	46.428	− 3.77	+1 3.5	5 43 27.35	.....	− 9 41 50.6	....
41	α Orionis	9	50 7.46	− 0.18	[+8.49]	31 27 49.45	43.972	− 3.77	+ 34.3	5 50 15.73	.....	+ 7 23 35.4	....
42	δ Ursæ Minoris s. p.	9	1 23.56	+ 1.73	+8.47	305 29 44.78	45.688	− 3.77	−1 18.1	18 1 33.76	.....	+86 37 6.6	....
	September 11, L.												
43	Sun I, S	9	15 44.76	− 0.25	+8.51	34 27 50.70	48.295	− 3.25	+ 37.7	11 15 53.02	+64.08	+ 4 21 51.0	....
44	Sun II, N	9	17 52.92	− 0.25	+8.51	33 55 50.28	48.748	− 3.25	+ 37.0	11 18 1.18	−64.08	+ 4 53 42.7	....
45	ε Ursæ Minoris	9	55 5.88	− 1.38	+8.53	316 39 49.98	47.867	− 3.48	− 51.7	16 55 13.03	.....	+82 11 31.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 12 36	30.056	75.2	77.1
16 57	30.018	74.0	73.7
17 9	......	....	72.9
17 37	......	....	71.1
17 58	......	....	70.1
18 18	30.014	70.0	69.3
18 32	......	....	68.9
18 53	......	....	68.0
19 16	30.020	68.2	67.1
19 50	......	....	66.4
20 16	30.018	67.3	66.0
20 35	......	....	65.3
20 56	......	....	65.1
21 16	30.012	66.1	64.9
21 49	......	....	64.1
22 7	30.012	65.2	64.0
10 4 57	29.822	66.6	65.7
5 9	......	....	65.7
5 28	......	....	65.3
5 44	29.844	66.8	65.2
6 2	......	....	65.9
6 35	29.862	67.9	....
11 11 18	29.916	77.3	77.8
16 56	29.920	76.9	76.3

Micrometer bisections are made at II, VI, except as noted below.

1, 38.	Bisections at I, II, VI, VII.
2, 3, 37, 45.	Bisections at III, IV, V.
4.	Bisection at VI.
7, 42.	Bisections at b_4, b_5, b_6.
12.	Bisections at II, VI, VII.
13, 25, 26, 30, 32, 43.	Bisections at I, II.
18.	Bisections at VI, VII.
44.	Bisections at V, VI, VII.

Notes.

4. Through clouds.

38. Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.6	.. ....	− 0.4	+ 5.2
43	+ 4.9	+15 55.9	...	+16 0.8
44	+ 4.9	−15 55.8	...	−15 50.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Draconis	9	8 23.34	− 0.53	+8.53	333 1 31.20	46.840	− 3.48	− 27.9	17 8 31.34	.....	+65 49 50.1	....
2	σ Ophiuchi	9	21 52.87	− 0.27	[+**8.56**]	34 37 51.82	44.720	− 3.48	+ 38.1	17 22 1.13	.....	+ 4 13 11.9	....
3	β Ophiuchi	9	38 51.61	− 0.27	[+**8.58**]	34 13 51.70	46.932	− 3.48	+ 37.7	17 38 59.87	.....	+ 4 36 21.9	....
4	ν Ophiuchi	9	53 54.25	− 0.26	+**8.51**	48 35 53.35	46.138	− 3.48	+1 2.8	17 54 2.52	.....	− 9 45 46.7	....
5	δ Ursæ Minoris	9	1 27.94	− 2.87	+8.53	312 15 46.30	44.305	− 3.48	−1 0.7	18 1 33.60	.....	+86 37 5.6	....
6	η Serpentis	9	16 29.31	− 0.26	+**8.53**	41 45 52.18	45.588	− 3.48	+ 49.5	18 16 37.58	.....	− 2 55 19.7	....
7	3 H. Scuti	9	30 8.71	− 0.26	+**8.55**	47 7 53.10	48.078	− 3.48	+ 59.8	18 30 16.98	.....	− 8 18 27.8	....
8	θ Serpentis	9	51 35.13	− 0.26	+**8.54**	34 45 52.78	44.678	− 3.48	+ 38.6	18 51 43.41	.....	+ 4 5 11.4	....
9	μ Aquilæ	9	29 32.18	− 0.27	+**8.60**	31 39 50.38	44.768	− 3.48	+ 34.4	19 29 40.45	.....	+ 7 11 15.9	....
10	γ Aquilæ	9	41 49.62	− 0.27	+**8.53**	28 27 51.80	43.935	− 3.48	+ 30.2	19 41 57.89	.....	+10 23 37.7	....
11	α Aquilæ	9	46 14.30	− 0.27	+**8.53**	30 13 52.15	43.352	− 3.48	+ 32.5	19 46 22.57	.....	+ 8 37 48.4	....
12	β Aquilæ	9	50 44.29	− 0.26	+**8.51**	32 39 51.12	45.648	− 3.48	+ 35.7	19 50 52.57	.....	+ 6 10 53.8	....
13	τ Aquilæ	9	59 35.29	− 0.26	+**8.63**	31 49 50.40	44.378	− 3.48	+ 34.6	19 59 43.57	.....	+ 7 1 24.6	....
14	α² Capricorni	9	12 54.46	− 0.27	+**8.45**	51 39 51.65	45.282	− 3.48	+1 10.4	20 13 2.73	.....	−12 49 33.0	....
	September 12, M.												
15	ε Ursæ Minoris S. P.	9	55 3.41	+ 0.66	+8.79	301 3 49.45	47.270	− 3.81	−1 34.2	16 55 12.86	.....	+82 11 31.3	....
16	ζ Draconis S. P.	9	8 22.46	+ 0.17	+8.79	284 43 48.88	48.065	− 3.81	−3 32.4	17 8 31.42	.....	+65 49 50.7	....
17	δ Orionis	9	27 14.01	− 0.19	[+**8.74**]	39 11 52.78	46.870	− 3.81	+ 46.6	5 27 22.61	.....	− 0 21 46.4	....
18	α Orionis	9	50 7.19	− 0.19	[+**8.80**]	31 27 54.25	43.755	− 3.81	+ 35.0	5 50 15.79	.....	+ 7 23 34.9	....
	September 13, L.												
19	Sun I, N	9	22 55.79	− 0.17	+8.66	34 41 53.35	48.020	− 3.15	+ 38.8	11 23 4.28	+64.05	+ 4 7 53.5	....
20	Sun II, S	9	25 3.89	− 0.17	+8.66	35 13 54.50	47.608	− 3.15	+ 39.6	11 25 12.38	−64.05	+ 3 36 1.8	....
21	Mercury C, C	9	57 19.29	− 0.22	+8.66	47 21 54.82	44.514	− 3.65	+1 0.3	12 57 27.73	+ 0.06	− 8 31 8.4	....
22	α Ursæ Minoris S. P.	9	27 4.56	+ 6.12	+8.66	307 41 49.65	45.527	− 3.65	−1 11.4	1 27 19.34	.....	+88 49 14.5	....
23	Venus I, C	9	36 40.31	− 0.22	+8.66	49 5 54.78	44.408	− 3.65	+1 4.0	13 36 48.75	+ 0.47	−10 15 9.6	....
24	σ Ophiuchi	9	21 52.57	− 0.23	[+**8.79**]	34 37 54.82	44.598	− 3.89	+ 38.4	17 22 1.03	.....	+ 4 13 11.8	....
25	β Ophiuchi	9	38 51.36	− 0.23	[+**8.76**]	34 13 54.70	46.798	− 3.89	+ 38.0	17 38 59.82	.....	+ 4 36 22.1	....
26	ν Ophiuchi	9	53 54.01	− 0.23	[+**8.69**]	48 35 55.72	46.030	− 3.89	+1 3.3	17 54 2.47	.....	− 9 45 46.7	....
27	δ Ursæ Minoris	9	1 26.33	− 2.12	+8.69	312 15 50.02	44.190	− 3.89	−1 1.2	18 1 32.90	.....	+86 37 5.5	....
28	η Serpentis	9	16 29.09	− 0.23	+**8.69**	41 45 54.38	45.475	− 3.89	+ 50.0	18 16 37.55	.....	− 2 55 19.4	....
29	3 H. Scuti	9	30 8.46	− 0.23	+**8.74**	47 7 55.42	47.978	− 3.89	+1 0.3	18 30 16.92	.....	− 8 18 27.9	....
30	θ Serpentis	9	51 34.96	− 0.23	+**8.65**	34 45 55.10	44.555	− 3.89	+ 38.9	18 51 43.42	.....	+ 4 5 12.0	....
31	μ Aquilæ	9	29 31.96	− 0.23	+**8.75**	31 39 53.60	44.618	− 3.89	+ 34.6	19 29 40.42	.....	+ 7 11 16.4	....
32	κ Aquilæ	9	31 53.29	− 0.23	+**8.70**	46 3 55.60	46.150	− 3.89	+ 58.2	19 32 1.75	.....	− 7 13 44.1	....
33	α Aquilæ	9	46 14.08	− 0.23	+**8.68**	30 13 55.58	43.172	− 3.89	+ 32.7	19 46 22.54	.....	+ 8 37 49.3	....
34	β Aquilæ	9	50 44.07	− 0.23	+**8.68**	32 39 53.65	45.505	− 3.89	+ 36.0	19 50 52.53	.....	+ 6 10 54.6	....
35	τ Aquilæ	9	59 35.11	− 0.23	+**8.75**	31 49 53.92	44.188	− 3.89	+ 34.9	19 59 43.57	.....	+ 7 1 25.6	....
36	α² Capricorni	9	12 54.20	− 0.22	+**8.64**	51 39 55.05	45.115	− 3.89	+1 11.0	20 13 2.67	.....	−12 49 32.8	....
37	ρ Capricorni	9	23 34.20	− 0.22	+**8.64**	56 55 54.32	47.822	− 3.89	+1 26.3	20 23 42.67	.....	−18 6 49.2	....
38	ε Delphini	9	28 45.47	− 0.21	+**8.72**	27 51 54.40	43.368	− 3.89	+ 29.7	20 28 53.95	.....	+10 59 49.0	....
39	α Delphini	9	35 18.25	− 0.22	+**8.70**	23 15 54.42	44.050	− 3.89	+ 24.2	20 35 26.72	.....	+15 35 38.9	....
40	μ Aquarii	9	47 38.64	− 0.21	+**8.67**	48 9 56.10	44.970	− 3.89	+1 2.8	20 47 47.13	.....	− 9 19 22.3	....
41	32 Vulpeculæ	9	50 34.44	− 0.23	+**8.73**	11 7 53.90	46.582	− 3.89	+ 11.1	20 50 42.91	.....	+27 42 54.6	....
42	α Equulei	9	11 10.25	− 0.21	+**8.70**	33 57 54.40	46.535	− 3.89	+ 38.0	21 11 18.74	.....	+ 4 52 28.3	....
43	1 Pegasi	9	17 46.34	− 0.22	+**8.72**	19 25 53.58	45.668	− 3.89	+ 19.9	21 17 54.82	.....	+19 25 7.0	....
44	β Aquarii	9	26 40.05	− 0.21	+**8.69**	44 47 55.00	47.328	− 3.89	+ 56.0	21 26 48.54	.....	− 5 58 8.3	....
45	γ Capricorni	9	34 57.18	− 0.22	+**8.64**	55 53 54.32	46.525	− 3.89	+1 23.1	21 35 5.66	.....	−17 4 16.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 17 23	......	....	75.0
17 39	......	....	74.0
18 4	29.926	73.6	72.9
18 29	......	....	72.0
18 52	......	....	71.3
19 30	29.944	71.2	70.9
20 14	29.954	71.1	70.4
12 4 55	30.068	61.8	60.0
5 27	......	....	59.8
5 50	......	....	59.8
6 22	30.080	61.8	....
13 11 25	30.100	71.8	70.8
12 57	30.070	74.2	74.0
13 28	30.062	75.1	75.0
13 37	......	....	74.7
17 23	30.038	73.2	72.7
17 55	......	....	71.0
18 17	......	....	70.0
18 52	30.038	70.2	69.3
19 33	......	....	68.5
19 56	30.040	69.1	68.2
20 24	......	....	67.7
21 12	30.042	68.0	66.9

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 15, 22, 27. Bisections at b_4, b_5, b_6.
16. Bisections at III, IV, V.
19. Bisections at I, II, III.
20. Bisections at V, VII.
21, 23. Bisections at I, II, VI, VII.
32. Bisection at VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	+ 5.0	−15 55.9	...	−15 50.9
20	+ 5.0	+15 55.8	...	+16 0.8
21	+ 6.2	.. ....	− 0.4	+ 5.8
23	+ 5.3	.. ....	− 0.2	+ 5.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Pegasi	9	39 36.74	− 0.21	+8.73	29 23 54.80	43.645	− 3.89	+ 31.8	21 39 45.23	.....	+ 9 27 40.0	....
2	∂ Capricorni	9	41 55.28	− 0.22	+8.68	55 21 54.85	46.578	− 3.89	+1 21.5	21 42 3.76	.....	−16 32 16.7	....
3	μ Capricorni	9	48 14.26	− 0.22	+8.64	52 47 53.80	47.935	− 3.89	+1 14.2	21 48 22.74	.....	−13 58 39.2	....
4	ι Aquarii	9	1 25.55	− 0.22	+8.63	53 7 53.45	47.528	− 3.89	+1 15.1	22 1 34.03	.....	−14 18 30.4	....
5	θ Pegasi	9	5 30.48	− 0.21	+8.69	33 5 54.70	44.600	− 3.89	+ 36.8	22 5 38.97	.....	+ 5 45 13.5	....
6	η Pegasi	9	38 37.98	− 0.23	+8.74	9 5 54.38	46.565	− 3.89	+ 9.1	22 38 46.45	.....	+29 44 56.5	....
7	β Pegasi	9	59 15.57	− 0.23	+8.77	11 15 53.65	44.825	− 3.89	+ 11.3	22 59 24.04	.....	+27 35 34.8	....
	September 14, P.												
8	Sun I, S.	9	26 31.28	− 0.23	+8.76	35 37 55.22	44.928	− 3.05	+ 39.8	11 26 39.81	+64.09	+ 3 13 1.2	....
9	Sun II, N.	9	28 39.46	− 0.23	+8.76	35 5 55.50	45.402	− 3.05	+ 39.0	11 28 47.99	−64.09	+ 3 44 51.7	....
10	Mercury C, C.	9	1 11.15	− 0.23	+8.77	47 53 48.45	46.426	− 3.63	+1 1.3	13 1 19.69	+ 0.06	− 9 3 46.7	....
11	Venus I, C.	9	41 7.32	− 0.23	+8.77	49 33 49.78	47.428	− 3.63	+1 4.8	13 41 15.86	+ 0.58	−10 44 14.4	....
12	Venus II.	9	41 8.27	− 0.23	+8.77	... .	......	....	. ....	13 41 16.81	− 0.37	.. ..	....
13	ε Ursæ Minoris	9	55 5.02	− 1.37	+8.77	316 39 45.22	48.102	− 4.15	− 52.0	16 55 12.42	.....	+82 11 32.0	....
14	ζ Draconis	9	8 23.06	− 0.54	+8.77	333 1 46.28	46.198	− 4.15	− 28.1	17 8 31.29	.....	+65 49 50.0	....
15	σ Ophiuchi	9	21 52.58	− 0.28	[+8.81]	34 37 49.18	44.862	− 4.15	+ 38.4	17 22 1.07	.....	+ 4 13 11.7	....
16	β Ophiuchi	9	38 51.36	− 0.28	[+8.79]	34 13 47.00	47.158	− 4.15	+ 37.8	17 38 59.85	.....	+ 4 36 22.0	....
17	ν Ophiuchi	9	53 53.98	− 0.27	[+8.74]	48 35 49.02	46.368	− 4.15	+1 3.1	17 54 2.48	.....	− 9 45 47.2	....
18	∂ Ursæ Minoris	9	1 26.67	− 2.99	+8.77	312 15 44.25	44.405	− 4.15	−1 1.0	18 1 32.45	.....	+86 37 6.4	....
19	η Serpentis	9	16 29.04	− 0.28	+8.77	41 45 48.48	45.755	− 4.15	+ 49.8	18 16 37.53	.....	− 2 55 19.4	....
20	3 H. Scuti	9	30 8.50	− 0.28	+8.73	47 7 47.60	48.370	− 4.15	+1 0.1	18 30 16.99	.....	− 8 18 28.6	....
21	λ Aquilæ	9	1 18.48	− 0.28	+8.77	43 51 47.18	45.070	− 4.15	+ 53.7	19 1 26.97	.....	− 5 1 6.4	....
22	∂ Aquilæ	9	20 47.91	− 0.28	+8.80	35 53 47.72	47.732	− 4.15	+ 40.5	19 20 56.40	.....	+ 2 56 5.4	....
23	κ Aquilæ	9	31 53.24	− 0.27	+8.78	46 3 49.02	46.472	− 4.15	+ 58.0	19 32 1.74	.....	− 7 13 44.5	....
24	τ Aquilæ	9	59 35.06	− 0.27	+8.83	31 49 46.58	44.555	− 4.28	+ 34.7	19 59 43.56	.....	+ 7 1 25.1	....
25	α^2 Capricorni	9	12 54.13	− 0.26	+8.74	51 39 47.50	45.505	− 4.28	+1 10.7	20 13 2.64	.....	−12 49 33.5	....
26	ρ Capricorni	9	23 34.14	− 0.26	+8.73	56 55 47.55	48.180	− 4.28	+1 25.9	20 23 42.65	.....	−18 6 49.8	....
27	ε Delphini	9	28 45.42	− 0.27	+8.82	27 51 48.58	43.668	− 4.28	+ 29.6	20 28 53.92	.....	+10 59 48.5	....
28	α Delphini	9	35 18.19	− 0.28	+8.81	23 15 47.52	44.375	− 4.28	+ 24.1	20 35 26.68	.....	+15 35 38.9	....
29	μ Aquarii	9	47 38.59	− 0.26	+8.76	48 9 47.90	45.390	− 4.28	+1 2.6	20 47 47.10	.....	− 9 19 23.2	....
30	32 Vulpeculæ	9	50 34.41	− 0.30	+8.82	11 7 46.98	46.892	− 4.28	+ 11.1	20 50 42.88	.....	+27 42 54.8	....
31	α Equulei	9	11 10.22	− 0.27	+8.78	33 57 48.85	46.800	− 4.28	+ 37.8	21 11 18.72	.....	+ 4 52 28.5	....
32	1 Pegasi	9	17 46.31	− 0.28	+8.81	19 25 47.12	45.958	− 4.28	+ 19.8	21 17 54.80	.....	+19 25 7.3	....
33	β Aquarii	9	26 40.02	− 0.26	+8.77	44 47 48.75	47.648	− 4.28	+ 55.7	21 26 48.53	.....	− 5 58 8.7	....
34	γ Capricorni	9	34 57.14	− 0.26	+8.72	55 53 48.02	46.860	− 4.28	+1 22.8	21 35 5.65	.....	−17 4 17.1	....
35	ε Pegasi	9	39 36.74	− 0.27	+8.79	29 23 48.35	43.958	− 4.28	+ 31.6	21 39 45.24	.....	+ 9 27 40.1	....
36	∂ Capricorni	9	41 55.27	− 0.26	+8.72	55 21 47.85	46.960	− 4.28	+1 21.2	21 42 3.78	.....	−16 32 17.3	....
37	μ Capricorni	9	48 14.20	− 0.26	+8.73	52 47 47.72	48.260	− 4.28	+1 13.9	21 48 22.71	.....	−13 58 39.3	....
38	ι Aquarii	9	1 25.51	− 0.26	+8.71	53 7 47.62	47.822	− 4.28	+1 14.9	22 1 34.02	.....	−14 18 30.7	....
39	θ Pegasi	9	5 30.41	− 0.24	+8.79	33 5 47.58	44.918	− 4.28	+ 36.6	22 5 38.94	.....	+ 5 45 13.9	....
40	σ Aquarii	9	25 43.96	− 0.24	+8.76	49 59 49.65	42.625	− 4.22	+1 6.9	22 25 52.49	.....	−11 8 26.1	....
41	ζ Pegasi	9	36 49.29	− 0.24	+8.73	28 29 47.15	44.218	− 4.22	+ 30.5	22 36 57.82	.....	+10 21 36.4	....
42	η Pegasi	9	38 37.97	− 0.27	+8.79	9 5 47.38	46.882	− 4.22	+ 9.1	22 38 46.47	.....	+29 44 56.7	....
43	μ Pegasi	9	45 30.46	− 0.26	+8.80	14 43 47.08	45.175	− 4.22	+ 14.8	22 45 38.97	.....	+24 7 30.2	....
44	∂ Aquarii	9	49 43.47	− 0.24	+8.69	55 7 48.45	46.435	− 4.22	+1 20.6	22 49 52.00	.....	−16 18 5.6	....
45	β Pegasi	9	59 15.58	− 0.27	+8.80	11 15 46.40	45.140	− 4.22	+ 11.2	22 59 24.08	.....	+27 35 35.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 21 49	......	....	66.3
22 39	30.032	67.0	65.7
23 0	......	....	65.3
23 10	30.027	67.0	....
14 11 29	30.036	73.8	74.0
12 59	30.064	76.0	75.0
13 42	30.056	78.0	76.8
16 53	30.044	75.1	75.2
17 13	......	....	74.3
17 37	......	....	73.9
17 51	30.040	74.5	73.1
18 13	......	....	72.1
18 33	......	....	72.0
19 4	30.040	72.0	71.0
19 25	......	....	70.8
19 55	30.040	71.8	70.2
20 10	......	....	70.0
20 33	......	....	69.6
[illegible]	30.044	70.2	69.0
21 9	......	....	69.0
21 33	......	....	68.8
22 8	30.045	69.8	68.1
22 30	......	....	68.0
22 52	......	....	68.0
23 2	30.040	69.0	67.8

Micrometer bisections are made at II, VI, except as noted below.

1, 2. Bisections at I, II.
8. Bisections at I, II, III.
9. Bisections at V, VI, VII.
10, 11, 14. Bisections at I, II, VI, VII.
13, 18. Bisections at b_4, b_5, b_6.
36, 42. Bisections at VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	″	′ ″	″	′ ″
8	+ 5.1	+15 55.2	...	+16 0.3
9	+ 5.0	−15 55.2	...	−15 50.2
10	+ 6.4	.. ....	− 0.5	+ 5.9
11	+ 5.5	.. ....	− 0.2	+ 5.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Piscium	9	35 10.07	− 0.24	+**8.77**	33 41 47.22	47.522	− 4.22	+ 37.5	23 35 18.60	....	+ 5 8 13.8	....
2	α Andromedæ	9	3 34.86	− 0.27	+**8.79**	10 15 47.00	45.408	− 4.22	+ 10.2	0 3 43.36	....	+28 35 29.7	....
3	γ Pegasi	9	8 26.76	− 0.25	+**8.82**	24 9 47.38	46.272	− 4.22	+ 25.3	0 8 35.28	....	+14 40 54.4	....
4	*d* Piscium	9	15 48.72	− 0.24	+8.77	31 9 46.82	44.738	− 4.22	+ 34.1	0 15 57.25	− 2.39	+ 7 41 21.2	−15.4
5	Mars I, C	5	20 33.82	− 0.24	+8.77	42 23 47.75	51.020	− 4.22	+ 51.4	0 20 42.35	+ 0.89	− 3 33 45.3	....
6	Mars II	5	20 35.61	− 0.24	+8.77	... .	......	....	. ....	0 20 44.14	− 0.90	.. ..	....
7	ε Andromedæ	9	33 38.57	− 0.27	+**8.81**	10 1 46.65	46.018	− 4.22	+ 10.0	0 33 47.07	....	+28 49 16.2	....
8	ζ Andromedæ	9	42 24.66	− 0.26	+**8.78**	15 5 46.80	42.370	− 4.22	+ 15.2	0 42 33.17	....	+23 46 34.0	....
9	δ Piscium	9	43 51.46	− 0.24	+**8.75**	31 45 47.85	43.872	− 4.22	+ 34.9	0 43 59.99	....	+ 7 5 39.2	....
10	20 Ceti	9	48 15.27	− 0.24	+**8.71**	40 27 49.40	47.662	− 4.22	+ 48.0	0 48 23.80	....	− 1 38 2.1	....
11	ε Piscium	9	58 6.93	− 0.24	+**8.80**	31 25 47.48	47.545	− 4.22	+ 34.4	0 58 15.46	....	+ 7 24 16.1	....
12	ζ^1 Piscium	9	8 52.33	− 0.24	+**8.79**	31 45 48.10	43.170	− 4.22	+ 34.9	1 9 0.86	....	+ 7 5 55.0	....
13	θ Ceti	9	19 22.24	− 0.24	+**8.79**	47 29 47.58	44.112	− 4.22	+1 1.4	1 19 30.77	....	− 8 38 52.5	....
14	Saturn I, C	5	24 47.60	− 0.24	+8.77	32 51 47.25	50.948	− 4.22	+ 36.4	1 24 56.13	+ 0.73	+ 5 58 31.8	....
15	Saturn II	5	24 49.06	− 0.24	+8.77	... .	......	....	. ....	1 24 57.59	− 0.73	.. ..	....
16	ν Piscium	9	36 35.35	− 0.24	+**8.80**	33 49 47.50	43.072	− 4.22	+ 37.7	1 36 43.88	....	+ 5 1 55.0	....
17	ζ Ceti	9	46 51.86	− 0.24	+**8.73**	49 37 50.25	43.530	− 4.22	+1 6.1	1 47 0.39	....	−10 46 46.6	....
	September 14, M.												
18	ε Ursæ Minoris S. P.	7	55 2.74	+ 0.48	+8.83	301 3 45.85	47.378	− 4.31	−1 33.1	16 55 12.05	....	+82 11 30.8	....
19	γ Orionis	7	20 7.67	− 0.18	[+**8.78**]	32 33 50.95	47.390	− 4.21	+ 36.2	5 20 16.32	....	+ 6 16 14.5	....
20	δ Orionis	9	27 13.99	− 0.19	[+**8.82**]	39 11 50.92	46.990	− 4.18	+ 46.2	5 27 22.63	....	− 0 21 46.5	....
21	ζ^1 Orionis	9	36 2.50	− 0.19	[+**8.84**]	40 49 49.72	45.420	− 4.14	+ 48.9	5 36 11.14	....	− 1 59 12.1	....
22	κ Orionis	9	43 18.88	− 0.19	[+**8.77**]	48 31 51.12	46.400	− 4.11	+1 4.1	5 43 27.52	....	− 9 41 51.0	....
23	α Orionis	9	50 7.19	− 0.18	[+**8.85**]	31 27 50.60	43.957	− 4.08	+ 34.7	5 50 15.84	....	+ 7 23 34.6	....
24	*S* Monocerotis	5	35 50.25	− 0.18	[+**8.85**]	28 51 50.68	45.830	− 3.90	+ 31.2	6 35 58.90	....	+ 9 58 55.2	....
	September 15, M.												
25	Sun S	.	.. ..	....	....	35 59 50.05	47.940	− 3.15	+ 40.2	11 31	....	+ 2 49 57.2	....
26	Sun N	.	.. ..	....	....	35 27 49.70	48.507	− 3.15	+ 39.4	.. ..	....	+ 3 21 46.3	....
27	σ Ophiuchi	9	21 52.48	− 0.26	[+**8.81**]	34 37 48.52	44.962	− 4.15	+ 38.1	17 22	....	+ 4 13 10.4	....
28	β Ophiuchi	9	38 51.24	− 0.26	[+**8.81**]	34 13 48.30	47.170	− 4.25	+ 37.6	17 38	....	+ 4 36 20.7	....
29	ν Ophiuchi	9	53 53.90	− 0.26	[+**8.79**]	48 35 47.52	46.475	− 4.35	+1 2.7	17 54	....	− 9 45 47.6	....
30	δ Ursæ Minoris	9	1 26.72	− 2.86	+8.79	312 15 46.00	44.305	− 4.40	−1 0.7	18 1 32.65	....	+86 37 6.9	....
31	η Serpentis	9	16 28.97	− 0.26	+**8.80**	41 45 48.18	45.830	− 4.50	+ 49.5	18 16	....	− 2 55 20.2	....
32	3 H. Scuti	9	30 8.39	− 0.26	+**8.80**	47 7 48.52	48.362	− 4.58	+ 59.8	18 30	....	− 8 18 28.6	....
33	θ Serpentis	9	51 34.82	− 0.26	+**8.79**	34 45 47.70	44.992	− 4.66	+ 38.6	18 51	....	+ 4 5 10.5	....
	September 17, M.												
34	Mercury C	.	.. ..	....	....	49 23 48.72	48.802	− 3.58	+1 4.1	13 12	....	−10 34 44.1	....
35	Venus C	.	.. ..	....	....	50 59 47.98	46.740	− 3.58	+1 7.7	13 54	....	−12 9 59.9	....
36	ε Ursæ Minoris	9	55 4.30	− 1.28	+8.91	316 39 44.82	48.075	− 4.07	− 51.5	16 55 11.93	....	+82 11 32.4	....
37	ζ Draconis	9	8 22.66	− 0.50	+8.91	333 1 47.15	46.117	− 4.07	− 27.8	17 8 31.07	....	+65 49 51.1	....
38	σ Ophiuchi	9	21 52.32	− 0.27	[+**9.01**]	34 37 47.92	45.000	− 4.07	+ 38.0	17 22 0.96	....	+ 4 13 10.1	....
39	β Ophiuchi	9	38 51.14	− 0.27	[+**8.95**]	34 13 46.82	47.252	− 4.07	+ 37.5	17 38 59.78	....	+ 4 36 20.2	....
40	ν Ophiuchi	9	53 53.71	− 0.26	[+**8.95**]	48 35 47.90	46.465	− 4.07	+1 2.6	17 54 2.36	....	− 9 45 47.9	....
41	δ Ursæ Minoris	9	1 26.06	− 2.79	+8.91	312 15 44.95	44.312	− 4.07	−1 0.4	18 1 32.18	....	+86 37 7.1	....
42	η Serpentis	9	16 28.81	− 0.26	+**8.93**	41 45 48.30	45.850	− 4.07	+ 49.3	18 16 37.47	....	− 2 55 21.0	....
43	3 H. Scuti	9	30 8.18	− 0.26	+**8.98**	47 7 47.48	48.410	− 4.07	+ 59.6	18 30 16.84	....	− 8 18 29.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 23 32	30.040	69.0	67.5
0 1	30.047	69.0	67.2
0 24	......	....	67.1
0 38	......	....	67.0
0 55	30.039	68.5	67.0
1 15	......	....	66.9
1 48	30.031	68.0	66.9
4 55	30.038	66.4	65.2
5 20	......	....	64.4
5 43	......	....	64.0
5 50	30.042	65.8	....
6 36	30.048	66.0	64.2
15 11 32	30.036	75.0	76.4
17 21	29.952	77.4	76.3
17 39	......	....	75.2
18 1	29.950	75.2	73.7
18 52	29.952	73.5	72.0
17 13 12	29.890	76.7	76.8
13 55	29.880	77.7	77.6
16 55	29.872	77.2	77.2
17 22	......	....	76.2
17 54	29.880	74.8	74.4
18 30	......	....	73.8

Micrometer bisections are made at II, VI, except as noted below.

2, 19.	Bisections at VI, VII.
5, 14.	Z. D. threads C used.
5, 14, 34, 35.	Bisections at I, II, VI, VII.
8.	Bisections at I, II.
18, 30, 36, 37, 41.	Bisections at b_4, b_5, b_6.
23.	Bisections at II, VI, VII.
24.	Bisection at VII.
25.	Bisections at I, II, III.
26.	Bisections at V, VI, VII.

Notes.

19.	Clouds; poor.
20, 23, 27.	Clouds.
24.	Clouds; faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 15.1	.. ....	0.0	+ 15.1
14	+ 0.5	.. ....	...	+ 0.5
25	+ 5.1	+15 54.5	...	+15 59.6
26	+ 5.1	−15 54.6	...	−15 49.5
34	+ 6.9	.. ....	− 0.6	+ 6.3
35	+ 5.7	.. ....	− 0.2	+ 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Serpentis	9	51 34.64	− 0.27	**+8.95**	34 45 46.82	45.000	− 4.07	+ 38.5	18 51 43.29	.....	+ 4 5 10.8	....
2	Mars I, C.	5	17 20.41	− 0.22	+8.94	42 37 47.95	49.848	− 3.85	+ 51.8	0 17 29.13	+ 0.85	− 3 47 19.5	....
3	Mars II	5	17 22.13	− 0.22	+8.94	... .	......	....	. ....	0 17 30.85	− 0.87	.. ..	....
4	13 Ceti	9	30 27.62	− 0.22	+8.95	42 55 47.55	45.770	− 3.85	+ 52.4	0 30 36.35	.....	− 4 5 21.7	....
5	δ Piscium	9	43 51.34	− 0.22	**+8.89**	31 45 46.55	43.938	− 3.85	+ 34.9	0 44 0.07	.....	+ 7 5 38.6	....
6	20 Ceti	9	48 15.11	− 0.22	**+8.89**	40 27 48.35	47.710	− 3.85	+ 48.1	0 48 23.84	.....	− 1 38 2.6	....
7	ε Piscium	9	58 6.81	− 0.22	**+8.94**	31 25 47.20	47.550	− 3.85	+ 34.5	0 58 15.54	.....	+ 7 24 15.8	....
8	ζ^1 Piscium	9	8 52.18	− 0.22	**+8.97**	31 45 46.30	43.275	− 3.85	+ 35.0	1 9 0.91	.....	+ 7 5 53.9	....
9	f Piscium	9	12 59.87	− 0.22	+8.95	35 41 46.32	47.022	− 3.85	+ 40.6	1 13 8.60	.....	+ 3 8 22.7	....
10	θ Ceti	9	19 22.19	− 0.22	**+8.87**	47 29 47.70	44.095	− 3.85	+1 1.6	1 19 30.92	.....	− 8 38 52.8	....
11	Saturn I, C.	5	24 5.09	− 0.22	+8.95	32 57 46.62	47.594	− 3.85	+ 36.7	1 24 13.82	+ 0.64	+ 5 53 48.4	....
12	Saturn II	5	24 6.38	− 0.22	+8.95	... .	......	....	. ....	1 24 15.11	− 0.65	.. ..	....
13	α Trianguli	9	47 47.12	− 0.23	**+9.01**	9 43 46.02	43.325	− 3.85	+ 9.8	1 47 55.84	.....	+29 8 18.2	....
	September 17, P.												
14	ε Ursæ Minoris s. P.	9	55 2.49	+ 0.49	+8.92	301 3 43.32	47.567	− 4.22	−1 33.5	16 55 11.90	.....	+82 11 32.3	....
15	ζ Draconis s. P.	9	8 22.02	+ 0.13	+8.92	284 43 43.05	48.303	− 4.22	−3 30.9	17 8 31.07	.....	+65 49 51.4	....
16	γ Orionis	9	20 7.63	− 0.20	**+8.93**	32 33 46.20	47.545	− 4.22	+ 36.3	5 20 16.35	.....	+ 6 16 15.5	....
17	δ Orionis	9	27 13.97	− 0.20	[**+8.94**]	39 11 48.80	47.032	− 4.22	+ 46.3	5 27 22.69	.....	− 0 21 45.4	....
18	ζ Orionis	9	36 2.51	− 0.20	[**+8.93**]	40 49 46.55	45.528	− 4.22	+ 49.1	5 36 11.23	.....	− 1 59 11.5	....
19	κ Orionis	9	43 18.87	− 0.21	[**+8.89**]	48 31 48.10	46.525	− 4.22	+1 4.3	5 43 27.58	.....	− 9 41 51.0	....
20	α Orionis	9	50 7.16	− 0.20	[**+8.99**]	31 27 48.55	44.028	− 4.22	+ 34.8	5 50 15.88	.....	+ 7 23 35.0	....
21	δ Ursæ Minoris s. P.	9	1 21.00	+ 1.55	+8.92	305 29 41.58	45.880	− 4.22	−1 19.2	18 1 31.47	.....	+86 37 6.3	....
22	S Monocerotis	9	35 50.26	− 0.20	[**+8.95**]	28 51 46.70	45.965	− 4.22	+ 31.3	6 35 58.99	.....	+ 9 58 56.1	....
	September 18, P.												
23	Sun I, N.	9	40 52.51	− 0.23	+8.94	36 37 50.30	47.192	− 3.35	+ 41.4	11 41 1.22	+64.06	+ 2 12 13.1	....
24	Sun II, S.	9	43 0.63	− 0.23	+8.94	37 9 49.25	46.928	− 3.35	+ 42.2	11 43 9.34	−64.06	+ 1 40 20.2	....
25	Mercury I, C.	9	15 17.19	− 0.24	+8.94	49 51 50.08	48.030	− 3.35	+1 5.7	13 15 25.89	+ 0.24	−11 2 29.7	....
26	Venus I, C.	9	59 2.40	− 0.24	+8.95	51 27 50.90	46.685	− 1.43	+1 9.5	13 59 11.11	+ 0.56	−12 38 5.5	....
27	Venus II	9	59 3.31	− 0.24	+8.95	... .	......	....	. ....	13 59 12.02	− 0.35	.. ..	....
28	Moon I	9	35 58.48	− 0.25	+8.95	52 20	......	....	. ....	14 36 7.18	+62.70	.. ..	....
29	ε Ursæ Minoris	9	55 4.06	− 1.21	+8.95	316 39 43.28	48.040	− 0.02	− 52.2	16 55 11.80	.....	+82 11 31.4	....
30	σ Ophiuchi	9	21 52.27	− 0.23	[**+9.00**]	34 37 48.78	44.715	− 0.21	+ 38.5	17 22 0.99	.....	+ 4 13 11.4	....
31	β Ophiuchi	9	38 51.08	− 0.23	[**+8.95**]	34 13 48.68	46.915	− 0.33	+ 38.1	17 38 59.80	.....	+ 4 36 21.7	....
32	ν Ophiuchi	9	53 53.72	− 0.23	[**+8.89**]	48 35 50.05	46.155	− 0.44	+1 3.5	17 54 2.44	.....	− 9 45 47.5	....
33	δ Ursæ Minoris	9	1 24.44	− 2.67	+8.95	312 15 45.25	44.218	− 0.49	−1 1.4	18 1 30.72	.....	+86 37 6.4	....
34	η Serpentis	9	16 28.78	− 0.23	**+8.91**	41 45 48.58	45.582	− 0.60	+ 50.1	18 16 37.50	.....	− 2 55 19.4	....
35	3 H. Scuti	9	30 8.17	− 0.22	**+8.93**	47 7 49.60	48.100	− 0.69	+1 0.6	18 30 16.91	.....	− 8 18 28.4	....
36	θ Serpentis	9	51 34.59	− 0.21	**+8.92**	34 45 49.52	44.665	− 0.85	+ 39.0	18 51 43.34	.....	+ 4 5 11.9	....
37	α Andromedæ	9	3 34.62	− 0.23	**+9.03**	10 15 48.10	45.178	− 1.05	+ 10.4	0 3 43.37	.....	+28 35 30.3	....
38	γ Pegasi	9	8 26.63	− 0.22	**+8.96**	24 9 46.92	46.105	− 1.05	+ 25.7	0 8 35.39	.....	+14 40 55.1	....
39	Mars I, C.	5	16 13.60	− 0.22	+8.98	42 41 47.08	50.858	− 1.05	+ 52.9	0 16 22.36	+ 0.92	− 3 51 45.6	....
40	Mars II	5	16 15.45	− 0.22	+8.98	... .	......	....	. ....	0 16 24.21	− 0.93	.. ..	....
41	13 Ceti	9	30 27.53	− 0.22	+8.98	42 55 46.52	45.612	− 1.05	+ 53.3	0 30 36.29	.....	− 4 5 20.8	....
42	ε Andromedæ	9	33 38.37	− 0.22	**+9.01**	10 1 48.88	45.742	− 1.05	+ 10.2	0 33 47.13	.....	+28 49 16.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 18 52	29.888	72.8	72.3
0 17	29.930	66.0	65.1
0 48	......	....	64.9
0 58	29.924	65.8	....
1 13	......	....	63.4
1 24	......	....	62.8
1 48	29.928	63.2	61.1
4 52	29.964	63.9	62.0
5 14	......	....	61.8
5 30	29.975	63.2	61.7
5 54	......	....	61.5
6 12	......	....	61.8
6 25	29.995	64.0	....
6 38	30.004	64.2	62.6
18 11 43	30.050	73.3	73.4
13 13	30.048	75.0	75.0
14 1	30.041	76.3	75.2
16 52	30.048	73.8	73.0
17 20	......	....	71.9
17 43	30.050	71.4	70.6
18 13	......	....	69.0
18 32	......	....	68.1
18 53	30.064	69.0	68.0
0 1	30.112	61.5	59.9
0 20	......	....	59.3
0 41	......	....	59.5

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, VI, VII.
2, 11, 39.	Z. D. threads C used.
2, 11, 25, 26, 39.	Bisections at I, II, VI, VII.
14, 15, 21, 29, 33.	Bisections at b_4, b_5, b_6.
23.	Bisections at I, II, III.
24.	Bisections at V, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 15.2	.. ....	0.0	+ 15.2
11	+ 0.5	.. ....	...	+ 0.5
23	+ 5.2	−15 56.4	...	−15 51.2
24	+ 5.3	+15 56.4	...	+16 1.7
25	+ 7.1	.. ....	− 0.6	+ 6.5
26	+ 5.7	.. ....	− 0.2	+ 5.5
39	+ 15.3	.. ....	0.0	+ 15.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Piscium	9	43 51.29	− 0.21	**+8.95**	31 45 45.10	43.802	− 1.05	+ 35.5	0 44 0.06	.....	+ 7 5 39.8	....
2	20 Ceti	9	48 15.04	− 0.21	**+8.97**	40 27 48.68	47.520	− 1.05	+ 48.9	0 48 23.82	.....	− 1 38 2.2	....
3	ε Piscium	9	58 6.73	− 0.20	**+9.02**	31 25 48.30	47.318	− 1.05	+ 35.1	0 58 15.52	.....	+ 7 24 16.6	....
4	ζ¹ Piscium	9	8 52.13	− 0.20	**+9.01**	31 45 47.78	43.008	− 1.05	+ 35.5	1 9 0.92	.....	+ 7 5 55.2	....
5	θ Ceti	9	19 22.06	− 0.20	**+8.99**	47 29 47.62	43.932	− 1.05	+1 2.5	1 19 30.85	.....	− 8 38 52.7	....
6	Saturn I, C	5	23 50.45	− 0.19	+8.99	32 59 45.78	46.452	− 1.05	+ 37.2	1 23 59.25	+ 0.73	+ 5 52 12.1	....
7	Saturn II	5	23 51.90	− 0.19	+8.99	... .	......	....	. ....	1 24 0.70	− 0.72	.. ..	....
8	α Trianguli	9	47 47.06	− 0.19	**+9.05**	9 43 46.32	43.155	− 1.05	+ 9.9	1 47 55.86	.....	+29 8 18.9	....
9	ε Ursæ Minoris S. P.	9	55 2.17	+ 0.64	+9.01	301 3 43.90	47.435	− 0.86	−1 35.0	16 55 11.82	.....	+82 11 31.7	....
10	ζ Draconis S. P.	9	8 21.85	+ 0.18	+9.01	284 43 43.65	48.257	− 0.86	−3 34.2	17 8 31.04	.....	+65 49 51.1	....
11	δ Ursæ Minoris S. P.	9	1 21.06	+ 1.55	+9.01	305 29 44.22	45.710	− 0.86	−1 20.5	18 1 31.62	.....	+86 37 7.1	....
	September 19, M.												
12	ε Ursæ Minoris S. P.	7	55 2.18	+ 0.24	+9.16	301 3 45.55	47.400	− 2.13	−1 36.0	16 55 11.58	.....	+82 11 30.3	....
13	γ Orionis	9	20 7.41	− 0.16	**+9.17**	32 33 47.48	47.390	− 2.07	+ 37.3	5 20	.....	+ 6 16 14.6	....
14	δ Orionis	9	27 13.77	− 0.16	**+9.16**	39 11 50.40	46.830	− 2.02	+ 47.6	5 27	.....	− 0 21 45.9	....
15	ζ Orionis	9	36 2.31	− 0.16	**+9.15**	40 49 49.58	45.260	− 1.95	+ 50.4	5 36	.....	− 1 59 12.0	....
16	κ Orionis	9	43 18.66	− 0.17	[**+9.12**]	48 31 49.75	46.280	− 1.90	+1 5.9	5 43	.....	− 9 41 51.0	....
17	α Orionis	9	50 6.96	− 0.16	[**+9.21**]	31 27 49.22	43.852	− 1.85	+ 35.7	5 50	.....	+ 7 23 35.1	....
18	δ Ursæ Minoris S. P.	9	1 20.56	+ 0.64	+9.16	305 29 49.18	45.532	− 1.77	−1 21.2	18 1 30.36	.....	+86 37 6.4	....
19	8 Monocerotis	9	18 48.81	− 0.16	[**+9.24**]	34 11 50.15	46.445	− 1.64	+ 39.6	6 18	.....	+ 4 36 30.8	....
20	10 Monocerotis	9	23 19.92	− 0.16	[**+9.24**]	43 31 49.65	47.505	− 1.60	+ 55.4	6 23	.....	− 4 42 8.7	....
21	S Monocerotis	9	35 50.03	− 0.15	[**+9.19**]	28 51 49.58	45.730	− 1.51	+ 32.1	6 35	.....	+ 9 58 55.1	....
	September 20, M.												
22	Sun I, S	8	43 2.80	− 0.13	+9.23	37 55 51.92	48.052	− 0.45	+ 44.2	11 48 11.99	+63.98	+ 0 53 46.1	....
23	Sun II, N	9	50 10.85	− 0.13	+9.23	37 23 51.60	48.503	− 0.45	+ 43.4	11 50 19.95	−63.98	+ 1 25 37.8	....
	September 21, P.												
24	ε Ursæ Minoris	9	55 3.03	− 0.84	+9.23	316 39 45.10	47.995	− 0.77	− 52.2	16 55 11.42	.....	+82 11 31.4	....
25	η Ophiuchi	9	5 1.49	− 0.22	[**+9.30**]	54 25 47.50	48.355	− 0.81	+1 17.9	17 5	.....	−15 36 49.3	....
26	Moon I, N	9	8 12.91	− 0.23	+9.23	63 3 47.98	46.816	− 0.83	+1 49.3	17 8 21.91	+69.08	−24 14 46.0	....
27	θ Ophiuchi	9	16 17.38	− 0.22	....	63 43 47.45	46.432	− 0.86	+1 52.6	17 16	.....	−24 54 39.9	....
28	b Ophiuchi	9	20 40.91	− 0.22	....	62 55 50.10	43.845	− 0.88	+1 48.8	17 20	.....	−24 5 39.4	....
29	σ Ophiuchi	9	21 51.91	− 0.20	[**+9.28**]	34 37 49.45	44.710	− 0.89	+ 38.5	17 22	.....	+ 4 13 11.7	....
30	ξ Serpentis	9	32 14.71	− 0.21	[**+9.25**]	54 9 46.80	47.682	− 0.93	+1 17.3	17 32	.....	−15 20 32.5	....
31	β Ophiuchi	9	38 50.69	− 0.20	[**+9.26**]	34 13 47.50	46.980	− 0.96	+ 38.1	17 38	.....	+ 4 36 22.1	....
32	ν Ophiuchi	9	53 53.26	− 0.21	[**+9.28**]	48 35 49.48	46.245	− 1.03	+1 3.5	17 54	.....	− 9 45 48.4	....
33	γ Sagittarii	9	59 50.26	− 0.23	....	69 13 50.08	47.490	− 1.06	+2 26.8	17 59	.....	−30 25 40.5	....
34	δ Ursæ Minoris	5	1 22.84	− 1.82	+9.23	312 15 42.68	44.303	− 1.06	−1 1.3	18 1 30.25	.....	+86 37 7.2	....
35	δ Sagittarii	9	15 2.78	− 0.23	....	68 41 50.55	43.628	− 1.13	+2 22.9	18 15	.....	−29 52 9.0	....
36	η Serpentis	9	16 28.40	− 0.21	**+9.22**	41 45 48.32	45.608	− 1.13	+ 50.1	18 16	.....	− 2 55 19.2	....
37	3 H. Scuti	9	30 7.78	− 0.21	**+9.26**	47 7 49.30	48.132	− 1.19	+1 0.5	18 30	.....	− 8 18 28.2	....
38	φ Sagittarii	9	39 51.12	− 0.23	....	65 53 48.25	47.195	− 1.24	+2 5.1	18 40	.....	−27 5 10.2	....
39	θ Serpentis	9	51 34.22	− 0.20	**+9.23**	34 45 47.95	44.750	− 1.29	+ 39.0	18 51	.....	+ 4 5 12.0	....
	September 22, M.												
40	ζ Draconis	9	8 21.78	− 0.47	....	333 1 44.38	46.205	− 2.92	− 27.8	17 8	.....	+65 49 50.7	....
41	ξ Serpentis	9	32 14.55	− 0.27	[**+9.45**]	54 10	......	....	. ....	17 32	.....	−15 20	....
42	β Ophiuchi	9	38 50.48	− 0.26	[**+9.51**]	34 13 47.08	47.172	− 2.92	+ 37.5	17 38	.....	+ 4 36 20.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 1 0	30.121	61.0	59.3
1 28	......	....	59.2
1 49	30.118	61.0	59.0
4 52	30.148	59.2	57.4
5 11	......	....	57.0
6 5	30.172	58.5	56.2
19 4 55	30.160	55.0	52.2
5 20	......	....	51.8
5 50	30.160	54.0	51.8
6 19	......	....	52.0
6 36	30.162	55.0	52.6
20 11 50	30.100	66.8	66.0
21 16 52	29.982	72.1	72.0
17 13	......	....	71.0
17 28	......	....	70.2
17 50	29.975	70.0	69.0
18 10	......	....	68.3
18 33	......	....	67.2
18 53	29.974	67.8	66.8
22 17 8	29.830	77.0	76.1
17 32	......	....	75.1
17 39	29.828	75.2	....

Micrometer bisections are made at II, VI, except as noted below.

6. Z. D. threads C used.
6. Bisections at I, II, VI, VII.
9–12, 18, 24. Bisections at b_4, b_5, b_6.
22. Bisections at I, II, III.
23. Bisections at V, VI, VII.
26. Bisections at II, III, IV, V, VI.
28, 29. Bisections at VI, VII.
33. Bisection at VI.
34. Bisections at b_6, b_8, b_9.
35. Bisections at I, II.
40. Bisections at III, IV, V.

Notes.
20. Faint.
41. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 0.5	.. ....	...	+ 0.5
22	+ 5.4	+15 55.8	...	+16 1.2
23	+ 5.3	−15 55.8	...	−15 50.5
26	+49 37.7	−15 13.6	...	+34 24.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Ophiuchi	7	53 53.05	− 0.26	**[+9.52]**	48 35 47.05	46.480	− 2.92	+1 2.5	17 54	.....	− 9 45 48.3	....
2	Moon I	9	5 38.61	− 0.29	+9.51	64 58	......	....	.....	18 5 47.83	+71.14	.. ..	....
3	μ Sagittarii	9	8 11.62	− 0.27	....	59 54	......	....	.....	18 8	.....	−21 5	....
4	δ Sagittarii	9	15 2.59	− 0.28	....	68 42	......	....	.....	18 15	.....	−29 52	....
5	η Serpentis	9	16 28.23	− 0.26	**[+9.43]**	41 45 46.82	45.848	− 2.92	+ 49.3	18 16	.....	− 2 55 20.6	....
6	λ Sagittarii	9	22 13.77	− 0.28	....	64 18	......	....	.....	18 22	.....	−25 28	....
7	3 H. Scuti	9	30 7.63	− 0.26	**+9.45**	47 7 47.08	48.388	− 2.92	+ 59.5	18 30	.....	− 8 18 29.1	....
8	σ Sagittarii	9	49 30.11	− 0.28	....	65 14	......	....	.....	18 49	.....	−26 24	....
9	θ Serpentis	9	51 34.08	− 0.26	**+9.42**	34 45 46.42	44.970	− 2.92	+ 38.4	18 51	.....	+ 4 5 10.7	....
	September 23, P.												
10	Sun S	.	.. ..	....	....	38 33 47.22	48.863	− 2.41	+ 43.5	12 0	.....	+ 0 15 34.9	....
11	Sun N	.	.. ..	....	....	39 5 47.72	48.638	− 2.41	+ 44.3	.. ..	.....	− 0 16 20.3	....
12	Mercury I, C	9	28 58.73	− 0.23	+9.56	51 47 46.45	44.648	− 1.67	+1 8.8	13 29 8.06	+ 0.26	−12 57 13.5	....
13	ε Ursæ Minoris	9	55 3.21	− 1.50	+9.51	316 39 37.30	48.378	− 2.60	− 51.1	16 55 11.22	.....	+82 11 31.1	....
14	ζ Draconis	9	8 21.87	− 0.58	....	333 1 40.02	46.391	− 2.60	− 27.6	17 8	.....	+65 49 49.8	....
15	σ Ophiuchi	9	21 51.72	− 0.29	**[+9.53]**	34 37 40.12	45.232	− 2.60	+ 37.7	17 22	.....	+ 4 13 11.4	....
16	β Ophiuchi	9	38 50.45	− 0.29	**[+9.56]**	34 13 41.80	47.360	− 2.60	+ 37.2	17 38	.....	+ 4 36 21.6	....
17	ν Ophiuchi	9	53 53.01	− 0.28	**[+9.57]**	48 35 41.78	46.692	− 2.60	+1 1.9	17 54	.....	− 9 45 47.7	....
18	δ Ursæ Minoris	9	1 23.00	− 3.27	+9.51	312 15 36.70	44.577	− 2.60	− 59.9	18 1 29.24	.....	+86 37 7.4	....
19	δ Sagittarii	9	15 2.53	− 0.29	....	68 41 42.45	44.205	− 2.60	+2 19.4	18 15	.....	−29 52 9.2	....
20	η Serpentis	9	16 28.18	− 0.28	**[+9.48]**	41 45 41.75	46.030	− 2.60	+ 48.9	18 16	.....	− 2 55 19.8	....
21	λ Sagittarii	9	22 13.64	− 0.30	....	64 17 41.35	46.132	− 2.60	+1 53.3	18 22	.....	−25 28 25.9	....
22	3 H. Scuti	9	30 7.53	− 0.28	**+9.55**	47 7 41.82	48.600	− 2.60	+ 59.0	18 30	.....	− 8 18 28.5	....
23	φ Sagittarii	9	39 50.90	− 0.29	....	65 53 39.82	47.746	− 2.60	+2 2.0	18 40	.....	−27 5 9.9	....
24	σ Sagittarii	9	49 29.96	− 0.29	....	65 13 40.68	46.575	− 2.60	+1 58.3	18 49	.....	−26 24 40.3	....
25	θ Serpentis	9	51 33.94	− 0.29	**+9.57**	34 45 40.62	45.212	− 2.60	+ 38.0	18 51	.....	+ 4 5 11.1	....
26	Moon I, S	9	5 53.76	− 0.30	+9.51	65 25 40.20	45.986	− 2.60	+1 59.4	19 6 2.97	+72.53	−26 36 27.5	....
27	d Sagittarii	9	12 11.39	− 0.28	**+9.43**	57 55 40.55	48.621	− 2.60	+1 27.4	19 12	.....	−19 6 56.1	....
	September 24, M.												
28	ψ Sagittarii	9	9 50.16	− 0.29	+9.79	64 13 41.75	47.145	− 2.91	+1 57.4	19 9 59.66	.....	−25 24 53.2	....
29	h Sagittarii	9	31 2.79	− 0.29	+9.79	63 53 43.68	47.745	− 2.91	+1 55.9	19 31 12.29	.....	−25 5 7.4	....
30	f Sagittarii	9	40 55.87	− 0.28	+9.79	58 47 42.65	47.948	− 2.91	+1 34.0	19 41 5.38	− 1.99	−19 58 49.1	− 1.9
31	c Sagittarii	9	56 56.64	− 0.30	+9.80	66 47 45.75	43.489	− 2.91	+2 12.4	19 57 6.14	.....	−27 57 48.6	....
32	Moon I, S	9	7 43.81	− 0.30	+9.80	64 1 45.35	44.731	− 2.91	+1 56.8	20 7 53.31	+72.99	−25 12 1.1	....
33	β Capricorni	9	15 46.63	− 0.28	**+9.79**	53 53 44.00	46.629	− 2.91	+1 18.2	20 15 56.15	.....	−15 4 4.5	....
	September 24, P.												
34	ε Ursæ Minoris s. p.	9	55 0.25	+ 0.53	+9.80	301 3 46.50	47.383	− 3.04	−1 35.3	16 55 10.58	.....	+82 11 30.6	....
35	ζ Draconis s. p.	9	8 20.74	+ 0.15	+9.80	284 43 44.55	48.268	− 3.04	−3 34.9	17 8 30.69	.....	+65 49 49.3	....
36	γ Orionis	9	20 6.97	− 0.18	**+9.77**	32 33 48.72	47.390	− 3.04	+ 37.0	5 20 16.59	.....	+ 6 16 14.6	....
37	δ Orionis	9	27 13.24	− 0.18	**+9.85**	39 11 51.88	46.802	− 3.04	+ 47.2	5 27 22.86	.....	− 0 21 45.3	....
38	158 H¹. Cephei	9	32 43.44	− 1.14	+9.80	313 43 47.18	44.510	− 3.04	−1 0.2	5 32 52.10	.....	+85 8 59.2	....
39	ζ Orionis	6	36 1.84	− 0.18	**+9.78**	40 49 50.98	45.285	− 3.04	+ 50.0	5 36 11.46	.....	− 1 59 12.3	....
40	κ Orionis	9	43 18.13	− 0.18	**+9.80**	48 31 51.42	46.322	− 3.04	+1 5.4	5 43 27.75	.....	− 9 41 52.0	....
41	α Orionis	9	50 6.52	− 0.17	**+9.81**	31 27 49.92	43.880	− 3.04	+ 35.4	5 50 16.15	.....	+ 7 23 35.3	....
42	δ Ursæ Minoris s. p.	9	1 17.50	+ 1.61	+9.80	305 29 44.72	45.783	− 3.04	−1 20.6	18 1 28.91	.....	+86 37 7.0	....
43	8 Monocerotis	9	18 48.34	− 0.17	**[+9.86]**	34 11 50.58	46.472	− 3.04	+ 39.3	6 18 57.97	.....	+ 4 36 31.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 18 16	......	....	73.2
18 30	......	....	72.8
18 52	29.822	73.0	72.2
23 12 1	29.794	78.7	79.7
13 27	29.764	80.2	81.3
16 52	29.722	80.0	79.0
17 13	......	....	78.2
17 30	......	....	77.8
17 50	29.726	78.1	77.0
18 10	......	....	76.2
18 44	......	....	75.2
18 52	29.721	76.5	75.2
19 16	......	....	75.0
19 30	29.732	76.0	....
24 19 10	29.916	62.2	60.1
19 41	......	....	58.8
19 57	......	....	58.4
20 16	29.922	60.2	58.0
4 52	29.932	54.1	52.3
5 11	......	....	52.3
5 24	......	....	52.3
5 47	29.943	54.0	52.2
6 6	......	....	52.0
6 30	......	....	52.1

Micrometer bisections are made at II, VI, except as noted below.

1, 11, 39.	Bisections at VI, VII.
10.	Bisections at I, II, III.
12, 14, 23, 27, 30, 31, 33.	Bisections at I, II, VI, VII.
13, 18, 34, 35, 38, 42.	Bisections at b_4, b_5, b_6.
17.	Bisections at I, VI, VII.
19.	Bisections at I, II.
20.	Bisection at II.
26, 32.	Bisections at II, III, IV, V, VI.

Notes.

1-6, 13, 17, 20, 29.	Clouds.
21.	Micrometer reading increased 2 revolutions.
31.	One microscope reading increased 10″.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 5.4	−15 57.5	...	−15 52.1
11	+ 5.5	+15 57.6	...	+16 3.1
12	+ 7.9	.. ....	− 0.8	+ 7.1
26	+52 12.6	+15 42.1	...	+67 54.7
32	+52 30.1	+15 58.4	...	+68 28.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	10 Monocerotis	9	23 19.46	− 0.17	[− **9.85**]	43 31 49.92	47.548	− 3.04	+ 55.0	6 23 29.09	.....	− 4 42 8.1	....
2	*S* Monocerotis	9	35 49,57	− 0.16	[− **9.81**]	28 51 50.72	45.730	− 3.04	+ 31.9	6 35 59.22	.....	+ 9 58 55.6	....
	September 25, P.												
3	Sun I, N	9	6 0.08	− 0.18	+ 9.84	39 22 18.35	44.168	− 2.29	+ 46.2	12 6 9.74	+64.16	− 0 31 11.7	....
4	Sun II, S	9	8 8.40	− 0.18	+ 9.84	39 54 16.55	44.220	− 2.29	+ 47.1	12 8 18.06	−64.16	− 1 3 11.1	....
5	Mercury I, C	9	32 48.36	− 0.18	+ 9.85	52 19 56.05	44.386	− 2.44	+1 12.6	13 32 58.03	+ 0.27	−13 29 20.2	....
6	ζ Draconis	9	8 21.19	− 0.36	+ 9.87	333 1 53.15	45.895	− 2.52	− 28.5	17 8 30.70	.....	+65 49 49.0	....
7	β Ophiuchi	9	38 49.94	− 0.21	[+ **9.95**]	34 13 52.38	46.840	− 2.62	+ 38.5	17 38 59.60	.....	+ 4 36 21.6	....
8	ν Ophiuchi	9	53 52.60	− 0.22	[+ **9.88**]	48 35 54.20	46.038	− 2.67	+1 4.2	17 54 2.25	.....	− 9 45 47.5	....
9	δ Ursæ Minoris	8	1 20.47	− 1.99	+ 9.88	312 15 48.38	44.187	− 2.70	−1 2.0	18 1 28.36	.....	+86 37 6.8	....
10	η Serpentis	9	16 27.67	− 0.21	[+ **9.88**]	41 45 53.75	45.430	− 2.75	+ 50.6	18 16 37.34	.....	− 2 55 19.5	....
11	3 H. Scuti	9	30 7.06	− 0.22	+ **9.92**	47 7 54.40	47.968	− 2.80	+1 1.1	18 30 16.72	.....	− 8 18 28.5	....
12	θ Serpentis	9	51 33.54	− 0.21	+ **9.85**	34 45 53.95	44.540	− 2.87	+ 39.4	18 51 43.20	.....	+ 4 5 12.0	....
13	τ Aquilæ	9	59 33.74	− 0.22	+ **9.95**	31 49 52.05	44.215	− 2.96	+ 35.2	19 59 43.41	.....	+ 7 1 25.6	....
14	α^2 Capricorni	9	12 52.83	− 0.24	+ **9.88**	51 39 52.92	45.179	− 2.96	+1 11.6	20 13 2.48	.....	−12 49 33.6	....
15	ρ Capricorni	9	23 32.82	− 0.24	+ **9.90**	56 55 51.78	47.910	− 2.96	+1 27.0	20 23 42.47	.....	−18 6 50.3	....
16	ε Delphini	9	28 44.20	− 0.22	+ **9.86**	27 51 52.68	43.350	− 2.96	+ 30.0	20 28 53.87	.....	+10 59 49.9	....
17	α Delphini	9	35 16.87	− 0.22	+ **9.94**	23 15 53.00	44.012	− 2.96	+ 24.4	20 35 26.54	.....	+15 35 40.1	....
18	μ Aquarii	9	47 37.33	− 0.23	+ **9.87**	48 9 53.08	45.070	− 2.96	+1 3.4	20 47 46.99	.....	− 9 19 23.1	....
19	32 Vulpeculæ	9	50 33.04	− 0.23	+ **9.96**	11 7 52.62	46.512	− 2.96	+ 11.2	20 50 42.70	.....	+27 42 56.5	....
20	Moon I, S	9	9 40.66	− 0.26	+ 9.89	60 57 53.28	46.511	− 2.96	+1 42.1	21 9 50.29	+72.57	−22 8 35.0	....
21	1 Pegasi	9	17 44.98	− 0.23	+ **9.97**	19 25 52.22	45.625	− 2.96	+ 20.1	21 17 54.64	.....	+19 25 8.2	....
22	ζ Capricorni	7	21 21.35	− 0.25	+ 9.89	61 37 54.10	45.473	− 2.96	+1 45.0	21 21 30.99	.....	−22 48 14.8	....
23	β Aquarii	9	26 38.77	− 0.23	+ **9.91**	44 47 54.10	47.318	− 2.96	+ 56.5	21 26 48.43	.....	− 5 58 8.6	....
24	γ Capricorni	9	34 55.89	− 0.24	+ **9.88**	55 53 52.42	46.590	− 2.96	+1 23.9	21 35 5.55	.....	−17 4 17.7	....
25	ε Pegasi	9	39 35.51	− 0.22	+ **9.89**	29 23 53.82	43.605	− 2.96	+ 32.1	21 39 45.19	.....	+ 9 27 40.8	....
26	δ Capricorni	9	41 54.07	− 0.24	+ **9.84**	55 21 53.02	46.622	− 2.96	+1 22.2	21 42 3.73	.....	−16 32 17.3	....
27	μ Capricorni	9	48 13.04	− 0.24	+ **9.81**	52 47 52.95	47.925	− 2.96	+1 14.9	21 48 22.70	.....	−13 58 39.8	....
28	ι Aquarii	9	1 24.33	− 0.24	+ **9.81**	53 7 53.22	47.505	− 2.96	+1 15.9	22 1 33.99	.....	−14 18 31.4	....
29	θ Pegasi	9	5 29.23	− 0.22	+ **9.90**	33 5 52.52	44.612	− 2.96	+ 37.1	22 5 38.91	.....	+ 5 45 14.2	....
	September 26, P.												
30	δ Capricorni	9	41 53.89	− 0.22	+ **9.99**	55 21 54.68	46.540	− 3.27	+1 22.5	21 42 3.72	.....	−16 32 17.1	....
31	μ Capricorni	9	48 12.86	− 0.22	+ **9.97**	52 47 53.32	47.915	− 3.27	+1 15.2	21 48 22.69	.....	−13 58 39.9	....
32	ι Aquarii	9	1 24.14	− 0.22	+ **9.98**	53 7 53.88	47.465	− 3.27	+1 16.1	22 1 33.97	.....	−14 18 31.0	....
33	Moon I, S	9	10 33.34	− 0.23	+10.05	56 23 53.62	45.678	− 3.27	+1 25.8	22 10 43.16	+71.62	−17 33 59.7	....
34	σ Aquarii	9	25 42.66	− 0.22	**+10.02**	49 57 54.10	47.637	− 3.27	+1 8.0	22 25 52.50	.....	−11 8 27.0	....
35	ζ Pegasi	9	36 47.94	− 0.20	**+10.02**	28 29 52.88	43.825	− 3.27	+ 31.0	22 36 57.80	.....	+10 21 38.2	....
36	η Pegasi	9	38 36.55	− 0.20	**+10.11**	9 5 54.38	46.455	− 3.27	+ 9.2	22 38 46.41	.....	+29 44 58.5	....
37	μ Pegasi	9	45 29.06	− 0.20	**+10.12**	14 43 52.30	44.795	− 3.27	+ 15.1	22 45 38.92	.....	+24 7 32.4	....
38	δ Aquarii	9	49 42.16	− 0.22	+ **9.99**	55 7 53.80	46.108	− 3.27	+1 22.0	22 49 52.00	.....	−16 18 5.9	....
39	β Pegasi	9	59 14.23	− 0.20	**+10.08**	11 15 53.62	44.682	− 3.27	+ 11.5	22 59 24.09	.....	+27 35 37.3	....
40	c^2 Aquarii	9	4 28.77	− 0.23	+10.06	60 29 53.52	44.448	− 3.27	+1 41.0	23 4 38.60	.....	−21 39 46.6	....
41	ι Piscium	9	35 8.77	− 0.21	**+10.10**	33 41 53.78	47.110	− 3.14	+ 38.3	23 35 18.62	.....	+ 5 8 14.8	....
42	α Andromedæ	9	3 33.51	− 0.19	**+10.15**	10 15 52.68	44.975	− 3.14	+ 10.5	0 3 43.38	.....	+28 35 32.5	....
43	Mars I, C	5	7 3.33	− 0.21	+10.06	43 13 54.55	49.619	− 3.14	+ 54.0	0 7 13.18	+ 0.98	− 4 23 23.7	....
44	Mars II	5	7 5.28	− 0.21	+10.06	... .	......	....	.....	0 7 15.13	− 0.97	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 6 38	29.957	54.0	52.3
25 12 8	30.028	66.6	66.8
13 31	30.009	68.0	68.0
17 5	29.983	66.5	65.9
17 40	29.986	65.1	64.2
18 7	......	....	63.1
18 36	......	....	62.8
18 53	29.990	63.5	62.5
19 57	29.992	63.1	62.9
20 20	......	....	62.6
20 40	......	....	62.1
20 52	29.990	62.8	62.0
21 12	......	....	61.8
21 30	......	....	61.1
21 50	......	....	60.9
22 7	29.988	61.8	60.6
26 21 40	29.868	59.5	57.2
22 13	......	....	57.0
22 21	......	....	57.0
22 46	......	....	56.0
22 53	29.852	57.0	55.7
23 6	29.850	57.8	55.2
23 37	29.834	57.0	54.3
0 1	29.830	56.0	53.6

Micrometer bisections are made at II, VI, except as noted below.

3.	Bisections at I, II, III.
4, 36, 42.	Bisections at VI, VII.
5, 14, 15, 40, 43.	Bisections at I, II, VI, VII.
9.	Bisections at b_4, b_5, b_6.
11, 19, 22, 34.	Bisections at II, VI, VII.
20, 33.	Bisections at II, III, IV, V, VI.
43.	Z. D. threads C used.

Note.

14, 22, 24, 29. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 5.5	−15 59.6	...	−15 54.1
4	+ 5.6	+15 59.7	...	+16 5.3
5	+ 8.3	.. ....	− 0.9	+ 7.4
20	+51 55.1	+16 14.5	...	+68 9.6
33	+50 10.6	+16 29.0	...	+66 39.6
43	+ 15.2	.. ....	0.0	+ 15.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	44 Piscium	9	20 36.87	− 0.20	**+10.09**	37 23 52.18	46.462	− 3.14	+ 44.0	0 20 46.74	.....	+ 1 26 25.5	....
2	12 Ceti	9	25 16.28	− 0.21	**+10.15**	43 17 55.40	45.235	− 3.14	+ 54.2	0 25 26.14	.....	− 4 27 19.9	....
3	13 Ceti	9	30 26.54	− 0.21	+10.07	42 55 53.00	45.405	− 3.14	+ 53.5	0 30 36.40	.....	− 4 5 20.7	....
4	ε Andromedæ	9	33 37.32	− 0.18	**+10.10**	10 1 53.92	45.528	− 3.14	+ 10.2	0 33 47.21	.....	+28 49 18.8	....
5	ζ Andromedæ	9	42 23.42	− 0.18	**+10.08**	15 3 51.32	47.297	− 3.14	+ 15.5	0 42 33.31	.....	+23 46 35.8	....
6	20 Ceti	9	48 14.04	− 0.20	**+10.04**	40 27 54.98	47.285	− 3.14	+ 49.1	0 48 23.91	.....	− 1 38 1.1	....
7	*f* Piscium	9	12 58.85	− 0.19	+10.07	35 41 54.95	46.482	− 3.14	+ 41.4	1 13 8.73	.....	+ 3 8 24.9	....
8	Saturn I, C	5	21 45.29	− 0.19	+10.07	33 11 54.05	49.985	− 3.14	+ 37.7	1 21 55.17	+ 0.69	+ 5 38 44.6	....
9	Saturn II	5	21 46.66	− 0.19	+10.07	... .	......	.....	. ....	1 21 56.54	− 0.68	.. ..	....
10	ν Piscium	9	36 34.21	− 0.18	**+10.08**	33 47 54.95	47.875	− 3.14	+ 38.6	1 36 44.10	.....	+ 5 1 55.8	....
11	ζ Ceti	9	46 50.66	− 0.20	**+10.10**	49 37 55.92	43.125	− 3.14	+1 7.7	1 47 0.53	.....	−10 46 45.6	....
12	ξ Piscium	9	48 43.13	− 0.18	**+10.08**	36 5 53.78	46.025	− 3.14	+ 42.0	1 48 53.02	.....	+ 2 44 35.9	....
	September 26, M.												
13	ε Ursæ Minoris s. p.	9	55 0.13	− 0.07	+10.14	301 3 50.55	47.163	− 2.98	−1 35.2	16 55 10.20	.....	+82 11 29.8	....
14	γ Orionis	9	20 6.62	− 0.12	**+10.12**	32 33 54.08	47.138	− 2.98	+ 37.0	5 20 16.64	.....	+ 6 16 15.0	....
15	δ Orionis	9	27 12.97	− 0.12	**+10.12**	39 11 55.25	46.695	− 2.98	+ 47.2	5 27 22.99	.....	− 0 21 46.3	....
16	158 H^1. Cephei	9	32 43.39	− 0.19	+10.14	313 43 51.78	44.280	− 2.98	−1 0.2	5 32 53.34	.....	+85 8 59.8	....
17	κ Orionis	9	43 17.80	− 0.14	**+10.15**	48 31 54.62	46.138	− 2.98	+1 5.5	5 43 27.80	.....	− 9 41 51.2	....
18	α Orionis	9	50 6.21	− 0.11	**+10.12**	31 27 54.35	43.705	− 2.98	+ 35.4	5 50 16.24	.....	+ 7 23 34.9	....
19	δ Ursæ Minoris s. p.	9	1 17.00	+ 0.19	+10.15	305 29 51.88	45.422	− 2.98	−1 20.8	18 1 27.34	.....	+86 37 5.7	....
20	8 Monocerotis	9	18 48.04	− 0.12	**[+10.17]**	34 11 55.58	46.268	− 2.98	+ 39.4	6 18 58.07	.....	+ 4 38 31.0	....
21	10 Monocerotis	9	23 19.16	− 0.13	**[+10.17]**	43 31 55.08	47.318	− 2.98	+ 55.1	6 23 29.18	.....	− 4 42 8.2	....
	September 27, M.												
22	Sun I, N	9	13 11.73	− 0.14	+10.19	40 7 56.72	47.200	− 2.39	+ 47.8	12 13 21.78	+64.08	− 1 18 0.9	....
23	Sun II, S	9	15 19.89	− 0.14	+10.19	40 39 56.12	46.970	− 2.39	+ 48.7	12 15 29.94	−64.08	− 1 49 55.1	....
	September 27, P.												
24	ζ Draconis s. p.	9	8 20.33	+ 0.14	+10.24	284 43 47.88	48.173	− 3.36	−3 35.7	17 8 30.71	.....	+65 49 49.4	....
25	γ Orionis	9	20 6.57	− 0.12	**+10.20**	32 33 52.58	47.162	− 3.29	+ 37.1	5 20 16.69	.....	+ 6 16 16.2	....
26	δ Orionis	9	27 12.87	− 0.12	**+10.25**	39 11 55.32	46.618	− 3.24	+ 47.4	5 27 22.99	.....	− 0 21 44.5	....
27	ζ Orionis	9	36 1.37	− 0.13	**+10.29**	40 49 52.85	45.148	− 3.19	+ 50.2	5 36 11.48	.....	− 1 59 11.3	....
28	κ Orionis	9	43 17.71	− 0.13	**+10.26**	48 31 53.65	46.172	− 3.14	+1 5.8	5 43 27.82	.....	− 9 41 51.0	....
29	α Orionis	9	50 6.16	− 0.12	**+10.21**	31 27 55.10	43.598	− 3.10	+ 35.6	5 50 16.28	.....	+ 7 23 36.4	....
30	δ Ursæ Minoris s. p.	9	1 16.22	+ 1.06	+10.24	305 29 50.85	45.513	− 3.03	−1 21.0	18 1 27.52	.....	+86 37 6.5	....
31	8 Monocerotis	9	18 47.96	− 0.12	**[+10.28]**	34 11 54.88	46.255	− 2.92	+ 39.6	6 18 58.09	.....	+ 4 38 31.7	....
32	10 Monocerotis	9	23 19.00	− 0.13	**[+10.36]**	43 31 54.68	47.275	− 2.89	+ 55.3	6 23 29.12	.....	− 4 42 7.1	....
33	*S* Monocerotis	9	35 49.11	− 0.12	**[+10.32]**	28 51 54.05	45.575	− 2.81	+ 32.1	6 35 59.24	.....	+ 9 58 55.4	....
34	51 H. Cephei	9	58 10.44	− 1.33	+10.25	311 39 48.85	48.970	− 2.75	−1 4.9	6 58 19.36	.....	+87 11 20.0	....
	September 28, P.												
35	Sun I, S	9	16 47.93	− 0.17	+10.28	41 3 57.18	45.303	− 2.71	+ 49.1	12 16 58.04	+64.23	− 2 13 19.0	....
36	Sun II, N	9	18 56.39	− 0.17	+10.28	40 31 55.70	45.593	− 2.71	+ 48.2	12 19 6.50	−64.23	− 1 41 22.4	....
37	Mercury I, C	9	36 14.89	− 0.17	+10.29	52 47 55.50	47.051	− 2.47	+1 14.1	13 36 25.01	+ 0.29	−13 58 22.0	....
38	Venus I, C	9	44 45.98	− 0.17	+10.29	55 51 55.82	45.695	− 2.47	+1 22.7	14 44 56.10	+ 0.53	−17 1 59.9	....
39	σ Ophiuchi	9	21 50.74	− 0.18	**[+10.31]**	34 37 54.40	44.582	− 2.94	+ 38.8	17 22 0.87	.....	+ 4 13 11.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 0 24	......	....	53.0
0 41	......	....	52.8
1 0	29.824	54.9	52.1
1 20	......	....	52.0
1 41	......	....	52.0
1 51	29.804	54.1	52.0
4 55	29.794	52.2	50.0
5 20	......	....	49.8
5 43	......	....	49.2
5 51	29.800	51.8	49.0
6 19	......	....	48.8
6 37	29.814	50.7	48.5
27 12 15	29.830	60.4	60.3
5 5	29.732	49.8	47.0
5 17	......	....	47.0
5 40	......	....	46.3
6 5	29.742	49.0	46.2
6 17	......	....	46.1
6 37	29.752	48.4	46.0
7 5	......	....	47.0
7 8	29.762	49.9	....
28 12 19	29.798	61.8	62.1
13 34	29.787	63.8	63.3
14 45	29.786	65.0	64.3
17 20	29.780	63.8	63.8

Micrometer bisections are made at II, VI, except as noted below.

5, 28.	Bisections at II, VI, VII.
8.	Z. D. threads C used.
8, 37, 38.	Bisections at I, II, VI, VII.
13, 16, 19, 24, 30, 34.	Bisections at b_4, b_5, b_6.
22, 35.	Bisections at I, II, III.
23, 36.	Bisections at V, VI, VII.

Notes.

13. Very unsteady; clouds.
16–21. Conditions poor; clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 0.5	.. ....	...	+ 0.5
22	+ 5.6	−15 57.1	...	−15 51.5
23	+ 5.7	+15 57.0	...	+16 2.7
35	+ 5.7	+15 58.3	...	+16 4.0
36	+ 5.7	−15 58.3	...	−15 52.6
37	+ 8.8	.. ....	− 1.1	+ 7.7
38	+ 6.4	.. ....	− 0.2	+ 6.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	158 H^1. Cephei s. p.	9	32 41.89	+ 1.20	+10.31	304 1 48.98	45.377	− 2.97	−1 22.8	5 32 53.40	.....	+85 8 59.8	....
2	β Ophiuchi	9	38 49.47	− 0.18	[+10.34]	34 13 54.78	46.758	− 2.99	+ 38.4	17 38 59.60	.....	+ 4 36 21.6	....
3	ν Ophiuchi	9	53 52.03	− 0.19	[+10.37]	48 35 54.62	46.040	− 3.03	+1 4.0	17 54 2.15	.....	− 9 45 47.4	....
4	δ Ursæ Minoris	9	1 18.17	− 1.91	+10.31	312 15 50.32	44.123	− 3.06	−1 1.9	18 1 26.57	.....	+86 37 6.6	....
5	η Serpentis	9	16 27.18	− 0.18	[+10.29]	41 45 54.75	45.335	− 3.10	+ 50.5	18 16 37.31	.....	− 2 55 17.8	....
6	3 H. Scuti	9	30 6.60	− 0.18	[+10.29]	47 7 56.62	47.862	− 3.14	+1 1.1	18 30 16.73	.....	− 8 18 28.0	....
7	θ Serpentis	9	51 32.97	− 0.18	+10.34	34 45 53.32	44.575	− 3.21	+ 39.4	18 51 43.11	.....	+ 4 5 12.1	....
8	51 H. Cephei s. p.	9	58 7.22	+ 2.13	+10.32	306 3 51.45	45.953	− 3.23	−1 17.5	6 58 19.67	.....	+87 11 20.5	....
9	λ Ursæ Minoris	8	11 44.90	− 6.32	+10.32	309 51 52.15	45.772	− 3.27	−1 7.7	19 11 48.90	.....	+89 0 31.7	....
10	δ Draconis	9	12 22.74	− 0.36	+10.32	331 21 51.00	44.633	− 3.27	− 30.9	19 12 32.70	.....	+67 30 23.4	....
11	δ Sagittæ	9	43 11.28	− 0.19	+10.28	20 31 54.42	46.460	− 3.37	+ 21.4	19 43 21.41	.....	+18 18 46.1	....
12	α^2 Capricorni	9	12 52.28	− 0.18	+10.34	51 39 54.72	45.117	− 3.40	+1 12.1	20 13 2.42	.....	−12 49 34.0	....
13	ρ Capricorni	9	23 32.28	− 0.18	+10.34	56 55 54.45	47.772	− 3.40	+1 27.6	20 23 42.43	.....	−18 6 50.0	....
14	α Delphini	9	35 16.43	− 0.18	+10.30	23 15 54.85	43.922	− 3.40	+ 24.6	20 35 26.58	.....	+15 35 40.5	....
15	μ Aquarii	9	47 36.81	− 0.18	+10.31	48 9 55.00	44.950	− 3.40	+1 3.9	20 47 46.96	.....	− 9 19 22.4	....
16	32 Vulpeculæ	9	50 32.53	− 0.18	+10.37	11 7 53.82	46.442	− 3.40	+ 11.3	20 50 42.68	.....	+27 42 57.2	....
17	ν Aquarii	9	4 30.43	− 0.18	+10.28	50 33 57.02	47.062	− 3.40	+1 9.7	21 4 40.58	.....	−11 44 18.5	....
18	ζ Cygni	9	8 55.56	− 0.17	+10.31	8 59 53.88	45.115	− 3.40	+ 9.1	21 9 5.72	.....	+29 51 29.7	....
19	α Equulei	9	11 8.48	− 0.17	+10.29	33 57 55.25	46.418	− 3.40	+ 38.7	21 11 18.64	.....	+ 4 52 29.0	....
20	1 Pegasi	9	17 44.48	− 0.17	+10.38	19 25 54.75	45.485	− 3.40	+ 20.3	21 17 54.64	.....	+19 25 9.2	....
21	β Aquarii	9	26 38.32	− 0.17	+10.27	44 47 55.28	47.290	− 3.40	+ 57.0	21 26 48.48	.....	− 5 58 9.3	....
22	γ Capricorni	9	34 55.37	− 0.18	+10.31	55 53 55.75	46.378	− 3.40	+1 24.5	21 35 5.52	.....	−17 4 16.3	....
23	ε Pegasi	9	39 35.01	− 0.16	+10.30	29 23 55.82	43.495	− 3.40	+ 32.3	21 39 45.18	.....	+ 9 27 41.6	....
24	δ Capricorni	9	41 53.59	− 0.18	+10.23	55 21 55.80	46.535	− 3.40	+1 22.8	21 42 3.74	.....	−16 32 18.3	...
25	16 Pegasi	9	48 47.18	− 0.16	+10.37	13 21 54.35	43.300	− 3.40	+ 13.6	21 48 57.35	.....	+25 30 6.2	....
26	ι Aquarii	9	1 23.80	− 0.17	+10.25	53 7 55.78	47.385	− 3.40	+1 16.3	22 1 33.97	.....	−14 18 31.2	....
27	ι Pegasi	9	2 38.49	− 0.16	+10.33	13 57 53.22	42.780	− 3.40	+ 14.3	22 2 48.67	.....	+24 54 18.6	....
28	θ Pegasi	9	5 28.71	− 0.16	+10.34	33 5 54.62	44.515	− 3.40	+ 37.3	22 5 38.89	.....	+ 5 45 14.7	....
29	σ Aquarii	9	25 42.25	− 0.16	+10.37	49 57 57.05	47.448	− 3.40	+1 8.3	22 25 52.43	.....	−11 8 25.9	....
30	ζ Pegasi	9	36 47.57	− 0.15	+10.34	28 29 54.82	43.705	− 3.40	+ 31.2	22 36 47.76	.....	+10 21 38.9	....
31	η Pegasi	6	38 36.32	− 0.15	+10.28	9 5 55.22	46.410	− 3.40	+ 9.3	22 38 46.51	.....	+29 44 58.7	....
32	μ Pegasi	9	45 28.74	− 0.15	+10.39	14 43 54.18	44.692	− 3.40	+ 15.2	22 45 38.93	.....	+24 7 32.9	....
33	δ Aquarii	9	49 41.85	− 0.17	+10.25	55 7 55.58	45.998	− 3.40	+1 22.5	22 49 52.02	.....	−16 18 5.5	....
34	β Pegasi	9	59 13.87	− 0.14	+10.38	11 15 55.32	44.580	− 3.40	+ 11.5	22 59 24.07	.....	+27 35 38.1	....
35	τ Pegasi	9	16 0.12	− 0.14	+10.33	15 35 51.70	46.688	− 3.38	+ 16.1	23 16 10.32	.....	+23 14 48.9	....
36	κ Piscium	9	22 8.33	− 0.14	+10.37	38 5 55.38	42.925	− 3.36	+ 45.2	23 22 18.53	.....	+ 0 45 42.0	....
37	θ Piscium	9	23 13.39	− 0.14	+10.30	32 57 55.32	45.045	− 3.35	+ 37.4	23 23 23.59	.....	+ 5 53 1.7	....
38	ι Piscium	9	35 8.43	− 0.14	+10.37	33 41 55.78	46.990	− 3.31	+ 38.5	23 35 18.63	.....	+ 5 8 15.5	....
39	ι^1 Aquarii	9	39 21.48	− 0.17	+10.35	57 35 56.40	47.125	− 3.30	+1 30.7	23 39 31.65	.....	−18 46 40.4	....
40	33 Piscium	9	0 33.05	− 0.15	+10.35	45 3 57.22	43.390	− 3.23	+ 57.8	0 0 43.25	.....	− 6 12 43.0	....
41	Mars I, C.	5	4 48.29	− 0.15	+10.35	43 19 54.70	50.248	− 3.21	+ 54.5	0 4 58.49	+ 0.95	− 4 29 38.7	....
42	Mars II.	5	4 50.19	− 0.15	+10.35	... .	......	....	. ....	0 5 0.39	− 0.95	.. ..	....
43	Moon I, S.	9	7 49.37	− 0.15	+10.35	43 59 55.00	43.724	− 3.20	+ 55.7	0 7 59.57	+69.90	− 5 8 46.4	....
44	ι Ceti	9	14 39.88	− 0.16	+10.38	48 9 55.65	45.010	− 3.18	+1 4.5	0 14 50.07	.....	− 9 19 25.2	....
45	44 Piscium	9	20 36.58	− 0.14	+10.33	37 23 55.75	46.298	− 3.16	+ 44.2	0 20 46.79	.....	+ 1 26 25.5	....
46	ε Andromedæ	9	33 36.94	− 0.13	+10.45	10 1 55.55	45.430	− 3.12	+ 10.3	0 33 47.16	.....	+28 49 19.3	....
47	ζ Andromedæ	9	42 23.02	− 0.13	+10.45	15 3 54.32	47.122	− 3.09	+ 15.6	0 42 33.24	.....	+23 46 36.6	....
48	ε Piscium	9	58 5.39	− 0.14	+10.41	31 25 54.88	47.038	− 3.04	+ 35.3	0 58 15.60	.....	+ 7 24 18.2	....
49	Saturn I, C.	5	21 12.11	− 0.14	+10.35	33 15 54.30	48.610	− 2.96	+ 37.9	1 21 22.32	+ 0.72	+ 5 35 15.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 17 46	......	....	62.0
18 5	......	....	60.9
18 20	29.790	60.8	60.0
19 0	......	....	58.8
19 23	29.798	58.9	57.5
19 40	......	....	57.1
20 11	29.812	57.5	56.2
20 30	......	....	55.7
20 46	......	....	55.2
20 51	......	....	55.0
21 0	29.813	56.0	54.3
21 20	......	....	53.9
21 46	......	....	55.2
22 11	29.818	55.8	55.0
22 32	......	....	53.0
23 3	29.814	54.0	52.2
23 27	......	....	51.6
23 41	......	....	51.6
23 58	......	....	51.0
0 18	29.804	52.1	50.6
0 40	......	....	51.0
1 0	29.805	52.5	51.0
1 19	......	....	51.1

Micrometer bisections are made at II, VI, except as noted below.

1, 4, 8.	Bisections at b_4, b_5, b_6.
9.	Bisections at b_7, b_8, b_9.
10.	Bisections at III, IV, V.
12.	Bisections at II, VI, VII.
27, 28, 31, 37.	Bisections at VI, VII.
36.	Bisections at I, II.
41, 49.	Z. D. threads C used.
41, 49.	Bisections at I, II, VI, VII.
43.	Bisections at II, III, IV, V, VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
41	+ 15.2	.. ....	0.0	+ 15.2
43	+42 30.6	+16 45.6	...	+59 16.2
49	+ 0.5	.. ....	...	+ 0.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Saturn II............	5	21 13.54	− 0.14	+10.35	... .	......	....	. ....	1 21 23.75	− 0.71	.. ..	....
2	ν Piscium............	9	36 33.90	− 0.14	**+10.38**	33 47 55.75	47.838	− 2.91	+ 38.7	1 36 44.12	.....	+ 5 1 55.6	....
3	ζ Ceti............	9	46 50.38	− 0.16	**+10.37**	49 37 57.15	43.045	− 2.87	+1 7.8	1 47 0.58	.....	−10 46 45.4	....
4	ξ Piscium............	9	48 42.81	− 0.14	**+10.39**	36 5 55.98	45.948	− 2.87	+ 42.1	1 48 53.03	.....	+ 2 44 35.1	....
	September 29, L.												
5	Sun I, S............	9	20 24.37	− 0.19	+10.36	41 27 57.85	43.560	− 2.49	+ 49.4	12 20 34.54	+64.22	− 2 36 40.3	....
6	Sun II, N............	9	22 32.81	− 0.19	+10.36	40 55 54.72	43.852	− 2.49	+ 48.5	12 22 42.98	−64.22	− 2 4 42.1	....
7	Mercury I, C............	9	36 41.02	− 0.20	+10.37	52 51 57.82	46.088	− 3.22	+1 13.5	13 36 51.19	+ 0.30	−14 2 0.9	....
8	σ Ophiuchi............	9	21 50.62	− 0.20	[**+10.44**]	34 37 56.50	44.542	− 3.80	+ 38.5	17 22 0.81	.....	+ 4 13 11.2	....
9	158 H^1. Cephei s. p.	7	32 42.00	+ 0.41	+10.39	304 2	......	....	. ....	5 32 52.80	.....	+85 8	....
10	β Ophiuchi............	9	38 49.40	− 0.20	[**+10.42**]	34 13 55.02	46.780	− 3.80	+ 38.0	17 38 59.59	.....	+ 4 36 22.1	....
11	ν Ophiuchi............	9	53 52.02	− 0.21	[**+10.39**]	48 35 56.52	46.000	− 3.80	+1 3.4	17 54 2.20	.....	− 9 45 47.0	....
12	δ Ursæ Minoris............	9	1 17.72	− 0.86	+10.39	312 15 50.42	44.175	− 3.80	−1 1.3	18 1 27.25	.....	+86 37 5.4	....
13	η Serpentis............	9	16 27.12	− 0.21	[**+10.37**]	41 45 55.62	45.422	− 3.80	+ 50.0	18 16 37.30	.....	− 2 55 19.5	....
14	3 H. Scuti............	9	30 6.48	− 0.21	[**+10.43**]	47 7 56.45	47.930	− 3.80	+1 0.4	18 30 16.67	.....	− 8 18 28.0	....
15	θ Serpentis............	9	51 32.91	− 0.20	**+10.41**	34 45 56.70	44.495	− 3.80	+ 39.0	18 51 43.11	.....	+ 4 5 11.6	....
16	51 H. Cephei s. p.	9	58 7.89	+ 0.78	+10.40	306 3 52.65	45.927	− 3.80	−1 16.7	6 58 19.07	.....	+87 11 21.3	....
17	λ Ursæ Minoris............	7	11 40.18	− 2.66	+10.40	309 51 51.58	45.823	− 3.80	−1 7.0	19 11 47.92	.....	+89 0 32.2	....
18	β Pegasi............	9	59 13.91	− 0.23	**+10.42**	11 15 54.98	44.645	− 3.70	+ 11.3	22 59 24.10	.....	+27 35 37.4	....
19	τ Pegasi............	9	16 0.13	− 0.23	**+10.41**	15 35 55.78	46.532	− 3.70	+ 15.9	23 16 10.32	.....	+23 14 48.9	....
20	κ Piscium............	9	22 8.41	− 0.24	**+10.39**	38 5 57.20	42.928	− 3.70	+ 44.5	23 22 18.59	.....	+ 0 45 41.1	....
21	θ Piscium............	9	23 13.41	− 0.23	**+10.37**	32 57 55.45	45.115	− 3.70	+ 36.8	23 23 23.60	.....	+ 5 53 0.8	....
22	ι Piscium............	9	35 8.52	− 0.24	**+10.38**	33 41 56.12	47.060	− 3.70	+ 37.9	23 35 18.71	.....	+ 5 8 14.5	....
23	ι^1 Aquarii............	9	39 21.60	− 0.26	**+10.32**	57 35 55.80	47.296	− 3.70	+1 29.4	23 39 31.77	.....	−18 46 41.9	....
24	33 Piscium............	9	0 33.02	− 0.25	**+10.48**	45 3 57.30	43.482	− 3.70	+ 57.0	0 0 43.20	.....	− 6 12 43.9	....
25	Mars I, C............	5	3 42.19	− 0.24	+10.43	43 23 55.88	47.180	− 3.70	+ 53.7	0 3 52.38	+ 0.90	− 4 32 28.5	....
26	Mars II............	5	3 43.98	− 0.24	+10.43	... .	......	....	. ....	0 3 54.17	− 0.89	.. ..	....
27	ι Ceti............	9	14 39.95	− 0.25	**+10.41**	48 9 55.68	45.122	− 3.70	+1 3.5	0 14 50.13	.....	− 9 19 26.3	....
28	44 Piscium............	9	20 36.63	− 0.24	**+10.39**	37 23 55.25	46.415	− 3.70	+ 43.5	0 20 46.82	.....	+ 1 26 24.6	....
29	ε Andromedæ............	9	33 36.99	− 0.23	**+10.50**	10 1 55.75	45.455	− 3.70	+ 10.1	0 33 47.19	.....	+28 49 19.3	....
30	ζ Andromedæ............	9	42 23.15	− 0.23	**+10.43**	15 3 54.90	47.135	− 3.70	+ 15.4	0 42 33.35	.....	+23 46 36.5	....
31	ε Piscium............	9	58 5.43	− 0.23	**+10.47**	31 25 56.32	47.058	− 3.70	+ 34.9	0 58 15.63	.....	+ 7 24 17.4	....
32	Moon N............	.	.. ..	....	.....	36 29 55.65	43.908	− 3.70	+ 42.2	.. ..	.....	+ 2 21 27.2	....
33	Moon II, S............	9	7 26.63	− 0.25	+10.43	37 3 55.40	43.420	− 3.70	+ 43.0	1 7 36.81	−69.78	+ 1 47 28.7	....
34	f Piscium............	9	12 58.53	− 0.24	+10.44	35 41 55.65	46.510	− 3.70	+ 41.0	1 13 8.73	.....	+ 3 8 24.5	....
35	Saturn I, C............	5	20 55.38	− 0.24	+10.44	33 17 55.10	48.025	− 3.70	+ 37.5	1 21 5.58	+ 0.70	+ 5 33 29.2	....
36	Saturn II............	5	20 56.78	− 0.24	+10.44	... .	......	....	. ....	1 21 6.98	− 0.70	.. ..	....
37	ν Piscium............	9	36 33.94	− 0.24	**+10.45**	33 47 55.82	47.910	− 3.70	+ 38.2	1 36 44.14	.....	+ 5 1 55.1	....
38	ζ Ceti............	9	46 50.46	− 0.25	**+10.40**	49 37 57.80	43.110	− 3.70	+1 7.0	1 47 0.65	.....	−10 46 45.9	....
39	ξ Piscium............	9	48 42.82	− 0.24	**+10.50**	36 5 56.55	45.978	− 3.70	+ 41.6	1 48 53.02	.....	+ 2 44 35.1	....
	September 29, P.												
40	γ Orionis............	9	20 6.38	− 0.22	**+10.55**	32 33 54.38	47.138	− 3.58	+ 36.6	5 20 16.68	.....	+ 6 16 15.7	....
41	δ Orionis............	9	27 12.72	− 0.22	**+10.56**	39 11 54.70	46.715	− 3.58	+ 46.7	5 27 23.02	.....	− 0 21 45.1	....
42	ζ Orionis............	9	36 1.30	− 0.22	**+10.51**	40 49 54.78	45.135	− 3.58	+ 49.5	5 36 11.60	.....	− 1 59 11.8	....
43	κ Orionis............	9	43 17.61	− 0.23	**+10.52**	48 31 54.30	46.115	− 1.15	+1 4.8	5 43 27.90	.....	− 9 41 51.5	....
44	α Orionis............	9	50 6.03	− 0.22	**+10.50**	31 27 55.12	43.652	− 3.58	+ 35.1	5 50 16.33	.....	+ 7 23 36.1	....
45	δ Ursæ Minoris s. p.	9	1 14.11	+ 1.77	+10.52	305 29 50.80	45.450	− 3.58	−1 19.9	18 1 26.40	.....	+86 37 5.6	....
46	8 Monocerotis............	9	18 47.82	− 0.22	**+10.58**	34 11 55.10	46.310	− 3.58	+ 39.0	6 18 58.12	.....	+ 4 38 31.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 1 30	......	....	51.0
1 51	29.800	52.1	51.0
29 12 23	29.825	66.0	67.0
13 37	29.790	68.1	68.2
17 23	29.740	68.2	66.9
17 37	......	....	66.1
17 57	......	....	65.3
18 17	29.730	65.9	64.3
18 31	......	....	64.2
19 12	29.728	63.9	62.0
23 0	29.700	59.1	57.8
23 24	......	....	57.1
23 40	......	....	56.8
0 5	29.686	58.0	56.1
0 34	......	....	55.9
0 55	29.684	57.1	55.2
1 16	......	....	54.9
1 49	29.662	56.1	54.1
5 18	29.620	54.0	52.2
5 40	......	....	51.9
5 57	......	....	51.3
6 17	29.621	53.1	51.1

Micrometer bisections are made at II, VI, except as noted below.

5, 32.	Bisections at I, II, III.
6, 33.	Bisections at V, VI, VII.
7, 23, 25, 35.	Bisections at I, II, VI, VII.
12, 16, 17, 45.	Bisections at b_4, b_5, b_6.
20.	Bisections at I, II.
25, 35.	Z. D. threads C used.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 5.8	+15 59.1	...	+16 4.9
6	+ 5.7	−15 59.0	...	−15 53.3
7	+ 9.1	.. ....	− 1.2	+ 7.9
25	+ 15.1	.. ....	0.0	+ 15.1
32	+36 22.0	−16 44.6	...	+19 37.4
33	+36 51.3	+16 44.6	0.0	+53 35.9
35	+ 0.5	.. ....	...	+ 0.5

Notes.

9. Very faint.
43. Two microscopes used.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	10 Monocerotis	9	23 18.98	− 0.22	**[+10.53]**	43 31 55.62	47.290	− 3.58	+ 54.5	6 23 29.28	.....	− 4 42 6.9	....
2	*S* Monocerotis	9	35 49.11	− 0.22	**[+10.48]**	28 51 53.95	45.580	− 3.58	+ 31.6	6 35 59.41	.....	+ 9 58 56.7	....
	September 30, P.												
3	Sun I, N	9	24 0.96	− 0.27	+10.57	41 17 55.52	47.265	− 2.86	+ 49.0	12 24 11.26	+64.32	− 2 28 1.9	....
4	Sun II, S	9	26 9.61	− 0.27	+10.57	41 49 54.20	47.293	− 2.86	+ 49.9	12 26 19.91	−64.33	− 3 0 1.2	....
5	Mercury I, C	9	36 43.44	− 0.28	+10.58	52 51 56.10	46.905	− 2.36	+1 13.4	13 36 53.74	+ 0.30	−14 2 18.7	....
6	Venus I, C	9	54 5.80	− 0.28	+10.58	56 39 52.72	46.939	− 2.97	+1 24.4	14 54 16.10	+ 0.53	−17 50 26.4	....
7	σ Ophiuchi	9	21 50.46	− 0.26	**[+10.64]**	34 37 54.18	44.618	− 2.91	+ 38.4	17 22 0.81	.....	+ 4 13 11.0	....
8	158 H^1. Cephei s. P.	8	32 41.55	+ 1.52	+10.61	304 1 49.22	45.315	− 2.97	−1 19.0	5 32 53.68	.....	+85 9 2.5	....
9	β Ophiuchi	9	38 49.24	− 0.26	**[+10.62]**	34 13 53.82	46.812	− 3.00	+ 37.9	17 38 59.59	.....	+ 4 36 21.8	....
10	ν Ophiuchi	9	53 51.88	− 0.27	**[+10.57]**	48 35 54.22	46.105	− 3.08	+1 3.3	17 54 2.23	.....	− 9 45 47.7	....
11	δ Ursæ Minoris	9	1 17.44	− 2.45	+10.62	312 15 49.32	44.143	− 3.12	−1 1.2	18 1 25.61	.....	+86 37 6.5	....
12	η Serpentis	9	16 26.96	− 0.26	**[+10.56]**	41 45 52.80	45.530	− 3.20	+ 50.0	18 16 37.32	.....	− 2 55 19.7	....
13	3 H. Scuti	9	30 6.37	− 0.27	**[+10.58]**	47 7 54.62	47.995	− 3.28	+1 0.4	18 30 16.72	.....	− 8 18 28.2	....
14	θ Serpentis	9	51 32.78	− 0.26	**+10.58**	34 45 52.85	44.630	− 3.39	+ 39.0	18 51 43.14	.....	+ 4 5 11.9	....
15	51 H. Cephei s. P.	9	58 6.56	+ 2.70	+10.62	306 3 48.98	46.033	− 3.43	−1 16.7	6 58 19.88	.....	+87 11 20.4	....
16	λ Ursæ Minoris	9	11 44.33	− 8.09	+10.62	309 51 50.22	45.870	− 3.50	−1 7.1	19 11 46.86	.....	+89 0 32.3	....
17	Mars I, C	5	2 37.00	− 0.28	+10.65	43 25 55.58	48.719	− 3.59	+ 54.3	0 2 47.37	+ 0.95	− 4 35 4.1	....
18	Mars II	5	2 38.90	− 0.28	+10.65	... .	......	....	. ....	0 2 49.27	− 0.95	.. ..	....
19	γ Pegasi	9	8 25.06	− 0.27	**+10.65**	24 9 54.38	45.800	− 3.59	+ 25.8	0 8 35.44	.....	+14 40 57.0	....
20	*d* Piscium	9	15 46.97	− 0.27	+10.65	31 9 54.55	44.245	− 3.59	+ 34.7	0 15 57.35	− 2.51	+ 7 41 23.5	−16.8
21	44 Piscium	9	20 36.42	− 0.27	**+10.63**	37 23 55.55	46.310	− 3.59	+ 43.9	0 20 46.80	.....	+ 1 26 26.2	....
22	ε Andromedæ	9	33 36.88	− 0.27	**+10.66**	10 1 54.92	45.480	− 3.59	+ 10.2	0 33 47.27	.....	+28 49 19.4	....
23	ζ Andromedæ	9	42 22.94	− 0.27	**+10.69**	15 3 53.70	47.155	− 3.59	+ 15.5	0 42 33.33	.....	+23 46 37.0	....
24	ε Piscium	9	58 5.26	− 0.27	**+10.69**	31 25 54.38	47.088	− 3.59	+ 35.1	0 58 15.65	.....	+ 7 24 18.3	....
25	*f* Piscium	9	12 58.39	− 0.27	+10.66	35 41 55.02	46.502	− 3.59	+ 41.3	1 13 8.78	.....	+ 3 8 24.9	....
26	Saturn I, C	5	20 38.54	− 0.27	+10.66	33 19 53.65	47.409	− 3.59	+ 37.8	1 20 48.93	+ 0.71	+ 5 31 44.3	....
27	Saturn II	5	20 39.97	− 0.27	+10.66	... .	......	....	. ....	1 20 50.36	− 0.72	.. ..	....
28	η Piscium	9	26 28.89	− 0.26	**+10.63**	23 57 56.12	45.910	− 3.59	+ 25.6	1 26 39.29	.....	+14 52 53.0	....
29	ν Piscium	9	36 33.76	− 0.27	**+10.68**	33 47 55.08	47.895	− 3.59	+ 38.6	1 36 44.15	.....	+ 5 1 55.7	....
30	ζ Ceti	9	46 50.24	− 0.29	**+10.67**	49 37 55.55	43.170	− 3.59	+1 7.7	1 47 0.61	.....	−10 46 45.8	....
31	ξ Piscium	9	48 42.66	− 0.27	**+10.70**	36 5 56.02	45.950	− 3.59	+ 42.1	1 48 53.05	.....	+ 2 44 35.7	....
32	Moon II, N	9	4 59.58	− 0.28	+10.66	29 43 55.75	48.328	− 3.59	+ 33.0	2 5 9.96	−70.26	+ 9 5 50.6	....
33	ξ^1 Ceti	9	8 2.51	− 0.27	**+10.73**	30 25 55.72	43.990	− 3.59	+ 33.9	2 8 12.90	.....	+ 8 25 29.0	....
	September 30, M.												
34	γ Orionis	9	20 6.26	− 0.22	**+10.70**	32 33 54.50	47.115	− 2.73	+ 36.8	5 20 16.77	.....	+ 6 16 15.0	....
35	δ Orionis	9	27 12.62	− 0.23	**+10.70**	39 11 55.68	46.652	− 2.73	+ 47.0	5 27 23.12	.....	− 0 21 45.8	....
36	158 H^1. Cephei	8	32 44.59	− 1.13	+10.73	313 43 53.40	44.153	− 2.73	− 59.9	5 32 54.19	.....	+85 9 0.5	....
37	ζ Orionis	9	36 1.12	− 0.23	**+10.73**	40 49 53.12	45.198	− 2.73	+ 49.8	5 36 11.62	.....	− 1 59 12.8	....
38	κ Orionis	9	43 17.51	− 0.24	**+10.66**	48 31 54.32	46.160	− 2.73	+1 5.1	5 43 28.00	.....	− 9 41 51.2	....
39	α Orionis	9	50 5.84	− 0.22	**+10.72**	31 27 54.50	43.662	− 2.73	+ 35.2	5 50 16.35	.....	+ 7 23 35.5	....
40	δ Ursæ Minoris s. P.	9	1 14.50	+ 1.40	+10.74	305 29 52.58	45.365	− 2.73	−1 20.3	18 1 26.64	.....	+86 37 5.9	....
41	8 Monocerotis	9	18 47.66	− 0.23	**+10.78**	34 11 54.60	46.315	− 2.73	+ 39.2	6 18 58.17	.....	+ 4 38 30.8	....
42	10 Monocerotis	9	23 18.80	− 0.23	**[+10.75]**	43 31 54.38	47.380	− 2.73	+ 54.8	6 23 29.31	.....	− 4 42 8.9	....
43	*S* Monocerotis	9	35 48.91	− 0.22	**[+10.71]**	28 51 55.72	45.520	− 2.73	+ 31.8	6 35 59.43	.....	+ 9 58 55.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 6 38	......	....	51.0
7 13	29.626	53.0	....
30 12 26	29.700	66.2	66.2
13 35	29.680	67.0	67.2
14 55	29.670	68.0	67.2
17 20	29.670	67.0	67.0
17 42	......	....	66.0
17 57	......	....	65.0
18 14	29.674	65.0	64.0
18 34	......	....	63.0
18 47	......	....	62.6
19 17	29.692	62.0	61.1
0 0	29.728	54.1	53.0
0 23	......	....	52.5
0 40	......	....	52.0
1 1	29.724	53.0	52.0
1 18	......	....	51.9
1 41	......	....	50.6
1 55	......	....	50.0
2 10	29.724	51.2	50.0
5 20	29.720	50.8	51.1
5 43	......	....	50.8
5 50	29.726	50.8	....
6 18	......	....	50.5
6 36	29.738	50.6	50.5

Micrometer bisections are made at II, VI, except as noted below.

3.	Bisections at I, II, III.
4.	Bisections at V, VI, VII.
5, 6, 17, 26.	Bisections at I, II, VI, VII.
8.	Bisections at b_4, b_5.
11, 15, 16, 36, 40.	Bisections at b_4, b_5, b_6.
17, 26.	Z. D. threads C used.
32.	Bisections at II, III, IV, V, VI.

Notes.

8. Faint.
34. Woolly.
38–43. Conditions poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 5.8	−15 59.7	...	−15 53.9
4	+ 5.8	+15 59.6	...	+16 5.4
5	+ 9.3	.. ....	− 1.2	+ 8.1
6	+ 6.5	.. ....	− 0.1	+ 6.4
17	+ 15.1	.. ....	0.0	+ 15.1
26	+ 0.5	.. ....	...	+ 0.5
32	+30 8.6	−16 39.6	...	+13 29.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	51 H. Cephei	7	58 12.34	− 1.89	+10.74	311 39 52.42	48.733	− 2.73	−1 4.3	6 58 21.19	.....	+87 11 21.2	....
	October 1, M.												
2	Sun I, S.	9	27 37.63	− 0.23	+10.76	42 13 56.75	45.278	− 2.89	+ 51.0	12 27 48.16	+64.35	− 3 23 19.7	....
3	Sun II, N	9	29 46.33	− 0.23	+10.76	41 41 54.90	45.480	− 2.89	+ 50.0	12 29 56.86	−64.35	− 2 51 20.6	....
4	σ Ophiuchi	9	21 50.23	− 0.25	[+10.84]	34 37 53.18	44.688	− 2.67	+ 38.6	17 22 0.76	.....	+ 4 13 10.0	....
5	β Ophiuchi	9	38 49.01	− 0.25	[+10.82]	34 13 53.45	46.848	− 2.67	+ 38.1	17 38 59.54	.....	+ 4 36 20.8	....
6	ν Ophiuchi	9	53 51.65	− 0.26	[+10.77]	48 35 54.18	46.100	− 2.67	+1 3.5	17 54 2.17	.....	− 9 45 48.2	....
7	δ Ursæ Minoris	9	1 17.44	− 2.24	+10.78	312 15 50.95	44.070	− 2.67	−1 1.5	18 1 25.98	.....	+86 37 6.4	....
8	η Serpentis	9	16 26.75	− 0.25	[+10.74]	41 45 54.10	45.468	− 2.67	+ 50.2	18 16 37.29	.....	− 2 55 20.4	....
9	3 H. Scuti	9	30 6.15	− 0.26	[+10.77]	47 7 54.70	47.995	− 2.67	+1 0.7	18 30 16.68	.....	− 8 18 29.2	....
10	θ Serpentis	9	51 32.55	− 0.25	+10.78	34 45 54.48	44.575	− 2.67	+ 39.2	18 51 43.09	.....	+ 4 5 10.7	....
11	51 H. Cephei S. P.	9	58 8.00	+ 2.47	+10.79	306 3 51.75	45.897	− 2.67	−1 17.1	6 58 21.26	.....	+87 11 20.5	....
12	λ Ursæ Minoris	7	11 41.18	− 7.39	+10.79	309 51 51.80	45.767	− 2.67	−1 7.4	19 11 44.58	.....	+89 0 32.5	....
13	Mars I, C.	5	1 33.06	− 0.25	+10.82	43 27 56.32	49.578	− 3.33	+ 54.6	0 1 43.63	+ 0.86	− 4 37 25.0	....
14	Mars II	5	1 34.77	− 0.25	+10.82	... .	......	....	.....	0 1 45.34	− 0.85	.. ..	....
15	γ Pegasi	9	8 24.87	− 0.23	+10.80	24 9 55.22	45.782	− 3.30	+ 25.9	0 8 35.46	.....	+14 40 56.2	....
16	d Piscium	9	15 46.82	− 0.23	+10.82	31 9 54.42	44.270	− 3.27	+ 34.9	0 15 57.41	− 2.52	+ 7 41 22.6	−16.9
17	44 Piscium	9	20 36.31	− 0.24	+10.72	37 23 55.15	46.350	− 3.25	+ 44.2	0 20 46.89	.....	+ 1 26 25.0	....
18	ε Andromedæ	9	33 36.68	− 0.22	+10.82	10 1 54.85	45.508	− 3.19	+ 10.3	0 33 47.28	.....	+28 49 18.3	....
19	ζ Andromedæ	9	42 22.77	− 0.22	+10.81	15 3 53.68	47.185	− 3.15	+ 15.6	0 42 33.37	.....	+23 46 35.8	....
20	ε Piscium	9	58 5.10	− 0.23	+10.82	31 25 54.58	47.100	− 3.09	+ 35.4	0 58 15.70	.....	+ 7 24 17.1	....
21	f Piscium	9	12 58.22	− 0.24	+10.83	35 41 55.45	46.500	− 3.02	+ 41.6	1 13 8.81	.....	+ 3 8 23.6	....
22	Saturn I, C.	5	20 21.51	− 0.24	+10.83	33 19 54.48	52.001	− 2.99	+ 38.1	1 20 32.10	+ 0.64	+ 5 29 57.6	....
23	Saturn II	5	20 22.80	− 0.24	+10.83	... .	......	....	.....	1 20 33.39	− 0.65	.. ..	....
24	η Piscium	9	26 28.67	− 0.23	+10.83	23 57 55.15	45.955	− 2.92	+ 25.8	1 26 39.27	.....	+14 52 52.1	....
25	ν Piscium	9	36 33.60	− 0.24	+10.82	33 47 55.10	47.905	− 2.92	+ 38.9	1 36 44.19	.....	+ 5 1 54.5	....
26	τ Ceti	9	39 42.41	− 0.27	+10.74	55 13 54.72	47.525	− 2.91	+1 23.5	1 39 52.97	.....	−16 24 41.0	....
27	ζ Ceti	9	46 50.01	− 0.26	+10.88	49 37 56.45	43.125	− 2.88	+1 8.2	1 47 0.58	.....	−10 46 46.9	....
28	ξ Piscium	9	48 42.49	− 0.24	+10.85	36 5 55.28	45.982	− 2.87	+ 42.3	1 48 53.08	.....	+ 2 44 34.8	....
29	ν Ceti	9	30 57.66	− 0.24	+10.82	33 39 55.52	42.265	− 2.74	+ 38.7	2 31 8.26	.....	+ 5 12 3.0	....
30	δ Ceti	9	34 40.83	− 0.24	+10.84	38 53 55.12	46.128	− 2.74	+ 46.9	2 34 51.43	.....	− 0 3 33.3	....
31	γ Ceti	9	38 26.89	− 0.24	+10.78	35 59 55.38	43.782	− 2.74	+ 42.2	2 38 37.49	.....	+ 2 51 24.7	....
32	μ Ceti	9	39 53.07	− 0.23	+10.85	29 7 55.65	42.535	− 2.74	+ 32.4	2 49 3.68	.....	+ 9 44 2.9	....
33	41 Arietis	9	44 29.47	− 0.22	+10.80	11 57 54.82	45.362	− 2.74	+ 12.4	2 44 40.09	.....	+26 53 19.1	....
34	ε Arietis (*mean*)	9	53 52.19	− 0.22	+10.86	17 51 56.00	46.410	− 2.74	+ 18.8	2 54 2.81	.....	+20 58 47.6	....
35	Moon II, N	9	3 35.16	− 0.24	+10.84	23 43 54.68	41.734	− 2.74	+ 25.5	3 3 45.76	−71.14	+15 8 29.1	....
	October 1, L.												
36	π^5 Orionis	9	49 21.94	− 0.18	+10.79	36 33 57.72	42.782	− 2.86	+ 43.2	4 49 32.50	.....	+ 2 17 44.7	....
37	β Orionis	9	10 1.06	− 0.19	+10.70	47 7 58.00	46.832	− 2.86	+1 2.7	5 10 11.62	.....	− 8 18 7.7	....
38	γ Orionis	9	20 6.20	− 0.18	+10.75	32 33 54.92	47.048	− 2.86	+ 37.2	5 20 16.77	.....	+ 6 16 15.9	....
39	δ Orionis	9	27 12.56	− 0.18	+10.74	39 11 57.20	46.542	− 2.86	+ 47.6	5 27 23.13	.....	− 0 21 45.2	....
40	158 H^1. Cephei	9	32 44.11	− 0.83	+10.75	313 43 53.40	44.263	− 2.86	−1 0.7	5 32 54.03	.....	+85 8 58.9	....
41	ζ Orionis	9	36 1.01	− 0.18	+10.82	40 49 56.38	44.990	− 2.86	+ 50.4	5 36 11.58	.....	− 1 59 11.5	....
42	κ Orionis	9	43 17.43	− 0.20	+10.73	48 31 57.80	45.945	− 2.86	+1 6.0	5 43 27.98	.....	− 9 41 50.6	....
43	α Orionis	9	50 5.76	− 0.17	+10.78	31 27 56.48	43.535	− 2.86	+ 35.7	5 50 16.34	.....	+ 7 23 36.1	....
44	δ Ursæ Minoris S. P.	9	1 13.78	+ 1.07	+10.75	305 29 53.22	45.447	− 2.86	−1 21.3	18 1 25.60	.....	+86 37 7.3	....
45	8 Monocerotis	4	18 47.58	− 0.18	+10.84	34 11 43.15	46.798	− 2.86	+ 39.7	6 18 58.15	.....	+ 4 38 31.0	....
46	10 Monocerotis	9	23 18.70	− 0.19	+10.83	43 31 56.22	47.195	− 2.86	+ 55.5	6 23 29.26	.....	− 4 42 7.0	....
47	51 H. Cephei	7	58 11.61	− 1.40	+10.76	311 39 51.35	48.925	− 2.86	−1 5.3	6 58 20.97	.....	+87 11 19.0	....
48	λ Ursæ Minoris S. P.	6	11 31.93	+ 3.77	+10.76	307 54	....	....	.....	19 11 46.46	.....	+89 0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 6 58	29.750	51.7	51.3
1 12 30	29.772	63.3	64.0
17 22	29.724	65.8	65.7
17 54	....	....	64.2
18 16	29.738	63.2	62.5
19 12	29.750	60.8	59.8
0 2	29.768	52.2	50.6
0 21	....	....	49.4
0 58	....	....	49.6
1 13	29.770	50.5	....
1 33	....	....	48.2
1 53	29.766	49.5	47.7
2 31	29.762	48.7	47.1
3 4	29.756	48.8	47.4
4 50	....	....	46.0
5 11	29.758	47.1	45.9
5 44	....	....	45.1
5 51	29.760	46.7	45.0
6 4	....	....	44.8
6 24	....	....	44.3
7 4	29.772	46.1	44.9

Micrometer bisections are made at II, VI, except as noted below.

1, 7, 11, 12, 40, 44, 47.	Bisections at b_4, b_5, b_6.
2.	Bisections at I, II, III.
3.	Bisections at V, VI, VII.
13, 22.	Z. D. threads C used.
13, 22.	Bisections at I, II, VI, VII.
30, 31.	Bisections at I, II.
35.	Bisections at II, III, IV, V, VI.
36, 41, 45.	Bisections at VI, VII.
37.	Bisections at II, VI, VII.

Notes.

1. Conditions poor.

48. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 5.9	+15 59.5	...	+16 5.4
3	+ 5.8	−15 59.5	...	−15 53.7
13	+ 15.0	.. ....	0.0	+ 15.0
22	+ 0.6	.. ....	...	+ 0.6
35	+24 7.8	−16 23.8	...	+ 7 39.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 2, L.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	31 15.01	− 0.16	+10.81	42 3 58.25	48.512	− 2.23	+ 51.0	12 31 25.66	+64.32	− 3 14 35.7	....
2	Sun II, S	9	33 23.66	− 0.16	+10.81	42 35 56.15	48.698	− 2.23	+ 52.0	12 33 34.31	−64.33	− 3 46 38.1	....
3	σ Ophiuchi	9	21 50.14	− 0.20	[+10.87]	34 37 57.18	44.465	− 3.04	+ 38.9	17 22 0.80	.....	+ 4 13 11.1	....
4	β Ophiuchi	.	.. ..	....	.....	34 13 56.62	46.660	− 3.04	+ 38.4	17 38	.....	+ 4 36 22.0	....
5	ν Ophiuchi	9	53 51.52	− 0.21	[+10.84]	48 35 58.20	45.835	− 3.04	+1 4.0	17 54 2.17	.....	− 9 45 46.3	....
6	δ Ursæ Minoris	9	1 16.44	− 1.56	+10.86	312 15 53.15	44.048	− 3.04	−1 1.9	18 1 25.74	.....	+86 37 5.4	....
7	η Serpentis	9	16 26.62	− 0.20	[+10.80]	41 45 57.30	45.280	− 3.04	+ 50.6	18 16 37.28	.....	− 2 55 19.3	....
8	3 H. Scuti	9	30 6.07	− 0.21	[+10.78]	47 7 57.98	47.762	− 3.04	+1 1.1	18 30 16.72	.....	− 8 18 27.2	....
9	θ Serpentis	9	51 32.47	− 0.20	+10.79	34 45 57.65	44.388	− 3.04	+ 39.4	18 51 43.14	.....	+ 4 5 11.9	....
10	51 H. Cephei s. p.	7	58 8.66	+ 1.72	+10.87	306 3 54.95	45.808	− 3.04	−1 17.5	6 58 21.25	.....	+87 11 20.8	....
11	λ Ursæ Minoris	7	11 38.46	− 5.16	+10.87	309 51 56.12	45.618	− 3.04	−1 7.7	19 11 44.17	.....	+89 0 32.2	....
	October 2; P.												
12	δ Arietis	9	6 17.07	− 0.18	+10.97	19 27 55.82	45.380	− 3.10	+ 20.5	3 [illegible] 27.87	.....	+19 23 10.0	....
13	ζ Arietis	9	9 31.69	− 0.18	+11.05	18 7 56.58	46.760	− 3.10	+ 19.0	3 [illegible] 42.49	.....	+20 42 39.2	....
14	ο Tauri	9	19 46.42	− 0.18	+10.96	30 7 55.68	45.818	− 3.10	+ 33.7	3 19 57.22	.....	+ 8 42 46.8	....
15	ξ Tauri	9	22 5.66	− 0.18	+11.01	29 25 55.25	44.798	− 3.10	+ 32.7	3 22 16.46	.....	+ 9 25 11.5	....
16	f Tauri	9	25 42.36	− 0.18	+11.00	26 13 55.95	43.540	− 3.10	+ 28.6	3 25 53.16	.....	+12 37 43.8	....
17	ε Eridani	9	28 29.96	− 0.21	+10.96	48 35 54.98	45.595	− 3.10	+1 5.7	3 28 40.73	.....	− 9 45 39.2	....
18	δ Eridani	9	38 44.70	− 0.21	+10.99	48 53 56.80	46.325	− 3.10	+1 6.5	3 38 55.47	.....	−10 3 58.5	....
19	η Tauri	9	41 56.00	− 0.18	+10.97	15 1 55.15	44.425	− 3.10	+ 15.6	3 42 6.80	.....	+23 49 37.4	....
20	λ Tauri	9	55 29.65	− 0.18	+11.01	26 35 56.70	47.450	− 3.10	+ 29.1	3 55 40.45	.....	+12 14 13.2	....
21	Moon II, N	9	3 37.58	− 0.18	+10.98	18 47 55.35	43.999	− 3.10	+ 19.8	4 3 48.38	−72.11	+20 3 42.7	....
22	o^1 Eridani	9	7 16.66	− 0.20	+10.96	45 53 57.20	47.150	− 3.10	+ 59.9	4 7 27.44	.....	− 7 4 11.2	....
23	o^2 Eridani	9	10 56.19	− 0.20	+10.94	46 37 55.68	45.112	− 3.10	+1 1.4	4 11 6.97	.....	− 7 47 24.6	....
24	α Tauri	9	30 33.17	− 0.18	+11.03	22 31 56.58	43.585	− 3.10	+ 24.1	4 30 43.97	.....	+16 19 46.7	....
25	53 Eridani	9	33 51.92	− 0.22	+10.87	53 17 56.30	47.460	− 3.10	+1 17.9	4 34 2.68	.....	−14 28 35.3	....
26	τ Tauri	9	36 38.28	− 0.18	+11.01	16 3 53.48	45.800	− 3.10	+ 16.8	4 36 49.08	.....	+22 47 6.4	....
27	π^3 Orionis	9	44 45.16	− 0.19	+10.99	32 1 55.00	46.750	− 3.10	+ 36.4	4 44 55.96	.....	+ 6 48 23.6	....
28	π^5 Orionis	9	49 21.74	− 0.19	+11.02	36 31 55.88	48.118	− 3.10	+ 43.1	4 49 32.54	.....	+ 2 17 44.8	....
29	ι Tauri	9	57 30.58	− 0.18	+11.03	17 23 55.28	43.950	− 3.10	+ 18.2	4 57 41.39	.....	+21 27 45.5	....
30	11 Orionis	8	59 13.25	− 0.18	+11.03	23 33 54.82	46.118	− 3.10	+ 25.4	4 59 24.06	.....	+15 16 49.4	....
31	β Tauri	9	20 23.62	− 0.17	+10.95	10 19 54.42	43.870	− 3.10	+ 10.6	5 20 34.44	.....	+28 31 55.8	....
32	α Leporis	9	28 33.79	− 0.22	+10.99	56 43 54.75	42.675	− 3.10	+1 28.5	5 28 44.56	.....	−17 52 55.2	....
33	ι Orionis	9	30 49.77	− 0.20	+10.97	44 47 56.90	46.540	− 3.10	+ 57.8	5 31 0.56	.....	− 5 57 54.8	....
	October 4, M.												
34	Sun N	.	.. ..	....	.....	42 51 58.38	44.415	− 2.61	+ 52.9	12 39	.....	− 4 1 3.8	....
35	Sun S	.	.. ..	....	.....	43 23 56.62	44.515	− 2.61	+ 53.9	.. ..	.....	− 4 33 4.4	....
36	σ Ophiuchi	9	21 49.77	− 0.24	[+11.25]	34 37 56.68	44.538	− 2.77	+ 39.3	17 21 0.70	.....	+ 4 13 9.3	....
37	β Ophiuchi	9	38 48.52	− 0.24	[+11.25]	34 13 54.65	46.795	− 2.93	+ 38.8	17 38 59.45	.....	+ 4 36 20.4	....
38	ν Ophiuchi	9	53 51.17	− 0.26	[+11.21]	48 35 55.50	45.990	− 3.07	+1 4.6	17 54 2.09	.....	− 9 45 47.7	....
39	δ Ursæ Minoris	9	1 15.39	− 1.76	+11.18	312 15 52.38	44.055	− 3.12	−1 2.5	18 1 24.81	.....	+86 37 6.7	....
40	η Serpentis	9	16 26.24	− 0.25	[+11.20]	41 45 54.90	45.395	− 3.27	+ 51.1	18 16 37.17	.....	− 2 55 19.8	....
41	3 H. Scuti	9	30 5.71	− 0.26	[+11.16]	47 7 56.28	47.902	− 3.40	+1 1.8	18 30 16.63	.....	− 8 18 29.0	....
42	θ Serpentis	9	51 32.05	− 0.24	+11.22	34 45 54.82	44.552	− 3.45	+ 39.9	18 51 42.99	.....	+ 4 5 10.9	....
43	51 H. Cephei s. p.	9	58 9.72	+ 1.90	+11.18	306 3 52.02	45.950	− 3.45	−1 18.5	6 58 22.80	.....	+87 11 19.8	....
44	λ Ursæ Minoris	7	11 34.46	− 5.77	+11.18	309 51 53.20	45.775	− 3.45	−1 8.6	19 11 39.87	.....	+89 0 32.9	....
	October 4, P.												
45	o^1 Eridani	9	7 16.53	− 0.21	+11.15	45 53 56.05	47.178	− 3.29	+1 0.2	4 7 27.51	.....	− 7 4 10.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 12 33	29.788	60.7	61.0
17 23	29.756	63.0	62.2
17 54	......	....	60.8
18 18	29.754	60.2	59.1
18 31	......	....	59.0
18 52	......	....	58.4
19 12	29.768	58.7	57.8
3 4	29.812	51.0	49.3
3 17	......	....	49.1
3 37	......	....	48.3
3 59	29.806	50.2	48.0
4 14	......	....	48.0
4 40	29.808	50.0	47.6
5 3	......	....	47.8
5 19	......	....	47.3
5 33	29.820	49.4	47.0
4 12 41	30.040	62.0	61.0
17 22	30.038	62.6	61.9
18 1	......	....	60.5
18 16	30.046	60.0	59.2
18 52	......	....	57.7
19 11	30.052	57.7	55.7
4 5	30.108	52.1	50.9

Micrometer bisections are made at II, VI, except as noted below.

1, 34.	Bisections at I, II, III.
2, 35.	Bisections at V, VI, VII.
6, 10, 39, 43, 44.	Bisections at b_4, b_5, b_6.
11.	Bisections at b_1, b_6.
14, 15, 32.	Bisections at I, II.
21.	Bisections at II, III, IV, V, VI.
30.	Bisections at VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.9	−16 1.2	...	−15 55.3
2	+ 5.9	+16 1.2	...	+16 7.1
21	+19 1.4	−16 14.6	...	+ 2 46.8
34	+ 6.0	−16 0.3	...	−15 54.3
35	+ 6.0	+16 0.3	...	+16 6.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	o^2 Eridani	9	10 56.02	− 0.21	+11.17	46 37 55.75	45.082	− 3.29	+1 1.7	4 11 7.00	.....	− 7 47 24.1	....
2	53 Eridani	9	33 51.77	− 0.21	+11.07	53 17 54.20	47.523	− 3.29	+1 18.3	4 34 2.76	.....	−14 28 34.8	....
3	π^3 Orionis	9	44 45.04	− 0.19	+11.17	32 1 54.68	46.745	− 3.29	+ 36.7	4 44 56.05	.....	+ 6 48 24.0	....
4	π^5 Orionis	9	49 21.67	− 0.19	+11.15	36 31 55.70	48.085	− 3.29	+ 43.4	4 49 32.68	.....	+ 2 17 45.6	....
5	ι Tauri	9	57 30.45	− 0.18	+11.22	17 23 54.80	43.960	− 3.29	+ 18.4	4 57 41.47	.....	+21 27 45.5	....
6	11 Orionis	9	59 13.13	− 0.18	+11.20	23 33 54.65	46.110	− 3.29	+ 25.6	4 59 24.15	.....	+15 16 49.7	....
7	β Orionis	9	10 0.69	− 0.20	+11.16	47 7 57.55	46.815	− 3.29	+1 3.3	5 10 11.69	.....	− 8 18 7.1	....
8	τ Orionis	9	13 2.02	− 0.20	+11.22	45 45 55.52	47.458	− 3.29	+1 0.4	5 13 13.02	.....	− 6 56 16.8	....
9	γ Orionis	9	20 5.81	− 0.18	+11.22	32 33 55.48	47.010	− 3.29	+ 37.6	5 20 16.83	.....	+ 6 16 16.2	....
10	δ Orionis	9	27 12.21	− 0.18	+11.17	39 11 56.68	46.565	− 3.29	+ 48.0	5 27 23.23	.....	− 0 21 45.2	....
11	158 H^1. Cephei	9	32 45.39	− 0.90	+11.20	313 43 51.90	44.368	− 3.29	−1 1.2	5 32 55.69	.....	+85 8 58.9	....
12	ζ Orionis	9	36 0.69	− 0.18	+11.22	40 49 55.65	45.022	− 3.29	+ 50.9	5 36 11.71	.....	− 1 59 11.8	....
13	κ Orionis	9	43 16.98	− 0.19	+11.25	48 31 55.78	46.030	− 3.29	+1 6.5	5 43 27.99	.....	− 9 41 50.5	....
14	α Orionis	9	50 5.39	− 0.18	+11.25	31 27 55.65	43.605	− 3.29	+ 36.0	5 50 16.41	.....	+ 7 23 35.5	....
15	δ Ursæ Minoris s. p.	7	1 11.64	+ 1.15	+11.20	305 29 52.25	45.487	− 3.29	−1 21.9	18 1 23.99	.....	+86 37 6.2	....
16	Moon II, S	9	6 21.68	− 0.17	+11.21	13 59 55.80	43.422	− 3.29	+ 14.7	6 6 32.72	−72.50	+24 52 0.8	....
17	μ Geminorum	9	17 18.00	− 0.16	+11.28	16 17 55.85	44.115	− 3.29	+ 17.2	6 17 29.05	.....	+22 33 42.3	....
18	8 Monocerotis	9	18 47.24	− 0.17	+11.26	34 11 57.55	46.140	− 3.29	+ 40.0	6 18 58.28	.....	+ 4 38 31.6	....
19	ν Geminorum	9	23 24.26	− 0.16	+11.21	18 33 48.40	48.075	− 3.29	+ 19.8	6 23 35.31	.....	+20 16 16.7	....
20	ε Geminorum	9	38 10.71	− 0.16	+11.19	13 37 48.78	45.568	− 3.29	+ 14.3	6 38 21.76	.....	+25 13 19.1	....
21	51 H. Cephei	8	58 13.91	− 1.49	+11.21	311 39 45.65	49.207	− 3.29	−1 5.6	6 58 23.63	.....	+87 11 19.0	....
	October 5, P.												
22	Sun I, S	9	42 8.44	− 0.22	+11.25	43 45 50.10	47.837	− 2.42	+ 54.5	12 42 19.47	+64.57	− 4 56 15.5	....
23	Sun II, N	9	44 17.58	− 0.22	+11.25	43 13 50.85	47.798	− 2.42	+ 53.5	12 44 28.61	−64.57	− 4 24 13.5	....
24	Venus I, C	9	17 42.70	− 0.24	+11.26	58 33 48.00	45.761	− 3.23	+1 32.5	15 17 53.72	+ 0.55	−19 44 2.6	....
25	σ Ophiuchi	9	21 49.71	− 0.23	[+11.28]	34 37 47.68	44.895	− 2.98	+ 39.2	17 22 0.75	.....	+ 4 13 10.4	....
26	β Ophiuchi	9	38 48.49	− 0.23	[+11.25]	34 13 47.22	47.115	− 3.06	+ 38.7	17 38 59.54	.....	+ 4 36 20.8	....
27	ν Ophiuchi	9	53 51.07	− 0.25	[+11.28]	48 35 48.58	46.310	− 3.12	+1 4.5	17 54 2.10	.....	− 9 45 47.9	....
28	δ Ursæ Minoris	9	1 15.22	− 1.56	+11.28	312 15 41.75	44.525	− 3.16	−1 2.4	18 1 24.94	.....	+86 37 6.5	....
29	η Serpentis	9	16 26.20	− 0.24	[+11.21]	41 45 47.68	45.730	− 3.22	+ 50.9	18 16 37.24	.....	− 2 55 20.1	....
30	3 H. Scuti	9	30 5.62	− 0.24	[+11.21]	47 7 47.52	48.292	− 3.28	+1 1.5	18 30 16.66	.....	− 8 18 29.0	....
31	θ Serpentis	9	51 31.99	− 0.23	+11.25	34 45 46.80	44.875	− 3.37	+ 39.7	18 51 43.04	.....	+ 4 5 11.7	....
32	51 H. Cephei s. p.	9	58 9.89	+ 1.65	+11.28	306 3 44.28	46.283	− 3.40	−1 18.1	6 58 22.82	.....	+87 11 20.1	....
33	λ Ursæ Minoris	6	11 34.62	− 5.08	+11.29	309 51 45.50	46.090	− 3.46	−1 8.2	19 11 40.83	.....	+89 0 32.9	....
	October 5, L.												
34	π^5 Orionis	9	49 21.54	− 0.20	+11.31	36 31 50.28	48.388	− 2.92	+ 43.2	4 49 32.63	.....	+ 2 17 44.0	....
35	ι Tauri	8	57 30.40	− 0.19	+11.31	17 23 49.95	44.185	− 2.92	+ 18.3	4 57 41.50	.....	+21 27 45.2	....
36	11 Orionis	9	59 13.08	− 0.19	+11.29	23 33 49.60	46.335	− 2.92	+ 25.5	4 59 24.18	.....	+15 16 49.2	....
37	β Orionis	9	10 0.66	− 0.21	+11.23	47 7 50.22	47.172	− 2.92	+1 2.8	5 10 11.74	.....	− 8 18 7.7	....
38	τ Orionis	9	13 2.01	− 0.21	+11.27	45 45 49.98	47.732	− 2.92	+ 59.9	5 13 13.09	.....	− 6 56 17.4	....
39	γ Orionis	9.	20 5.78	− 0.20	+11.30	32 33 48.12	47.325	− 2.92	+ 37.2	5 20 16.87	.....	+ 6 16 16.4	....
40	δ Orionis	9	27 12.17	− 0.20	+11.26	39 11 50.52	46.800	− 2.92	+ 47.6	5 27 23.26	.....	− 0 21 44.5	....
41	α Leporis	9	28 33.64	− 0.23	+11.23	56 41 48.00	48.225	− 2.92	+1 28.6	5 28 44.71	.....	−17 52 55.4	....
42	ζ Orionis	9	36 0.63	− 0.21	+11.34	40 49 48.92	45.310	− 2.92	+ 50.4	5 36 11.72	.....	− 1 59 11.5	....
43	κ Orionis	9	43 16.98	− 0.22	+11.31	48 31 50.00	46.275	− 2.92	+1 6.0	5 43 28.06	.....	− 9 41 50.2	....
44	α Orionis	9	50 5.37	− 0.20	+11.32	31 27 48.28	43.890	− 2.92	+ 35.7	5 50 16.47	.....	+ 7 23 36.2	....
45	δ Ursæ Minoris s. p.	5	1 10.88	+ 1.18	+11.30	305 29 46.12	45.725	− 2.92	−1 21.3	18 1 23.36	.....	+86 37 6.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 4 30	......	....	50.6
4 42	30.114	51.8	49.2
5 6	......	....	47.0
5 24	......	....	46.2
5 54	30.116	49.0	47.1
6 14	......	....	47.2
6 28	......	....	47.5
6 40	30.124	49.3	47.6
7 6	......	....	48.0
7 8	30.134	49.5	....
5 12 44	30.180	64.8	64.5
15 19	30.150	66.1	65.8
17 20	30.134	66.0	65.0
17 41	......	....	64.0
17 58	......	....	63.0
18 20	30.126	63.0	62.0
18 40	......	....	61.0
19 0	......	....	60.6
19 17	30.127	61.2	60.2
4 50	30.092	52.0	50.9
5 17	......	....	50.9
5 29	......	....	50.9
5 51	......	....	49.9

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at II, VI, VII.
5, 40.	Bisections at I, II.
6.	Bisections at VI, VII.
11, 15, 21, 28, 32.	Bisections at b_4, b_5, b_6.
16.	Bisections at II, III, IV, V, VI.
22.	Bisections at I, II, III.
23.	Bisections at V, VI, VII.
24.	Bisections at I, II, VI, VII.
33.	Bisections at b_4, b_6.
45.	Bisections at b_5, b_6.

Note.

33. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
16	+13 46.5	+15 42.7	...	+29 29.2
22	+ 6.1	+16 1.0	...	+16 7.1
23	+ 6.0	−16 0.9	...	−15 54.9
24	+ 6.9	.. ....	− 0.1	+ 6.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Orionis	9	2 13.16	− 0.20	**+11.42**	24 3 49.30	46.122	− 2.92	+ 26.1	6 2 24.26	.....	+14 46 53.8	....
2	η Geminorum	9	9 13.81	− 0.19	**+11.35**	16 17 49.35	48.640	− 2.92	+ 17.1	6 9 24.92	.....	+22 32 5.2	....
3	8 Monocerotis	9	18 47.28	− 0.20	**+11.28**	34 11 50.05	46.470	− 2.92	+ 39.6	6 18 58.38	.....	+ 4 38 31.6	....
4	ν Geminorum	9	23 24.26	− 0.19	**+11.27**	18 33 49.20	48.040	− 2.92	+ 19.6	6 23 35.37	.....	+20 16 16.5	....
5	ε Geminorum	9	38 10.69	− 0.19	**+11.28**	13 37 48.80	45.525	− 2.92	+ 14.2	6 38 21.80	.....	+25 13 19.8	....
6	51 H. Cephei	7	58 13.55	− 1.59	+11.30	311 39 46.02	49.127	− 2.92	−1 5.0	6 58 23.26	....	+87 11 19.5	....
7	λ Ursæ Minoris s. p.	5	11 22.36	+ 4.20	+11.31	307 53 46.20	44.050	− 2.92	−1 14.5	19 11 37.87	.....	+89 0 35.0	....
	October 6, L.												
8	Sun S.	.	.. ..	....	.....	44 9 49.12	45.555	− 2.46	+ 55.5	12 47	.....	− 5 19 23.3	....
9	Sun N.	.	.. ..	....	.....	43 37 47.75	45.503	− 2.46	+ 54.5	.. ..	.....	− 4 47 18.9	....
10	β Ophiuchi	9	38 48.40	− 0.25	[**+11.35**]	34 13 52.22	46.895	− 3.04	+ 38.2	17 38 59.49	.....	+ 4 36 21.3	....
11	ν Ophiuchi	9	53 51.02	− 0.27	[**+11.34**]	48 35 52.50	46.145	− 3.09	+1 3.7	17 54 2.09	.....	− 9 45 47.3	....
12	δ Ursæ Minoris	9	1 13.89	− 1.43	+11.35	312 15 48.82	44.227	− 3.12	−1 1.6	18 1 23.81	.....	+86 37 5.5	....
13	η Serpentis	9	16 26.11	− 0.26	[**+11.31**]	41 46 11.75	44.670	− 3.17	+ 50.3	18 16 37.20	.....	− 2 55 19.4	....
14	3 H. Scuti	9	30 5.52	− 0.26	[**+11.32**]	47 7 52.78	48.062	− 3.22	+1 0.8	18 30 16.61	.....	− 8 18 28.3	....
15	θ Serpentis	9	51 31.94	− 0.25	**+11.31**	34 45 51.78	44.665	− 3.29	+ 39.3	18 51 43.04	.....	+ 4 5 11.8	....
16	51 H. Cephei s. p.	7	58 10.59	+ 1.45	+11.35	306 3 49.22	46.055	− 3.31	−1 17.2	6 58 23.39	.....	+87 11 20.8	....
17	λ Ursæ Minoris	7	11 31.32	− 4.58	+11.35	309 51 50.02	45.897	− 3.36	−1 7.5	19 11 38.09	.....	+89 0 32.1	....
	October 6, M.												
18	ν Eridani	9	31 37.02	− 0.20	**+11.51**	42 21 49.68	47.365	− 3.02	+ 53.0	4 31 48.34	.....	− 3 32 1.7	....
19	τ Tauri	9	36 37.93	− 0.18	**+11.48**	16 3 49.32	46.015	− 3.02	+ 16.8	4 36 49.27	.....	+22 47 5.6	....
20	π⁵ Orionis	9	49 21.34	− 0.20	**+11.54**	36 31 51.62	48.350	− 3.02	+ 43.1	4 49 32.66	.....	+ 2 17 43.7	....
21	β Orionis	9	10 0.43	− 0.22	**+11.50**	47 7 51.78	47.160	− 3.02	+1 2.6	5 10 11.74	.....	− 8 18 8.7	....
22	γ Orionis	9	20 5.59	− 0.20	**+11.52**	32 33 50.32	47.315	− 3.02	+ 37.1	5 20 16.92	.....	+ 6 16 14.6	....
23	δ Orionis	9	27 11.95	− 0.21	**+11.52**	39 11 51.58	46.840	− 3.02	+ 47.4	5 27 23.27	.....	− 0 21 46.1	....
24	ι Orionis	8	30 49.34	− 0.22	**+11.53**	44 47 51.72	46.782	− 3.02	+ 57.7	5 31 0.65	.....	− 5 57 55.1	....
25	ζ Orionis	9	36 0.40	− 0.21	**+11.60**	40 49 51.65	45.235	− 3.02	+ 50.2	5 36 11.72	.....	− 1 59 12.1	....
26	κ Orionis	9	43 16.80	− 0.22	**+11.52**	48 31 52.20	46.220	− 3.02	+1 5.8	5 43 28.11	.....	− 9 41 50.9	....
27	α Orionis	9	50 5.18	− 0.21	**+11.55**	31 27 50.38	43.868	− 3.02	+ 35.6	5 50 16.50	.....	+ 7 23 34.9	....
28	δ Ursæ Minoris s. p.	9	1 10.22	+ 0.98	+11.53	305 29 44.02	45.790	− 3.02	−1 21.1	18 1 22.73	.....	+86 37 6.0	....
29	η Geminorum	9	9 13.63	− 0.20	**+11.57**	16 17 50.70	48.635	− 3.02	+ 17.1	6 9 24.96	.....	+22 32 4.0	....
30	8 Monocerotis	9	18 47.04	− 0.22	**+11.57**	34 11 51.82	46.420	− 3.02	+ 39.6	6 18 58.35	.....	+ 4 38 31.1	....
31	ν Geminorum	9	23 24.07	− 0.20	**+11.50**	18 33 51.65	47.970	− 3.02	+ 19.6	6 23 35.40	.....	+20 16 15.8	....
32	ε Geminorum	9	38 10.49	− 0.21	**+11.53**	13 37 50.82	45.472	− 3.02	+ 14.2	6 38 21.81	.....	+25 13 19.1	....
33	51 H. Cephei	9	58 14.33	− 1.39	+11.54	311 39 51.88	48.808	− 3.02	−1 4.9	6 58 24.48	.....	+87 11 20.9	....
34	Moon II, S.	9	4 47.18	− 0.23	+11.54	14 59 50.70	47.852	− 2.94	+ 15.6	8 4 58.49	−69.57	+23 50 23.4	....
	October 7, M.												
35	Sun I, N.	9	49 25.92	− 0.23	+11.57	43 59 53.75	47.948	− 2.30	+ 53.9	12 49 37.26	+64.56	− 5 10 21.2	....
36	Sun II, S.	9	51 35.04	− 0.23	+11.57	44 31 53.18	48.070	− 2.30	+ 54.9	12 51 46.38	−64.56	− 5 42 23.5	....
37	σ Ophiuchi	9	21 49.37	− 0.32	[**+11.68**]	34 37 50.20	44.875	− 3.09	+ 38.3	17 22 0.64	.....	+ 4 13 9.4	....
38	β Ophiuchi	9	38 48.08	− 0.32	[**+11.72**]	34 13 49.38	47.120	− 3.22	+ 37.8	17 38 59.35	.....	+ 4 36 19.5	....
39	ν Ophiuchi	9	53 50.75	− 0.33	[**+11.65**]	48 35 48.00	46.445	− 3.33	+1 2.9	17 54 2.01	.....	− 9 45 48.6	....
40	δ Ursæ Minoris	9	1 13.89	− 2.40	+11.59	312 15 44.65	44.330	− 3.38	−1 0.8	18 1 23.08	.....	+86 37 6.7	....
41	η Serpentis	9	16 25.84	− 0.33	[**+11.63**]	41 45 48.82	45.765	− 3.50	+ 49.7	18 16 37.10	.....	− 2 55 20.5	....
42	3 H. Scuti	9	30 5.26	− 0.33	[**+11.63**]	47 7 49.00	48.310	− 3.60	+1 0.1	18 30 16.52	.....	− 8 18 29.2	....
43	θ Serpentis	9	51 31.71	− 0.32	[**+11.59**]	34 45 49.08	44.870	− 3.64	+ 38.8	18 51 42.99	.....	+ 4 5 10.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 6 3	30.094	51.0	50.3
6 24	......	....	51.1
6 39	......	....	51.9
7 1	......	....	51.9
7 15	30.102	51.2	50.3
6 12 48	30.130	67.2	60.7
17 39	30.050	68.6	68.8
17 54	......	....	68.2
18 17	......	....	67.0
18 31	......	....	65.8
19 12	30.028	64.0	63.4
4 32	29.936	52.3	50.2
4 49	......	....	49.9
5 27	......	....	49.7
5 50	29.932	50.9	49.5
6 23	29.930	50.0	48.4
6 38	.. ....	....	48.7
6 58	29.930	50.4	49.8
8 4	29.940	51.8	50.8
7 12 52	29.950	69.0	69.9
17 22	29.910	72.8	72.8
17 54	......	....	71.9
18 16	......	....	70 3
18 30	29.900	70.0	....

Micrometer bisections are made at II, VI, except as noted below.

6, 12, 16, 17, 28, 33, 40.	Bisections at b_4, b_5, b_6.
7.	Bisections at b_4, b_5.
8, 35.	Bisections at I, II, III.
9, 36.	Bisections at V, VI, VII.
25.	Bisections at VI, VII.
34.	Bisections at II, III, IV, V, VI.

Note.

33. Very unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 6.1	+16 2.2	...	+16 8.3
9	+ 6.0	−16 2.1	...	−15 56.1
34	+14 20.2	+15 14.9	...	+29 35.1
35	+ 6.1	−16 1.1	...	−15 55.0
36	+ 6.2	+16 1.1	...	+16 7.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	51 H. Cephei s. P.	9	58 10.22	+ 2.54	+11.60	306 3 44.18	46.185	− 3.64	−1 16.4	6 58 24.36	.....	+87 11 19.2	....
2	λ Ursæ Minoris	7	11 31.82	− 7.79	+11.60	309 51 48.72	45.862	− 3.64	−1 6.8	19 11 35.63	.....	+89 0 33.8	....
	October 7, P.												
3	α Tauri	9	30 32.77	− 0.23	**+11.62**	22 31 48.85	43.925	− 3.16	+ 24.0	4 30 44.15	.....	+16 19 46.6	....
4	ν Eridani	9	31 37.00	− 0.24	**+11.60**	42 21 48.85	47.365	− 3.16	+ 52.6	4 31 48.37	.....	− 3 32 0.2	....
5	τ Tauri	9	36 37.83	− 0.23	**+11.66**	16 3 48.08	46.020	− 3.16	+ 16.7	4 36 49.21	.....	+22 47 7.0	....
6	π^5 Orionis	9	49 21.34	− 0.21	**+11.58**	36 31 49.60	48.425	− 3.16	+ 42.8	4 49 32.74	.....	+ 2 17 44.5	....
7	β Orionis	9	10 0.46	− 0.24	**+11.52**	47 7 50.40	47.202	− 3.16	+1 2.2	5 10 11.84	.....	− 8 18 7.8	....
8	γ Orionis	9	20 5.56	− 0.23	**+11.61**	32 33 47.25	47.418	− 3.16	+ 36.9	5 20 16.95	.....	+ 6 16 15.7	....
9	δ Orionis	9	27 11.88	− 0.23	**+11.64**	39 11 49.65	46.900	− 3.16	+ 47.2	5 27 23.27	.....	− 0 21 45.2	....
10	ι Orionis	9	30 49.27	− 0.24	**+11.65**	44 47 50.50	46.825	− 3.16	+ 57.4	5 31 0.65	.....	− 5 57 54.5	....
11	ζ Orionis	9	36 0.45	− 0.24	**+11.61**	40 49 48.62	45.328	− 3.16	+ 50.0	5 36 11.83	.....	− 1 59 11.0	....
12	κ Orionis	9	43 16.76	− 0.24	**+11.61**	48 31 49.98	46.345	− 3.16	+1 5.4	5 43 28.14	.....	− 9 41 51.0	....
13	α Orionis	9	50 5.11	− 0.23	**+11.67**	31 27 48.70	43.910	− 3.16	+ 35.4	5 50 16.50	.....	+ 7 23 35.9	....
14	δ Ursæ Minoris s. P.	9	1 10.22	+ 1.48	+11.62	305 29 44.82	45.715	− 3.16	−1 20.6	18 1 23.32	.....	+86 37 5.4	....
15	8 Monocerotis	9	18 47.03	− 0.23	**+11.62**	34 11 49.88	46.498	− 3.16	+ 39.3	6 18 58.42	.....	+ 4 38 31.7	....
16	ν Geminorum	9	23 24.03	− 0.22	**+11.59**	18 33 48.65	48.060	− 3.16	+ 19.5	6 23 35.43	.....	+20 16 17.0	....
17	γ Geminorum	9	32 17.63	− 0.23	**+11.64**	22 21 48.10	46.735	− 3.16	+ 23.8	6 32 29.03	.....	+16 28 43.5	....
18	ε Geminorum	9	38 10.41	− 0.23	**+11.66**	13 37 47.88	45.565	− 3.16	+ 14.0	6 38 21.81	.....	+25 13 20.2	....
19	51 H. Cephei	9	58 14.56	− 1.99	+11.63	311 39 45.48	49.125	− 3.16	−1 4.6	6 58 24.20	.....	+87 11 19.9	....
20	λ Ursæ Minoris s. P.	5	11 19.48	+ 5.29	+11.63	307 53 46.68	43.960	− 3.16	−1 14.0	19 11 36.40	.....	+89 0 33.6	....
21	Moon II, S.	9	59 36.61	− 0.25	+11.64	17 31 48.80	48.632	− 2.12	+ 18.2	8 59 48.00	−67.34	+21 18 4.1	....
	October 8, P.												
22	Sun I, N.	9	53 5.41	− 0.32	+11.67	44 23 52.95	45.168	− 1.97	+ 54.4	12 53 13.76	+64.71	− 5 33 17.7	....
23	Sun II, S.	9	55 14.83	− 0.32	+11.67	44 55 50.88	45.447	− 1.97	+ 55.4	12 55 26.18	−64.71	− 6 5 22.1	....
24	Venus I, C.	9	32 5.07	− 0.38	+11.68	59 35 48.40	47.232	− 2.47	+1 33.9	15 32 16.37	+ 0.57	−20 46 38.8	....
25	σ Ophiuchi	9	21 49.33	− 0.40	**[+11.78]**	34 37 48.60	44.882	− 2.93	+ 38.2	17 22 0.62	.....	+ 4 13 10.8	....
26	β Ophiuchi	9	38 48.06	− 0.40	**[+11.80]**	34 13 48.90	47.068	− 3.01	+ 37.7	17 38 59.36	.....	+ 4 36 21.1	....
27	ν Ophiuchi	9	53 50.64	− 0.42	**[+11.83]**	48 35 48.82	46.358	− 3.10	+1 2.9	17 54 1.92	.....	− 9 45 47.7	....
28	δ Ursæ Minoris	9	1 13.44	− 3.39	+11.70	312 15 42.50	44.412	− 3.13	−1 0.8	18 1 21.75	.....	+86 37 6.8	....
29	η Serpentis	9	16 25.74	− 0.42	**[+11.80]**	41 45 48.05	45.760	− 3.21	+ 49.7	18 16 37.02	.....	− 2 55 20.0	....
30	3 H. Scuti	9	30 5.17	− 0.42	**[+11.79]**	47 7 48.68	48.290	− 3.28	+1 0.0	18 30 16.45	.....	− 8 18 28.6	....
31	θ Serpentis	9	51 31.58	− 0.42	**[+11.80]**	34 45 48.80	44.832	− 3.31	+ 38.7	18 51 42.86	.....	+ 4 5 11.6	....
32	51 H. Cephei s. P.	9	58 10.33	+ 3.62	+11.70	306 3 44.85	46.143	− 3.31	−1 16.2	6 58 25.65	.....	+87 11 19.4	....
33	λ Ursæ Minoris	9	11 32.56	−11.09	+11.71	309 51 46.15	45.978	− 3.31	−1 6.6	19 11 33.18	.....	+89 0 33.2	....
	October 8, L.												
34	ν Eridani	9	31 36.97	− 0.28	**+11.69**	42 21 48.28	47.418	− 2.90	+ 52.3	4 31 48.40	.....	− 3 32 1.0	....
35	τ Tauri	9	36 37.84	− 0.27	**+11.72**	16 3 52.42	45.820	− 2.90	+ 16.6	4 36 49.28	.....	+22 47 7.0	....
36	π^5 Orionis	9	49 21.27	− 0.28	**+11.74**	36 31 52.85	48.260	− 2.90	+ 42.5	4 49 32.70	.....	+ 2 17 45.0	....
37	β Orionis	9	10 0.33	− 0.29	**+11.72**	47 7 53.35	47.060	− 2.90	+1 1.8	5 10 11.76	.....	− 8 18 7.4	....
38	γ Orionis	9	20 5.52	− 0.27	**+11.72**	32 33 51.55	47.225	− 2.90	+ 36.7	5 20 16.97	.....	+ 6 16 15.7	....
39	δ Orionis	9	27 11.88	− 0.28	**+11.72**	39 11 54.45	46.692	− 2.90	+ 46.8	5 27 23.32	.....	− 0 21 45.1	....
40	α Leporis	9	28 33.38	− 0.31	**+11.66**	56 41 51.18	48.165	− 2.90	+1 27.3	5 28 44.79	.....	−17 52 55.9	....
41	ι Orionis	9	30 49.31	− 0.29	**+11.69**	44 47 52.52	46.748	− 2.90	+ 57.0	5 31 0.74	.....	− 5 57 54.6	....
42	ζ Orionis	9	36 0.45	− 0.28	**+11.68**	40 49 51.65	45.212	− 2.90	+ 49.6	5 36 11.89	.....	− 1 59 11.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 19 12	29.900	67.4	66.7
4 27	29.900	54.1	52.7
4 46	......	....	52.2
5 9	......	....	52.1
5 34	29.910	53.5	51.8
5 53	......	....	52.0
6 10	......	....	52.0
6 28	29.926	53.2	52.5
6 41	......	....	53.0
7 6	......	....	52.0
7 18	29.936	53.0	51.8
9 0	29.971	56.2	56.2
8 12 55	30.016	71.2	73.0
15 34	29.982	75.0	76.1
17 20	29.984	74.3	75.3
17 41	......	....	74.1
17 57	......	....	73.1
18 21	29.982	71.1	71.9
18 32	......	....	71.3
18 50	......	....	70.8
19 17	29.994	69.6	69.6
4 33	30.026	58.9	58.0
4 50	......	....	58.0
5 11	......	....	57.4
5 37	......	....	57.6

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 14, 19, 20, 28, 32, 33.	Bisections at b_4, b_5, b_6.
3.	Bisections at I, II.
4.	Bisections at VI, VII.
21.	Bisections at II, III, IV, V, VI.
22.	Bisections at I, II, III.
23.	Bisections at V, VI, VII.
24.	Bisections at I, II, VI, VII.

Notes.

14. Unsteady.

20. Faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
21	+16 30.9	+15 4.2	...	+31 35.1
22	+ 6.1	−16 2.2	...	−15 56.1
23	+ 6.2	+16 2.1	...	+16 8.3
24	+ 7.1	......	− 0.1	+ 7.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Orionis	9	43 16.74	− 0.29	**+11.71**	48 31 52.98	46.202	− 2.90	+1 4.9	5 43 28.17	.....	− 9 41 50.5	....
2	α Orionis	9	50 5.11	− 0.27	**+11.74**	31 27 51.78	43.765	− 2.90	+ 35.1	5 50 16.56	.....	+ 7 23 36.2	....
3	δ Ursæ Minoris s. p.	9	1 9.06	+ 1.42	+11.72	305 29 47.18	45.613	− 2.90	−1 20.1	18 1 22.20	.....	+86 37 6.2	....
4	8 Monocerotis	9	18 46.98	− 0.28	**+11.75**	34 11 52.38	46.392	− 2.90	+ 39.1	6 18 58.42	.....	+ 4 38 31.6	....
5	ν Geminorum	9	23 23.95	− 0.27	**+11.75**	18 33 52.58	47.880	− 2.90	+ 19.4	6 23 35.40	.....	+20 16 17.0	....
6	γ Geminorum	9	32 17.58	− 0.27	**+11.76**	22 22	......	....	.....	6 32 29.04	.....	+16 29	....
7	ε Geminorum	9	38 10.41	− 0.27	**+11.74**	13 37 52.35	45.362	− 2.90	+ 14.0	6 38 21.87	.....	+25 13 20.2	....
8	α Canis Majoris	9	40 58.12	− 0.30	+11.73	55 25 52.30	43.768	− 2.90	+1 23.4	6 41 9.55	.....	−16 35 12.6	....
9	51 H. Cephei	7	58 15.34	− 1.98	+11.73	311 39 48.70	48.997	− 2.90	−1 4.4	6 58 25.09	.....	+87 11 19.1	....
10	λ Ursæ Minoris s. p.	8	11 16.05	+ 5.14	+11.73	307 53 50.20	43.865	− 2.90	−1 13.8	19 11 32.92	.....	+89 0 35.3	....
11	Moon II	9	51 3.14	− 0.28	+11.77	20 52	......	....	.....	9 51 14.63	−65.10	.. ..	....
	October 9, L.												
12	Sun I, N	9	56 45.28	− 0.29	+11.79	44 45 51.82	47.502	− 2.17	+ 55.4	12 56 56.78	+64.72	− 5 56 10.7	....
13	Sun II, S	9	58 54.72	− 0.29	+11.79	45 17 52.72	47.693	− 2.17	+ 56.5	12 59 6.22	−64.72	− 6 28 16.2	....
14	Venus I, C	9	36 54.47	− 0.34	+11.81	59 55 52.78	46.540	− 2.46	+1 35.7	15 37 5.94	+ 0.57	−21 6 29.2	....
15	σ Ophiuchi	9	21 49.11	− 0.32	**[+11.91]**	34 37 51.55	44.730	− 2.77	+ 38.5	17 22 0.59	.....	+ 4 13 10.8	....
16	β Ophiuchi	9	38 47.87	− 0.32	**[+11.90]**	34 13 51.10	46.970	− 2.83	+ 38.0	17 38 59.35	.....	+ 4 36 20.7	....
17	ν Ophiuchi	9	53 50.55	− 0.33	**[+11.82]**	48 35 51.58	46.185	− 2.88	+1 3.3	17 54 2.02	.....	− 9 45 47.1	....
18	δ Ursæ Minoris	9	1 13.00	− 2.62	+11.81	312 15 48.02	44.230	− 2.91	−1 1.2	18 1 22.19	.....	+86 37 5.6	....
19	η Serpentis	9	16 25.66	− 0.33	**[+11.78**	41 45 51.08	45.575	− 2.96	+ 50.0	18 16 37.14	.....	− 2 55 19.3	....
20	3 H. Scuti	9	30 5.08	− 0.33	**[+11.78]**	47 7 52.50	48.055	− 3.01	+1 0.4	18 30 16.56	.....	− 8 18 27.7	....
21	θ Serpentis	9	51 31.45	− 0.32	**[+11.82]**	34 45 51.48	44.685	− 3.07	+ 39.0	18 51 42.94	.....	+ 4 5 11.7	....
22	51 H. Cephei s. p.	9	58 10.73	+ 2.80	+11.81	306 3 49.40	45.998	− 3.07	−1 16.7	6 58 25.34	.....	+87 11 20.4	....
23	λ Ursæ Minoris	7	11 29.18	− 8.54	+11.81	309 51 49.52	45.860	− 3.07	−1 7.0	19 11 32.45	.....	+89 0 32.7	....
	October 11, P.												
24	ν Eridani	9	31 36.44	− 0.26	**+12.28**	42 21 50.40	47.348	− 2.74	+ 51.9	4 31 48.50	.....	− 3 32 1.2	....
25	π³ Orionis	9	44 44.19	− 0.25	**+12.26**	32 1 50.15	46.978	− 2.74	+ 35.6	4 44 56.26	.....	+ 6 48 23.7	....
26	π⁵ Orionis	9	49 20.77	− 0.26	**+12.30**	36 31 52.08	48.288	− 2.74	+ 42.2	4 49 32.83	.....	+ 2 17 45.3	....
27	β Orionis	9	9 59.83	− 0.27	**+12.29**	47 7 50.85	47.162	− 2.74	+1 1.3	5 10 11.88	.....	− 8 18 6.8	....
28	γ Orionis	9	20 5.02	− 0.25	**+12.28**	32 33 48.15	47.332	− 2.74	+ 36.4	5 20 17.09	.....	+ 6 16 16.8	....
29	δ Orionis	9	27 11.34	− 0.26	**+12.32**	39 11 51.28	46.800	− 2.74	+ 46.5	5 27 23.40	.....	− 0 21 44.2	....
30	ι Orionis	9	30 48.74	− 0.27	**+12.32**	44 47 50.90	46.798	− 2.74	+ 56.6	5 31 0.79	.....	− 5 57 53.9	....
31	ζ Orionis	9	35 59.86	− 0.26	**+12.33**	40 49 50.62	45.238	− 2.74	+ 49.3	5 36 11.92	.....	− 1 59 10.7	....
32	κ Orionis	9	43 16.20	− 0.28	**+12.32**	48 31 49.90	46.322	− 2.74	+1 4.6	5 43 28.24	.....	− 9 41 50.0	....
33	α Orionis	9	50 4.59	− 0.25	**+12.33**	31 27 50.05	43.822	− 2.74	+ 35.0	5 50 16.66	.....	+ 7 23 36.5	....
34	δ Ursæ Minoris s. p.	9	1 7.56	+ 0.92	+12.33	305 29 47.40	45.573	− 2.74	−1 19.6	18 1 20.81	.....	+86 37 6.2	....
35	8 Monocerotis	9	18 46.44	− 0.25	**+12.35**	34 11 51.30	46.418	− 2.74	+ 38.8	6 18 58.52	.....	+ 4 38 32.2	....
36	ν Geminorum	9	23 23.39	− 0.24	**+12.38**	18 33 50.52	47.955	− 2.74	+ 19.2	6 23 35.48	.....	+20 16 17.4	....
37	γ Geminorum	9	32 17.02	− 0.24	**+12.38**	22 21 51.12	46.542	− 2.74	+ 23.6	6 32 29.11	.....	+16 28 44.7	....
38	ε Geminorum	9	38 9.84	− 0.24	**+12.38**	13 37 50.35	45.408	− 2.74	+ 13.9	6 38 21.93	.....	+25 13 21.0	....
39	α Canis Majoris	9	40 57.52	− 0.29	+12.33	55 25 50.80	43.872	− 2.74	+1 22.7	6 41 9.56	.....	−16 35 13.0	....
40	51 H. Cephei	9	58 15.28	− 1.36	+12.33	311 39 45.22	49.082	− 2.74	−1 3.9	6 58 26.25	.....	+87 11 20.0	....
41	λ Ursæ Minoris s. p.	9	11 13.78	+ 3.41	+12.33	307 53 46.95	43.928	− 2.74	−1 13.2	19 11 29.52	.....	+89 0 34.4	....
	October 12, P.												
42	Sun I, S	9	7 47.26	− 0.26	+12.40	46 25 52.95	48.002	− 2.42	+ 58.7	13 7 59.40	+65.02	− 7 36 26.3	....
43	Sun II, N	9	9 57.31	− 0.26	+12.40	45 53 51.90	47.890	− 2.42	+ 57.6	13 10 9.45	−65.03	− 7 4 20.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 6 4	30.040	58.0	57.0
6 24	......	....	56.3
6 42	......	....	55.9
7 12	30.058	55.6	55.0
9 12 59	30.112	71.8	72.2
15 37	30.080	74.0	74.8
17 23	30.072	73.0	72.7
17 39	......	....	72.1
17 55	......	....	71.6
18 17	30.070	71.0	70.6
18 31	......	....	70.0
18 52	......	....	68.7
19 12	30.064	68.0	67.8
11 4 29	29.444	55.9	52.5
4 43	......	....	52.0
4 53	......	....	52.0
5 8	......	....	52.0
5 24	29.442	53.9	51.5
5 54	......	....	49.8
6 17	......	....	50.1
6 30	29.452	52.0	50.0
6 50	......	....	50.0
7 16	29.457	51.1	49.0
12 13 10	29.504	63.2	62.2

Micrometer bisections are made at II, VI, except as noted below.

3, 9, 18, 22, 23, 34, 40, 41. Bisections at b_4, b_5, b_6.
8, 16. Bisections at II, VI, VII.
10. Bisections at b_4, b_6.
12, 42. Bisections at I, II, III.
13, 43. Bisections at V, VI, VII.
14. Bisections at I, II, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 6.2	−16 2.7	...	−15 56.5
13	+ 6.2	+16 2.8	...	+16 9.0
14	+ 7.2	.. ....	− 0.1	+ 7.1
42	+ 6.4	+16 2.7	...	+16 9.1
43	+ 6.3	−16 2.8	...	−15 56.5

Notes.

10. Faint; haze.
32. Degrees and minutes of circle reading assumed.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Venus I, C.	9	51 28.42	− 0.28	+12.41	60 51 53.30	47.490	− 2.71	+1 40.6	15 51 40.55	+ 0.59	−22 2 56.0	....
2	σ Ophiuchi.	9	21 48.43	− 0.22	[+**12.44**]	34 37 51.80	44.748	− 2.88	+ 39.0	17 22 0.65	.....	+ 4 13 9.8	....
3	β Ophiuchi.	9	38 47.16	− 0.22	[+**12.46**]	34 13 51.40	46.938	− 2.94	+ 38.5	17 38 59.38	.....	+ 4 36 20.7	....
4	ν Ophiuchi.	9	53 49.81	− 0.24	[+**12.42**]	48 35 52.40	46.160	− 2.99	+1 4.2	17 54 2.02	.....	− 9 45 48.1	....
5	δ Ursæ Minoris.	9	1 9.61	− 0.89	+12.45	312 15 48.60	44.260	− 3.02	−1 2.0	18 1 21.17	.....	+86 37 5.2	....
6	η Serpentis.	9	16 24.93	− 0.23	[+**12.36**]	41 45 51.95	45.545	− 3.07	+ 50.6	18 16 37.15	.....	− 2 55 20.0	....
7	3 H. Scuti.	9	30 4.33	− 0.24	[+**12.39**]	47 7 53.82	47.965	− 3.12	+1 1.2	18 30 16.54	.....	− 8 18 27.7	....
8	θ Serpentis.	9	51 30.72	− 0.22	[+**12.39**]	34 45 52.60	44.638	− 3.20	+ 39.5	18 51 42.95	.....	+ 4 5 11.3	....
9	51 H. Cephei S. P.	9	58 13.61	+ 0.83	+12.45	306 3 49.08	46.050	− 3.23	−1 17.7	6 58 26.89	.....	+87 11 20.1	....
10	λ Ursæ Minoris.	9	11 19.61	− 2.77	+12.45	309 51 49.45	45.905	− 3.27	−1 8.0	19 11 29.29	.....	+89 0 32.9	....
11	4 B. Ursæ Minoris S. P.	9	7 46.39	+ 2.29	+12.46	307 47 50.45	42.637	− 3.33	−1 13.6	8 8 1.14	.....	+88 54 7.4	....
	October 12, L.												
12	ν Eridani.	9	31 36.17	− 0.12	+**12.43**	42 21 52.05	47.175	− 2.80	+ 53.5	4 31 48.51	.....	− 3 32 0.6	....
13	53 Eridani.	9	33 50.63	− 0.12	+**12.32**	53 17 52.32	47.550	− 2.79	+1 18.7	4 34 2.97	.....	−14 28 34.7	....
14	τ Tauri.	9	36 37.03	− 0.11	+**12.47**	16 3 51.98	45.782	− 2.78	+ 17.0	4 36 49.38	.....	+22 47 7.8	....
15	π^5 Orionis.	9	49 20.51	− 0.11	+**12.44**	36 31 54.55	48.140	− 2.75	+ 43.6	4 49 32.87	.....	+ 2 17 44.8	....
16	γ Orionis.	9	20 4.68	− 0.11	+**12.51**	32 33 51.78	47.125	− 2.66	+ 37.7	5 20 17.04	.....	+ 6 16 16.6	....
17	δ Orionis.	9	27 11.08	− 0.11	+**12.45**	39 11 55.18	46.558	− 2.64	+ 48.1	5 27 23.44	.....	− 0 21 44.3	....
18	α Leporis.	9	28 32.49	− 0.13	+**12.48**	56 41 51.65	47.992	− 2.64	+1 29.7	5 28 44.83	.....	−17 52 54.9	....
19	ι Orionis.	9	30 48.50	− 0.12	+**12.44**	44 47 54.48	46.585	− 2.63	+ 58.6	5 31 0.85	.....	− 5 57 54.7	....
20	ζ Orionis.	9	35 59.59	− 0.11	+**12.48**	40 49 52.50	45.100	− 2.62	+ 51.0	5 36 11.95	.....	− 1 59 11.2	....
21	κ Orionis.	9	43 15.87	− 0.12	+**12.52**	48 31 53.45	46.062	− 2.60	+1 6.8	5 43 28.22	.....	− 9 41 49.9	....
22	α Orionis.	9	50 4.35	− 0.11	+**12.46**	31 27 52.72	43.678	− 2.58	+ 36.1	5 50 16.71	.....	+ 7 23 35.9	....
23	δ Ursæ Minoris S. P.	7	1 7.71	+ 1.62	+12.47	305 29 51.58	45.485	− 2.55	−1 22.3	18 1 21.80	.....	+86 37 5.8	....
24	8 Monocerotis.	9	18 46.12	− 0.11	+**12.56**	34 11 53.20	46.270	− 2.50	+ 40.2	6 18 58.49	.....	+ 4 38 32.0	....
25	ν Geminorum.	9	23 23.12	− 0.11	+**12.55**	18 33 52.80	47.818	− 2.48	+ 19.9	6 23 35.49	.....	+20 16 17.3	....
26	α Canis Majoris.	9	40 57.29	− 0.13	+12.48	55 25 54.15	43.530	− 2.43	+1 25.7	6 41 9.64	.....	−16 35 11.8	....
27	51 H. Cephei.	9	58 15.89	− 1.93	+12.48	311 39 50.18	48.992	− 2.39	−1 6.2	6 58 26.44	.....	+87 11 19.1	....
28	λ Ursæ Minoris S. P.	7	11 10.54	+ 5.51	+12.48	307 53 48.75	44.003	− 2.35	−1 15.8	19 11 28.53	.....	+89 0 35.7	....
29	ε Draconis S. P.	7	48 16.35	+ 0.29	+12.49	288 57 53.35	42.522	− 2.28	−2 50.2	19 48 29.13	.....	+70 2 32.2	....
	October 13, L.												
30	Sun I, S.	9	11 28.73	0.00	+12.54	46 49 54.05	44.013	− 2.19	+1 1.7	13 11 41.27	+65.07	− 7 58 59.4	....
31	Sun II, N.	9	13 38.87	0.00	+12.54	46 17 54.95	43.730	− 2.19	+1 0.5	13 13 51.41	−65.07	− 7 26 51.9	....
32	σ Ophiuchi.	9	21 48.08	− 0.06	[+**12.62**]	34 37 54.50	44.552	− 2.84	+ 39.6	17 22 0.58	.....	+ 4 13 10.9	....
33	β Ophiuchi.	9	38 46.83	− 0.06	[+**12.62**]	34 13 55.02	46.739	− 2.84	+ 39.1	17 38 59.33	.....	+ 4 36 20.9	....
34	ν Ophiuchi.	9	53 49.46	− 0.06	[+**12.57**]	48 35 55.70	45.911	− 2.84	+1 5.2	17 54 1.96	.....	− 9 45 46.9	....
35	δ Ursæ Minoris.	9	1 10.28	− 2.23	+12.56	312 15 51.50	44.195	− 2.84	−1 3.0	18 1 20.61	.....	+86 37 4.6	....
36	η Serpentis.	9	16 24.57	− 0.06	[+**12.53**]	41 45 55.08	45.344	− 2.84	+ 51.4	18 16 37.07	.....	− 2 55 19.5	....
37	3 H. Scuti.	9	30 3.99	− 0.06	[+**12.53**]	47 7 55.85	47.824	− 2.84	+1 2.1	18 30 16.49	.....	− 8 18 27.7	....
38	θ Serpentis.	9	51 30.41	− 0.06	[+**12.53**]	34 45 55.25	44.478	− 2.84	+ 40.2	18 51 42.92	.....	+ 4 5 11.3	....
39	51 H. Cephei S. P.	9	58 13.22	+ 2.78	+12.57	306 3 52.82	45.952	− 2.84	−1 19.0	6 58 28.57	.....	+87 11 20.7	....
40	λ Ursæ Minoris.	7	11 19.32	− 7.70	+12.57	309 51 53.30	45.808	− 2.84	−1 9.1	19 11 24.19	.....	+89 0 31.9	....
41	ε Draconis.	.	....	.....	.....	328 49 52.35	44.430	− 2.84	− 35.1	19 48	.....	+70 2 30.3	....
42	4 B. Ursæ Minoris S. P.	9	7 42.56	+ 7.04	+12.58	307 45 51.10	47.913	− 2.84	−1 14.7	8 8 2.18	.....	+88 54 8.0	....
	October 15, P.												
43	Sun I, N.	9	18 53.85	− 0.16	+12.95	47 1 55.05	45.638	− 2.43	+1 0.9	13 19 6.64	+65.27	− 8 11 36.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
12 15 52	29.526	61.5	59.4
17 20	29.540	59.6	57.3
17 41	......	....	56.5
17 57	......	....	56.0
18 22	29.552	57.5	55.1
18 50	......	....	54.0
19 16	29.577	55.0	52.5
20 12	29.604	53.0	50.5
4 37	29.706	43.7	41.0
5 21	......	....	39.6
5 44	29.726	41.2	39.0
6 24	......	....	38.0
6 42	......	....	37.7
7 12	29.734	38.8	37.0
7 49	29.736	38.8	37.0
13 13 14	29.736	50.0	48.0
17 23	29.690	53.1	51.8
17 40	......	....	51.3
18 4	29.694	51.9	50.8
18 31	......	....	49.9
18 52	......	....	48.1
19 12	29.708	48.1	46.7
19 50	......	....	45.0
20 8	29.716	46.3	44.9

Micrometer bisections are made at II, VI, except as noted below.	
1, 33, 34, 36, 37.	Bisections at I, II, VI, VII.
5, 9–11, 23, 27, 28, 35, 39, 40, 42.	Bisections at b_4, b_5, b_6.
12, 13.	Bisections at I, II.
18.	Bisections at VI, VII.
29.	Bisections at II, III, IV.
30, 43.	Bisections at I, II, III.
31.	Bisections at V, VI, VII.
41.	Bisections at II, III, V, VI.

Notes.

29. Woolly.
29. Circle reading increased 2′.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.4	.. ....	− 0.1	+ 7.3
30	+ 6.4	+16 3.8	...	+16 10.2
31	+ 6.4	−16 3.7	...	−15 57.3
43	+ 6.4	−16 4.1	...	−15 57.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, S.	9	21 4.39	− 0.16	+12.95	47 33 55.52	45.967	− 2.43	+1 2.0	13 21 17.18	−65.27	− 8 43 44.8	....
2	Venus I, C.	9	6 10.49	− 0.19	+12.97	61 43 54.20	45.812	− 2.68	+1 44.7	16 6 23.27	+ 0.61	−22 54 22.7	....
3	σ Ophiuchi	9	21 47.78	− 0.18	[**+13.01**]	34 37 54.30	44.625	− 2.83	+ 39.1	17 22	.....	+ 4 13 9.9	....
4	β Ophiuchi	9	38 46.53	− 0.17	[**+13.00**]	34 13 53.92	46.842	− 2.92	+ 38.6	17 38	.....	+ 4 36 20.2	....
5	ν Ophiuchi	9	53 49.13	− 0.18	[**+12.99**]	48 35 55.30	46.020	− 2.99	+1 4.3	17 54	.....	− 9 45 47.9	....
6	δ Ursæ Minoris	9	1 8.22	− 1.53	.....	312 15 51.10	44.130	− 3.03	−1 2.1	18 1	.....	+86 37 5.8	....
7	η Serpentis	9	16 24.24	− 0.18	[**+12.95**]	41 45 54.40	45.446	− 3.10	+ 50.7	18 16	.....	− 2 55 20.2	....
8	3 H. Scuti	9	30 3.67	− 0.18	[**+12.94**]	47 7 54.45	47.988	− 3.17	+1 1.2	18 30	.....	− 8 18 28.7	....
9	θ Serpentis	9	51 30.02	− 0.18	[**+13.00**]	34 45 55.60	44.515	− 3.28	+ 39.5	18 51	.....	+ 4 5 11.2	....
10	51 H. Cephei s. P.	9	58 13.44	+ 1.72	.....	306 3 48.98	46.043	− 3.31	−1 17.7	6 58	.....	+87 11 19.8	....
	October 18, M.												
11	Sun I, N.	9	30 5.38	− 0.14	+13.54	48 7 56.50	46.057	− 2.11	+1 4.3	13 30 18.78	+65.38	− 9 17 51.3	....
12	Sun II, S.	9	32 16.14	− 0.14	+13.54	48 39 57.78	46.242	− 2.11	+1 5.5	13 32 29.54	−65.38	− 9 49 57.2	....
	October 18, P.												
13	Mercury C, C.	9	46 33.36	− 0.12	+13.68	43 11 53.95	45.925	− 2.51	+ 55.4	12 46 46.92	− 0.16	− 4 21 63·0	....
	October 19, P.												
14	Sun I, S.	9	33 50.52	− 0.12	+13.68	49 1 54.50	45.822	− 2.35	+1 7.6	13 34 4.08	+65.56	−10 11 47.0	....
15	Sun II, N.	9	36 1.65	− 0.12	+13.68	48 29 55.32	45.428	− 2.35	+1 6.4	13 36 15.21	−65.57	− 9 39 36.8	....
16	Venus I, C.	9	25 58.35	− 0.17	+13.70	62 43 55.20	46.605	− 2.99	+1 52.6	16 26 11.88	+ 0.63	−23 54 49.4	....
17	σ Ophiuchi	9	21 46.96	− 0.16	[**+13.75**]	34 37 56.98	44.490	− 3.16	+ 40.2	17 22 0.55	.....	+ 4 13 9.6	....
18	β Ophiuchi	9	38 45.66	− 0.16	[**+13.80**]	34 13 53.92	46.818	− 3.16	+ 39.6	17 38 59.25	.....	+ 4 36 20.0	....
19	Moon I, N.	9	45 49.78	− 0.19	+13.71	64 31 55.85	43.142	− 3.16	+2 1.8	17 46 3.30	+69.92	−25 41 40.0	....
20	ν Ophiuchi	9	53 48.28	− 0.17	[**+13.77**]	48 35 55.10	45.952	− 3.16	+1 6.1	17 54 1.86	.....	− 9 45 47.8	....
21	δ Ursæ Minoris	9	1 5.83	− 1.70	+13.75	312 15 49.30	44.317	− 3.16	−1 3.8	18 1 17.88	.....	+86 37 5.2	....
22	μ Sagittarii	9	8 6.79	− 0.19	+13.75	59 53 53.20	47.842	− 3.16	+1 40.4	18 8 20.35	.....	−21 5 3.4	....
23	δ Sagittarii	9	14 57.74	− 0.20	+13.75	68 41 54.68	43.278	− 3.16	+2 28.6	18 15 11.29	.....	−29 52 8.7	....
24	η Serpentis	9	16 23.44	− 0.17	[**+13.68**]	41 45 54.50	45.380	− 3.16	+ 52.1	18 16 37.02	.....	− 2 55 20.2	....
25	λ Sagittarii	9	22 8.93	− 0.20	+13.75	64 17 56.42	45.140	− 3.16	+2 0.8	18 22 22.48	.....	−25 28 25.2	....
26	3 H. Scuti	9	30 2.84	− 0.18	[**+13.71**]	47 7 55.95	47.848	− 3.16	+1 2.9	18 30 16.41	.....	− 8 18 28.8	....
27	φ Sagittarii	9	39 46.10	− 0.20	+13.76	65 53 53.05	46.842	− 3.16	+2 10.1	18 39 59.66	.....	−27 5 10.1	....
28	σ Sagittarii	9	49 25.22	− 0.20	+13.76	65 13 54.95	45.642	− 3.16	+2 6.4	18 49 38.78	.....	−26 24 40.8	....
29	θ Serpentis	9	51 29.24	− 0.18	[**+13.72**]	34 45 54.90	44.425	− 3.16	+ 40.6	18 51 42.82	.....	+ 4 5 12.7	....
30	51 H. Cephei s. P.	9	58 15.11	+ 1.94	+13.76	306 3 52.32	46.010	− 3.16	−1 20.0	6 58 30.81	.....	+87 11 20.2	....
31	λ Ursæ Minoris	9	11 10.22	− 5.73	+13.76	309 51 53.35	45.820	− 3.16	−1 9.9	19 11 18.25	.....	+89 0 32.7	....
32	4 B. Ursæ Minoris s. P.	9	7 50.17	+5.05	+13.76	307 45 53.20	47.852	− 3.16	−1 15.6	8 8 8.98	.....	+88 54 7.5	....
	October 19, M.												
33	ν Eridani	9	31 34.91	− 0.07	**+13.81**	42 21 53.08	47.120	− 2.66	+ 54.9	4 31 48.71	.....	− 3 32 2.0	....
34	53 Eridani	9	33 49.31	− 0.08	**+13.77**	53 17 53.65	47.472	− 2.66	+1 20.7	4 34 3.10	.....	−14 28 36.2	....
35	γ Orionis	9	20 3.48	− 0.07	**+13.86**	32 33 52.68	47.155	− 2.66	+ 38.5	5 20 17.28	.....	+ 6 16 14.2	....
36	δ Orionis	9	27 9.81	− 0.07	**+13.87**	39 11 53.85	46.690	− 2.66	+ 49.1	5 27 23.61	.....	− 0 21 47.0	....
37	ε Orionis	9	31 24.06	− 0.07	**+13.90**	40 5 54.62	45.592	− 2.66	+ 50.7	5 31 37.86	.....	− 1 15 24.2	....
38	ζ Orionis	9	35 58.36	− 0.07	**+13.86**	40 49 51.25	45.192	− 2.66	+ 52.0	5 36 12.16	.....	− 1 59 13.0	....
39	κ Orionis	9	43 14.66	− 0.08	**+13.88**	48 31 53.50	46.105	− 2.66	+1 8.1	5 43 28.45	.....	− 9 41 52.2	....
40	α Orionis	9	50 3.04	− 0.07	**+13.92**	31 27 53.52	43.720	− 2.66	+ 36.8	5 50 16.84	.....	+ 7 23 33.7	....
41	δ Ursæ Minoris s. P.	9	1 2.50	+ 1.26	+13.88	305 29 51.20	45.497	− 2.66	−1 23.9	18 1 17.64	.....	+86 37 4.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 13 21	29.494	54.2	54.2
16 7	29.479	58.0	56.6
17 20	29.490	56.5	55.7
17 41	......	....	55.0
17 57	......	....	54.5
18 20	29.500	55.0	54.0
18 40	......	....	53.1
19 3	29.513	53.2	52.8
18 13 32	29.994	55.0	55.0
12 48	30.286	49.3	48.3
19 13 36	30.280	50.6	50.0
16 27	30.242	54.0	54.0
17 20	30.245	54.0	53.9
17 42	......	....	53.8
17 57	......	....	53.5
18 20	30.246	53.5	53.0
18 42	......	....	52.0
19 3	......	....	50.3
19 16	30.248	51.0	49.6
20 12	30.252	49.3	48.1
4 32	30.260	39.8	37.8
5 20	......	....	37.6
5 40	30.252	39.7	37.8
6 1	......	....	37.9

Micrometer bisections are made at II, VI, except as noted below.

1, 12, 15.	Bisections at V, VI, VII.
2, 7, 13, 16.	Bisections at I, II, VI, VII.
6, 10, 21, 30–32, 41.	Bisections at b_4, b_5, b_6.
8.	Bisections at II, VI, VII.
11, 14.	Bisections at I, II, III.
19.	Bisections at II, III, IV, V, VI.
33.	Bisections at I, II.
40.	Bisections at VI, VII.

Note.

10. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.5	+16 4.1	...	+16 10.6
2	+ 7.6	......	− 0.1	+ 7.5
11	+ 6.6	−16 2.9	. .	−15 56.3
12	+ 6.6	+16 3.0	...	+16 9.6
13	+ 7.9	......	+ 1.1	+ 9.0
14	+ 6.7	+16 5.1	...	+16 11.8
15	+ 6.6	−16 5.0	...	−15 58.4
16	+ 7.9	......	− 0.1	+ 7.8
19	+50 14.3	−15 13.4	...	+35 0.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	8 Monocerotis	9	18 44.95	− 0.07	**+13.90**	34 11 52.32	46 360	− 2.66	+ 41.0	6 18 58.76	.....	+ 4 38 30.2	....
2	10 Monocerotis	9	23 16.02	− 0.07	**+13.93**	43 31 51.95	47.380	− 2.66	+ 57.3	6 23 29.83	.....	− 4 42 9.0	....
3	α Canis Majoris	9	40 56.09	− 0.08	+13.88	55 25 52.50	43.670	− 2.66	+1 27.3	6 41 9.89	.....	−16 35 14.8	....
4	51 H. Cephei	9	58 18.89	− 1.46	+13.88	311 39 50.05	49.033	− 2.66	−1 7.4	6 58 31.31	.....	+87 11 19.7	....
5	λ Ursæ Minoris s. p.	4	10 59.78	+ 4.25	+13.88	307 53 51.72	43.895	− 2.66	−1 17.1	19 11 17.91	.....	+89 0 34.0	....
6	δ Draconis s. p.	9	12 17.29	+ 0.22	+13.88	286 25 52.42	43.583	− 2.66	−3 21.2	19 12 31.39	.....	+67 30 24.2	....
7	β Canis Minoris	9	22 0.87	− 0.07	**+13.91**	30 21 53.18	46.732	− 2.66	+ 35.4	7 22 14.68	.....	+ 8 28 26.4	....
8	ε Draconis s. p.	9	48 14.57	+ 0.24	+13.89	288 55 57.35	47.718	− 2.66	−2 53.5	19 48 28.70	.....	+70 2 31.3	....
9	4 B. Ursæ Minoris	5	8 2.40	− 3.78	+13.89	309 57 58.15	46.850	− 2.66	−1 11.7	8 8 12.51	.....	+88 54 5.6	....
10	κ Cephei s. p.	9	11 42.84	+ 0.36	+13.89	296 19 54.22	45.855	− 2.66	−2 1.1	20 11 57.09	.....	+77 26 38.0	....
11	Mercury II, C	9	45 58.89	− 0.04	+13.94	42 49 52.82	48.071	− 2.26	+ 54.7	12 46 12.79	− 0.29	− 4 0 23.5	....
	October 20, M.												
12	Sun I, S	9	37 35.96	− 0.05	+13.95	49 23 55.50	44.770	− 2.45	+1 8.5	13 37 49.86	+65.60	−10 33 24.7	....
13	Sun II, N	9	39 47.17	− 0.05	+13.95	48 51 54.52	44.500	− 2.45	+1 7.2	13 40 1.07	−65.61	−10 1 15.5	....
14	Venus I, C	9	30 56.98	− 0.12	+13.97	62 57 55.62	49.630	− 2.87	+1 53.8	16 31 10.83	+ 0.64	−24 8 25.1	....
15	β Ophiuchi	9	38 45.42	− 0.10	[**+13.97**]	34 13 55.05	46.790	− 3.01	+ 39.6	17 38	.....	+ 4 36 19.4	....
16	ν Ophiuchi	9	53 48.01	− 0.11	[**+13.97**]	48 35 54.65	46.022	− 3.06	+1 5.9	17 54	.....	− 9 45 48.9	....
17	δ Ursæ Minoris	9	1 5.28	− 1.01	+13.98	312 15 54.80	44.045	− 3.09	−1 3.7	18 1 18.25	.....	+86 37 5.7	....
18	μ Sagittarii	9	8 6.49	− 0.12	.....	59 53 55.68	47.755	− 3.11	+1 40.3	18 8	.....	−21 5 3.8	....
19	η Serpentis	9	16 23.10	− 0.10	[**+13.94**]	41 45 56.25	45.372	− 3.14	+ 52.0	18 16	.....	− 2 55 21.7	....
20	3 H. Scuti	9	30 2.48	− 0.11	[**+13.99**]	47 7 54.60	47.948	− 3.19	+1 2.8	18 30	.....	− 8 18 29.6	....
21	φ Sagittarii	9	39 45.78	− 0.13	.....	65 53 55.72	46.805	− 3.23	+2 9.9	18 39	.....	−27 5 11.4	....
22	Moon I, S	9	44 4.36	− 0.12	+13.98	65 43 55.58	47.225	− 3.24	+2 8.9	18 44 18.22	+71.30	−26 55 20.1	....
23	θ Serpentis	9	51 28.95	− 0.10	[**+13.91**]	34 45 55.10	44.535	− 3.27	+ 40.5	18 51	.....	+ 4 5 10.2	....
24	51 H. Cephei s. p.	9	58 16.28	+ 1.19	+13.98	306 3 55.42	45.810	− 3.29	−1 19.7	6 58 31.45	.....	+87 11 18.9	....
25	λ Ursæ Minoris	6	11 7.90	− 3.42	+13.98	309 51 55.20	45.650	− 3.34	−1 9.6	19 11 18.46	.....	+89 0 34.1	....
26	δ Draconis	9	12 17.68	− 0.17	.....	331 21 53.00	44.500	− 3.34	− 31.8	19 12	.....	+67 30 25.4	....
27	h Sagittarii	9	30 58.06	− 0.13	.....	63 53 56.18	47.085	− 3.41	+1 59.4	19 31	.....	−25 5 7.8	....
28	ε Draconis	9	48 14.99	− 0.19	.....	328 49 53.55	44.328	− 3.45	− 35.4	19 48	.....	+70 2 32.5	....
29	c Sagittarii	9	56 51.84	− 0.13	.....	66 45 54.72	48.282	− 3.45	+2 16.5	19 57	.....	−27 57 50.7	....
30	4 B. Ursæ Minoris s. p.	7	7 53.43	+ 3.07	+13.99	307 45 56.48	47.658	− 3.45	−1 15.5	8 8 10.49	.....	+88 54 6.2	....
31	κ Cephei	8	11 43.69	− 0.28	.....	321 25 54.80	44.572	− 3.45	− 46.8	20 11	.....	+77 26 37.1	.. .
	October 21, P.												
32	Sun I, N	9	41 22.43	− 0.07	+14.05	49 11 56.05	48.345	− 1.98	+1 6.4	13 41 36.41	+65.75	−10 22 45.3	....
33	Sun II, S	9	43 33.93	− 0.07	+14.05	49 43 56.12	48.838	− 1.98	+1 7.7	13 43 47.91	−65.75	−10 54 57.2	....
34	β Ophiuchi	9	38 45.36	− 0.19	[**+14.11**]	34 13 54.45	46.861	− 3.12	+ 38.5	17 38 59.27	.....	+ 4 36 19.6	....
35	ν Ophiuchi	9	53 47.95	− 0.20	[**+14.10**]	48 35 56.62	46.000	− 3.21	+1 4.0	17 54 1.85	.....	− 9 45 48.3	....
36	δ Ursæ Minoris	9	1 4.22	− 1.46	+14.10	312 15 51.85	44.128	− 3.25	−1 1.9	18 1 16.86	.....	+86 37 5.1	....
37	3 H. Scuti	9	30 2.44	− 0.20	[**+14.10**]	47 7 55.22	47.990	− 3.43	+1 1.0	18 30 16.35	.....	− 8 18 29.1	....
	October 21, M.												
38	γ Orionis	9	20 3.32	− 0.21	**+14.21**	32 33 51.92	47.300	− 3.20	+ 36.6	5 20 17.34	.....	+ 6 16 14.1	....
39	δ Orionis	9	27 9.69	− 0.22	**+14.20**	39 11 54.15	46.799	− 3.20	+ 46.7	5 27 23.70	.....	− 0 21 46.8	....
40	ε Orionis	9	31 23.92	− 0.22	**+14.25**	40 5 54.60	45.740	− 3.20	+ 48.2	5 31 37.93	.....	− 1 15 24.6	....
41	ζ Orionis	9	35 58.23	− 0.22	**+14.20**	40 49 51.95	45.347	− 3.20	+ 49.5	5 36 12.24	.....	− 1 59 14.1	....
42	κ Orionis	9	43 14.53	− 0.23	**+14.22**	48 31 53.52	46.300	− 3.20	+1 4.8	5 43 28.53	.....	− 9 41 52.8	....
43	α Orionis	9	50 2.94	− 0.21	**+14.22**	31 27 53.12	43.828	− 3.20	+ 35.1	5 50 16.96	.....	+ 7 23 33.7	....
44	δ Ursæ Minoris s. p.	9	1 1.83	+ 0.81	+14.23	305 29 52.40	45.253	− 3.20	−1 19.9	18 1 16.87	.....	+86 37 3.1	....
45	8 Monocerotis	9	18 44.80	− 0.21	**+14.25**	34 11 53.08	46.438	− 3.20	+ 39.0	6 18 58.82	.....	+ 4 38 30.2	....
46	10 Monocerotis	9	23 15.88	− 0.22	**+14.28**	43 31 52.68	47.517	− 3.20	+ 54.5	6 23 29.89	.....	− 4 42 9.4	....
47	α Canis Majoris	9	40 55.93	− 0.24	+14.24	55 25 54.25	43.830	− 3.20	+1 23.1	6 41 9.93	.....	−16 35 15.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 6 23	......	....	37.5
7 16	30.266	38.6	36.9
8 12	30.272	37.7	36.1
12 46	30.300	49.2	48.3
20 13 40	30.290	50.7	50.0
16 31	30.210	53.7	52.9
17 39	30.190	55.0	53.9
18 1	......	....	53.0
18 30	30.170	53.3	52.0
19 11	......	....	50.7
19 31	......	....	48.8
20 12	30.164	48.3	46.8
21 13 44	29.970	54.8	57.0
17 36	[illegible]	62.9	62.1
17 57	......	....	62.3
18 34	29.850	62.1	61.1
5 20	29.770	55.3	54.2
5 36	......	....	54.0
6 23	29.770	54.8	53.4

Micrometer bisections are made at II, VI, except as noted below.

4, 17, 24, 30, 36, 44.	Bisections at b_4, b_5, b_6.
5.	Bisections at b_6, b_7, b_8.
6, 8.	Bisections at III, IV, V.
9.	Bisections at b_3, b_4, b_5.
10.	Bisections at III, IV.
11, 14, 29, 34, 39, 40, 42, 43, 45, 47.	Bisections at I, II, VI, VII.
12, 32.	Bisections at I, II, III.
13, 33.	Bisections at V, VI, VII.
14.	Z. D. threads C used.
21.	Bisections at VI, VII.
22.	Bisections at II, III, IV, V, VI.
25.	Bisections at b_2, b_3, b_4.
26, 28.	Bisections at III, V.
31.	Bisections at IV, V.
37.	Bisections at I, VI, VII.
41, 46.	Bisections at IV, VI, VII.

Notes.

6. Circle reading increased 2′.
9. Faint.
31. Unsteady.
38–47. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 7.7	.. ....	+ 1.1	+ 8.8
12	+ 6.7	+16 4.6	...	+16 11.3
13	+ 6.6	−16 4.5	...	−15 57.9
14	+ 8.0	.. ....	− 0.1	+ 7.9
22	+51 22.5	+15 24.7	...	+66 47.2
32	+ 6.7	−16 6.0	...	−15 59.3
33	+ 6.7	+16 5.9	...	+16 12.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	51 H. Cephei	9	58 19.11	− 1.21	+14.24	311 41 52.48	43.518	− 3.20	−1 4.2	6 58 32.14	.....	+87 11 20.7	....
2	Mercury C	.	.. ..	....	.....	42 25 52.92	45.786	− 2.51	+ 50.9	12 47	.....	− 3 35 27.3	....
	October 22, M.												
3	Sun I, N	9	45 9.35	− 0.23	+14.26	49 33 57.22	46.692	− 2.49	+1 4.7	13 45 23.38	+65.80	−10 44 6.5	....
4	Sun II, S	9	47 20.96	− 0.23	+14.26	50 5 55.48	47.240	− 2.49	+1 6.0	13 47 34.99	−65.81	−11 16 17.8	....
5	Venus I, C	9	40 56.38	− 0.30	+14.27	63 23 52.08	48.085	− 1.88	+1 49.3	16 41 10.35	+ 0.65	−24 33 42.7	....
6	ε Ursæ Minoris	8	54 53.05	− 0.74	+14.27	316 39 51.02	48.020	− 2.08	− 51.6	16 55 6.58	.....	+82 11 25.6	....
7	β Ophiuchi	9	38 45.18	− 0.26	**[+14.34]**	34 14	......	....	. ....	17 38 59.17	.....	+ 4 36	....
8	ν Ophiuchi	9	53 47.80	− 0.27	**[+14.31]**	48 36	......	....	. ....	17 54 1.79	.....	− 9 45	....
9	4 B. Ursæ Minoris s. P.	7	7 52.91	+ 4.15	+14.27	307 45 50.08	47.703	− 2.08	−1 11.6	8 8 11.33	.....	+88 54 6.0	....
10	ρ Capricorni	9	23 28.09	− 0.28	**+14.25**	56 55 50.08	48.090	− 2.36	+1 25.8	20 23 42.08	.....	−18 6 52.1	....
11	α Delphini	9	35 12.17	− 0.25	**+14.23**	23 15 50.82	44.072	− 2.36	+ 24.1	20 35 26.19	.....	+15 35 40.6	....
12	Moon I, S	9	43 53.19	− 0.31	+14.28	62 37 52.02	45.340	− 2.36	+1 48.0	20 44 7.16	+71.64	−23 48 13.5	....
13	μ Aquarii	9	47 32.65	− 0.28	**+14.22**	48 9 51.25	45.180	− 2.36	+1 2.6	20 47 46.64	.....	− 9 19 23.8	....
14	32 Vulpeculæ	9	50 28.28	− 0.25	**+14.28**	11 7 49.78	46.562	− 2.36	+ 11.1	20 50 42.31	.....	+27 42 57.7	....
15	ζ Cygni	9	8 51.30	− 0.25	**+14.24**	8 59 49.42	45.205	− 2.36	+ 9.0	21 9 5.33	.....	+29 51 30.9	....
16	α Equulei	9	11 4.28	− 0.26	**+14.26**	33 57 50.85	46.602	− 2.36	+ 38.0	21 11 18.30	.....	+ 4 52 28.9	....
17	ι Capricorni	9	16 58.91	− 0.29	**+14.33**	56 3 48.65	44.038	− 2.36	+1 23.7	21 17 12.90	.....	−17 13 16.0	....
18	β Aquarii	9	26 34.17	− 0.27	**+14.23**	44 47 53.05	47.400	− 2.36	+ 56.2	21 26 48.18	.....	− 5 58 9.8	....
19	γ Capricorni	9	34 51.28	− 0.29	**+14.22**	55 53 50.18	46.770	− 2.36	+1 23.4	21 35 5.27	.....	−17 4 19.7	....
20	ε Pegasi	9	39 30.92	− 0.26	**+14.22**	29 23 50.88	43.708	− 2.36	+ 31.9	21 39 44.94	.....	+ 9 27 40.8	....
21	δ Capricorni	9	41 49.37	− 0.29	**+14.29**	55 21 51.15	46.815	− 2.36	+1 21.8	21 42 3.36	.....	−16 32 20.1	....
22	μ Capricorni	8	48 8.37	− 0.28	**+14.24**	52 47 51.42	48.082	− 2.36	+1 14.5	21 48 22.37	.....	−13 58 42.0	....
23	ι Aquarii	9	1 19.67	− 0.28	**+14.26**	53 7 51.20	47.610	− 2.36	+1 15.5	22 1 33.67	.....	−14 18 32.2	....
24	ι Pegasi	9	2 34.30	− 0.25	**+14.33**	13 57 50.48	42.780	− 2.36	+ 14.1	22 2 48.33	.....	+24 54 20.5	....
25	θ Pegasi	9	5 24.58	− 0.26	**+14.34**	33 5 50.02	44.680	− 2.36	+ 37.0	22 5 38.60	.....	+ 5 45 14.6	....
26	σ Aquarii	9	25 38.26	− 0.29	**+14.30**	49 57 53.48	47.682	− 2.51	+1 7.6	22 25 52.26	.....	−11 8 27.9	....
27	ζ Pegasi	9	36 43.53	− 0.26	**+14.30**	28 29 51.22	43.828	− 2.51	+ 30.9	22 36 57.56	.....	+10 21 39.0	....
28	η Pegasi	9	38 32.18	− 0.26	**+14.30**	9 5 51.58	46.382	− 2.51	+ 9.2	22 38 46.21	.....	+29 45 2.0	....
29	μ Pegasi	9	45 24.67	− 0.26	**+14.38**	14 43 51.25	44.705	− 2.51	+ 15.0	22 45 38.70	.....	+24 7 34.9	....
30	δ Aquarii	9	49 37.82	− 0.30	**+14.25**	55 7 52.15	46.245	− 2.51	+1 21.7	22 49 51.81	.....	−16 18 7.8	....
31	β Pegasi	9	59 9.91	− 0.26	**+14.28**	11 15 50.32	44.665	− 2.51	+ 11.4	22 59 23.94	.....	+27 35 40.1	....
32	α Pegasi	9	0 1.87	− 0.26	**+14.28**	24 7 51.90	45.168	− 2.51	+ 25.6	23 0 15.90	.....	+14 43 13.3	....
33	τ Pegasi	9	15 56.16	− 0.26	**+14.28**	15 35 51.05	46.585	− 2.51	+ 16.0	23 16 10.19	.....	+23 14 51.1	....
34	κ Piscium	9	22 4.45	− 0.27	**+14.30**	38 5 51.75	43.080	− 2.51	+ 44.9	23 22 18.47	.....	+ 0 45 41.5	....
35	υ Piscium	9	35 4.56	− 0.27	**+14.32**	33 41 52.08	47.152	− 2.51	+ 38.3	23 35 18.58	.....	+ 5 8 14.9	....
36	Mars I, C	5	47 31.74	− 0.28	+14.29	43 13 50.45	47.479	− 2.51	+ 53.9	23 47 47.75	+ 0.72	− 4 22 31.3	....
37	Mars II	5	47 33.13	− 0.28	+14.29	... .	......	....	. ....	23 47 47.14	− 0.67	.. ..	....
38	α Andromedæ	9	3 29.37	− 0.26	**+14.37**	10 15 51.78	44.815	− 2.51	+ 10.4	0 3 43.41	.....	+28 35 36.4	....
39	γ Pegasi	9	8 21.36	− 0.26	**+14.36**	24 9 51.30	45.875	− 2.51	+ 25.8	0 8 35.40	.....	+14 40 57.3	....
40	Saturn I, C	5	14 10.80	− 0.27	+14.30	33 57 51.55	50.172	− 2.58	+ 38.7	1 14 24.83	+ 0.65	+ 4 52 41.3	....
41	Saturn II	5	14 12.10	− 0.27	+14.30	... .	......	....	. ....	1 14 26.13	− 0.65	.. ..	....
	October 23, L.												
42	Sun I, N	9	48 57.13	− 0.23	+14.31	49 55 54.92	44.390	− 1.75	+1 7.4	13 49 11.21	+65.95	−11 5 15.1	....
43	Sun II, S	9	51 9.03	− 0.23	+14.31	50 27 54.95	44.945	− 1.75	+1 8.6	13 51 23.11	−65.95	−11 37 28.1	....
	October 24, P.												
44	Moon I, S	9	41 6.97	− 0.19	+14.62	53 41 52.28	44.449	− 2.54	+1 19.7	22 41 21.40	+70.02	−14 51 24.9	....
45	c^2 Aquarii	9	4 23.95	− 0.20	+14.62	60 29 53.50	44.458	− 2.54	+1 43.4	23 4 38.37	.....	−21 39 50.0	....
46	ψ^3 Aquarii	9	14 1.76	− 0.18	+14.63	48 55 53.12	47.255	− 2.54	+1 7.4	23 14 16.21	− 2.43	−10 6 17.5	−13.0
47	b^1 Aquarii	9	17 59.78	− 0.20	+14.63	59 25 54.68	44.195	− 2.54	+1 39.2	23 18 14.21	− 2.55	−20 35 40.9	−10.4
48	θ Piscium	9	23 8.97	− 0.16	**+14.64**	32 57 53.60	45.045	− 2.54	+ 38.1	23 23 23.44	.....	+ 5 53 1.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 7 11	29.774	54.2	52.8
12 47	29.750	65.2	67.3
22 13 47	29.734	68.1	72.0
16 41	29.730	72.5	74.1
17 39	......	....	72.8
20 8	29.780	66.2	66.9
20 23	......	....	66.2
21 2	......	....	64.4
21 22	29.814	63.3	61.2
22 1	......	....	60.4
22 45	29.818	58.2	57.2
23 16	......	....	55.3
23 48	29.820	55.7	54.0
0 8	29.816	55.2	53.9
1 14	29.818	54.8	52.9
23 13 51	29.628	58.0	57.0
24 22 39	29.785	45.0	43.1
23 10	......	....	42.8
23 30	[illegible]	44.2	42.0

Micrometer bisections are made at II, VI, except as noted below.

1, 6, 9.	Bisections at b_4, b_5, b_6.
2, 5, 36, 40.	Bisections at I, II, VI, VII.
3, 42.	Bisections at I, II, III.
4, 43.	Bisections at V, VI, VII.
5, 36, 40.	Z. D. threads C used.
12, 44.	Bisections at II, III, IV, V, VI.
13, 15, 20, 23, 31, 34.	Bisections at I, II.
22.	Bisections at II, VII.
24.	Bisections at V, VI.
27.	Bisections at I, II, VI.
32.	Bisections at VI, VII.
46.	Bisections at II, VI, VII.

Notes.

1, 6–8. Conditions poor.
36. Circle reading increased 2′.
44, 45. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 7.2	.. ....	+ 1.0	+ 8.2
3	+ 6.7	−16 5.6	...	−15 58.9
4	+ 6.8	+16 5.6	...	+16 12.4
5	+ 8.1	.. ....	− 0.1	+ 8.0
12	+51 31.0	+15 52.0	...	+67 23.0
36	+ 12.7	.. ....	+ 0.1	+ 12.8
40	+ 0.6	.. ....	...	+ 0.6
42	+ 6.8	−16 6.5	...	−15 59.7
43	+ 6.8	+16 6.5	...	+16 13.3
44	+48 8.7	+16 20.9	...	+64 29.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Piscium	9	35 4.12	− 0.16	+14.64	33 41 52.70	47.030	− 2.54	+ 39.2	23 35 18.59	.....	+ 5 8 16.0	....
2	ω² Aquarii	9	37 48.46	− 0.18	+14.63	53 51 53.62	47.675	− 2.54	+1 20.5	23 38 2.91	.....	−15 2 40.7	....
3	Mars I, C	5	47 15.70	− 0.17	+14.63	43 5 52.92	46.781	− 2.54	+ 55.0	23 47 30.16	+ 0.80	− 4 14 18.9	....
4	Mars II	5	47 17.25	− 0.17	+14.63	... .	......	....	. ....	23 47 31.71	− 0.75	. .. .	....
5	ζ Ceti	8	46 46.47	− 0.18	+14.57	49 37 53.25	43.275	− 2.54	+1 9.2	1 47 0.93	.....	−10 46 48.6	....
6	ξ Piscium	9	48 38.84	− 0.16	+14.66	36 5 54.12	45.955	− 2.54	+ 43.0	1 48 53.32	.....	+ 2 44 35.5	....
7	67 Ceti	7	12 14.95	− 0.17	+14.57	45 40	......	....	. ....	2 12 29.43	.....	− 6 50	....
	October 24, M.												
8	γ Orionis	9	20 2.76	− 0.07	+14.71	32 33 51.80	47.178	− 2.24	+ 38.0	5 20 17.40	.....	+ 6 16 14.6	....
9	δ Orionis	9	27 9.15	− 0.07	+14.67	39 11 53.05	46.718	− 2.24	+ 48.5	5 27 23.80	.....	− 0 21 46.6	....
10	ε Orionis	.	.. ..	....	.....	40 5 54.80	45.590	− 2.24	+ 50.0	5 31	.....	− 1 15 24.1	....
11	ζ Orionis	9	35 57.62	− 0.07	+14.74	40 49 51.78	45.205	− 2.24	+ 51.4	5 36 12.27	.....	− 1 59 13.5	....
12	κ Orionis	9	43 13.94	− 0.07	+14.73	48 31 52.68	46.170	− 2.24	+1 7.2	5 43 28.59	.....	− 9 41 52.4	....
13	α Orionis	9	50 2.43	− 0.06	+14.66	31 27 52.15	43.740	− 2.24	+ 36.4	5 50 17.09	.....	+ 7 23 34.4	....
14	ν Orionis	9	2 10.19	− 0.06	+14.82	24 3 51.15	46.042	− 2.24	+ 26.6	6 2 24.85	.....	+14 46 52.6	....
15	8 Monocerotis	9	18 44.19	− 0.05	+14.78	34 11 52.92	46.355	− 2.24	+ 40.4	6 18 58.86	.....	+ 4 38 29.9	....
16	10 Monocerotis	9	23 15.34	− 0.06	+14.74	43 31 52.80	47.378	− 2.24	+ 56.5	6 23 30.00	.....	− 4 42 9.4	....
17	α Canis Majoris	9	40 55.36	− 0.06	+14.72	55 25 51.90	43.765	− 2.24	+1 26.2	6 41 10.02	.....	−16 35 15.7	....
18	Mercury II, S	8	52 28.43	− 0.02	+14.74	42 29 53.22	46.575	− 1.86	+ 53.8	12 52 43.15	− 0.25	− 3 39 49.2	....
	October 25, M.												
19	Sun I, S	9	56 33.92	− 0.02	+14.75	51 9 53.80	44.377	− 1.58	+1 12.6	13 56 48.65	+66.11	−12 19 19.0	....
20	Sun II, N	8	58 46.15	− 0.02	+14.75	50 37 54.32	43.868	− 1.58	+1 11.2	13 59 0.88	−66.12	−11 47 5.7	....
21	ε Ursæ Minoris	9	54 52.03	− 0.85	+14.75	316 39 54.05	48.030	− 2.34	− 54.2	16 55 5.93	.....	+82 11 25.2	....
22	σ Ophiuchi	9	21 45.73	− 0.07	[+14.83]	34 37 56.05	44.562	− 2.41	+ 39.9	17 22 0.40	.....	+ 4 13 8.4	....
23	β Ophiuchi	9	38 44.43	− 0.07	[+14.86]	34 13 55.15	46.795	− 2.49	+ 39.3	17 38 59.10	.....	+ 4 36 19.0	....
24	ν Ophiuchi	9	53 47.02	− 0.07	[+14.85]	48 35 56.05	45.959	− 2.56	+1 5.5	17 54 1.70	.....	− 9 45 48.9	....
25	η Serpentis	9	16 22.15	− 0.07	[+14.79]	41 45 54.12	45.508	− 2.67	+ 51.6	18 16 36.83	.....	− 2 55 22.7	....
26	3 H. Scuti	9	30 1.56	− 0.07	[+14.80]	47 7 54.80	47.992	− 2.73	+1 2.3	18 30 16.24	.....	− 8 18 30.6	....
27	θ Serpentis	9	51 27.98	− 0.07	[+14.77]	34 45 53.15	44.658	− 2.83	+ 40.2	18 51 42.66	.....	+ 4 5 9.2	....
28	51 H. Cephei S. P.	9	58 17.22	+ 2.48	+14.75	306 3 55.55	45.775	− 2.86	−1 19.0	6 58 34.45	.....	+87 11 19.3	....
29	λ Ursæ Minoris	9	11 1.83	− 6.90	+14.76	309 51 55.22	45.673	− 2.92	−1 9.0	19 11 9.69	.....	+89 0 33.1	....
30	ε Draconis	9	48 13.89	− 0.29	+14.76	328 49 53.55	44.320	− 3.10	− 35.0	19 48 28.36	.....	+70 2 32.0	....
31	4 B. Ursæ Minoris S. P.	6	7 58.03	+ 5.77	+14.76	307 45 54.28	47.707	− 3.10	−1 14.7	8 8 18.56	.....	+88 54 6.2	....
32	κ Cephei	8	11 42.32	− 0.48	+14.76	321 25 55.58	44.500	− 3.10	− 46.2	20 11 56.60	.....	+77 26 37.0	....
33	β Pegasi	9	59 9.16	− 0.09	+14.83	11 15 52.90	44.535	− 3.04	+ 11.8	22 59 23.85	.....	+27 35 40.6	....
34	α Pegasi	9	0 1.19	− 0.09	+14.76	24 7 53.32	45.105	− 3.04	+ 26.4	23 0 15.88	.....	+14 43 12.8	....
35	γ Piscium	9	12 14.56	− 0.09	+14.77	36 3 53.82	44.045	− 3.04	+ 42.9	23 12 29.25	.....	+ 2 47 20.1	....
36	τ Pegasi	9	15 55.47	− 0.09	+14.78	15 35 53.00	46.508	− 3.04	+ 16.5	23 16 10.16	.....	+23 14 51.0	....
37	κ Piscium	9	22 3.76	− 0.09	+14.78	38 5 55.00	42.935	− 3.04	+ 46.2	23 22 18.45	.....	+ 0 45 40.8	....
38	θ Piscium	9	23 8.79	− 0.09	+14.74	32 57 51.45	45.200	− 3.04	+ 38.2	23 23 23.48	.....	+ 5 53 0.7	....
39	ι Piscium	9	35 3.90	− 0.09	+14.78	33 41 53.62	47.080	− 3.04	+ 39.3	23 35 18.59	.....	+ 5 8 14.3	....
40	Moon I, S	9	37 57.74	− 0.09	+14.79	47 33 53.88	46.238	− 3.04	+1 4.5	23 38 12.44	+69.41	− 8 43 51.7	....
41	Mars I, C	5	47 12.21	− 0.09	+14.79	42 59 53.00	50.582	− 3.04	+ 55.0	23 47 26.91	+ 0.72	− 4 9 45.3	....
42	Mars II	5	47 13.59	− 0.09	+14.79	... .	......	....	. ....	23 47 28.29	− 0.67	.. ..	....
43	30 Piscium	9	57 5.45	− 0.09	+14.79	45 21 54.38	44.062	− 3.04	+ 59.7	23 57 20.15	.....	− 6 30 57.6	....
44	α Andromedæ	9	3 28.72	− 0.09	+14.83	10 15 51.52	44.858	− 3.04	+ 10.7	0 3 43.42	.....	+28 35 35.9	....
45	γ Pegasi	9	8 20.71	− 0.09	+14.83	24 9 52.32	45.795	− 3.04	+ 26.5	0 8 35.41	.....	+14 40 58.0	....
46	ι Ceti	9	14 35.43	− 0.09	+14.79	48 9 52.32	45.230	− 3.04	+1 5.9	0 14 50.13	.....	− 9 19 28.4	....
47	ε Piscium	9	58 1.08	− 0.09	+14.83	31 25 52.65	47.115	− 3.04	+ 36.1	0 58 15.78	.....	+ 7 24 17.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 23 50	......	....	42.0
0 7	29.804*	44.2	....
1 43	29.812	43.5	41.0
2 15	......	....	40.8
5 20	29.826	39.9	37.7
5 50	......	....	37.2
6 19	29.838	38.8	36.9
6 41	......	....	37.2
7 21	29.850	39.8	....
12 52	29.902	45.0	44.2
25 13 59	29.891	46.5	46.0
16 55	29.850	51.4	51.2
17 27	......	....	51.3
17 54	29.848	51.7	51.4
18 16	......	....	51.2
19 11	29.836	49.9	49.8
19 48	......	....	47.7
20 12	29.836	47.3	47.1
22 59	29.836	43.8	42.4
23 23	......	....	41.4
0 15	29.828	42.2	40.8
0 58	......	....	40.3

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisection at II.
3, 41.	Z. D. threads C used.
3, 18, 22, 24, 41.	Bisections at I, II, VI, VII.
5.	Bisections at I, II, VI.
11, 26.	Bisections at VI, VII.
19.	Bisections at I, II, III.
20.	Bisections at V, VI, VII.
21, 28, 29, 31.	Bisections at b_4, b_5, b_6.
30, 32.	Bisections at III, IV, V.
33, 37, 39.	Bisections at I, II.
40.	Bisections at II, III, IV, V, VI.
46.	Bisections at II, VI, VII.

Notes.

7.	Clouds.
21, 22, 24.	Unsteady.
28.	Micrometer reading decreased 1 rev.
*	Barometer reading changed from 28.004 in. to 29.804 in.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 12.4	.. ....	+ 0.1	+ 12.5
18	+ 6.5	+ 3.7	...	+ 10.2
19	+ 6.9	+16 6.6	...	+16 13.5
20	+ 6.8	−16 6.6	...	−15 59.8
40	+44 36.8	+16 32.8	...	+61 9.6
41	+ 12.2	.. ....	+ 0.1	+ 12.3

No.	Date, Observer. and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Saturn I, C	5	13 18.60	− 0.09	+14.80	34 3 53.42	47.474	− 3.04	+ 40.0	1 13 33.31	+ 0.66	+ 4 47 40.3	....
2	Saturn II	5	13 19.92	− 0.09	+14.80	... .	......	....	.....	1 13 34.63	− 0.66	.. ..	....
3	θ Ceti	9	19 16.55	− 0.09	**+14.74**	47 29 53.90	43.758	− 3.04	+1 4.4	1 19 31.26	.....	− 8 38 54.9	....
4	ξ Piscium	9	48 38.62	− 0.09	**+14.81**	36 5 53.75	46.025	− 3.04	+ 43.1	1 48 53.33	.....	+ 2 44 34.7	....
	October 25, P.												
5	γ Orionis	8	20 2.77	− 0.08	**+14.73**	32 33 46.78	47.430	− 2.50	+ 37.9	5 20 17.47	.....	+ 6 16 14.4	....
6	δ Orionis	9	27 9.20	− 0.08	**+14.65**	39 11 53.35	46.702	− 2.50	+ 48.4	5 27 23.90	.....	− 0 21 46.2	....
7	ζ Orionis	7	35 57.64	− 0.08	**+14.75**	40 49 53.20	45.107	− 2.50	+ 51.3	5 36 12.34	.....	− 1 59 12.4	....
8	κ Orionis	9	43 13.92	− 0.08	**+14.78**	48 31 53.78	46.150	− 2.50	+1 7.1	5 43 28.62	.....	− 9 41 52.7	....
9	α Orionis	9	50 2.37	− 0.08	**+14.77**	31 27 49.15	43.885	− 2.50	+ 36.3	5 50 17.07	.....	+ 7 23 34.5	....
10	δ Ursæ Minoris s. p.	9	0 59.22	+ 1.69	+14.78	305 29 50.25	45.450	− 2.50	−1 22.7	18 1 15.69	.....	+86 37 3.3	....
11	8 Monocerotis	9	18 44.17	− 0.07	**+14.85**	34 11 52.52	46.360	− 2.50	+ 40.4	6 18 58.88	.....	+ 4 38 30.4	....
12	10 Monocerotis	9	23 15.24	− 0.07	**+14.88**	43 31 54.40	47.295	− 2.50	+ 56.4	6 23 29.95	.....	− 4 42 8.8	....
13	α Canis Majoris	9	40 55.33	− 0.08	+14.79	55 25 52.70	43.730	− 2.50	+1 26.1	6 41 10.04	.....	−16 35 15.3	....
14	51 H. Cephei	5	58 20.50	− 2.13	+14.79	311 41 49.25	43.728	− 2.50	−1 6.5	6 58 33.16	.....	+87 11 20.4	....
15	γ Canis Majoris	9	59 25.52	− 0.08	**+14.80**	54 19 51.10	45.222	− 5.22	+1 22.8	6 59 40.23	.....	−15 29 41.6	....
16	λ Ursæ Minoris s. p.	5	10 48.82	+ 6.28	+14.79	307 53 50.12	43.960	− 2.50	−1 16.1	19 11 9.89	.....	+89 0 33.9	....
17	δ Draconis s. p.	9	12 15.95	+ 0.31	+14.79	286 25 49.52	43.578	− 2.50	−3 18.6	19 12 31.05	.....	+67 30 23.9	....
18	ε Draconis s. p.	9	48 13.33	+ 0.43	+14.79	288 55 49.85	47.933	− 2.36	−2 51.2	19 48 28.55	.....	+70 2 31.3	....
19	4 B. Ursæ Minoris	7	8 9.01	− 6.84	+14.80	309 57 50.90	47.158	− 2.36	−1 10.7	8 8 16.97	.....	+88 54 4.7	....
20	κ Cephei s. p.	9	11 41.17	+ 0.65	+14.80	296 19 49.32	46.020	− 2.36	−1 59.3	20 11 56.62	.....	+77 26 38.9	....
21	76 Draconis s. p.	9	48 56.36	+ 1.02	+14.80	301 5 50.05	43.582	− 2.36	−1 38.2	20 49 12.18	.....	+82 12 4.9	....
22	Mercury II, C	9	55 24.92	+ 0.01	+14.83	42 41 54.38	44.714	− 2.23	+ 53.0	12 55 39.76	− 0.24	− 3 51 6.6	....
	October 26, P.												
23	Sun I, S	9	0 23.92	− 0.01	+14.83	51 29 59.90	45.747	− 1.81	+1 11.3	14 0 38.74	+66.20	−12 39 54.9	....
24	Sun II, N	9	2 36.32	− 0.01	+14.83	50 58 1.52	45.197	− 1.81	+1 9.9	14 2 51.14	−66.20	−12 7 41.7	....
25	Venus I, C	9	1 0.54	− 0.15	+14.85	64 5 53.62	45.730	− 4.02	+1 55.3	17 1 15.24	+ 0.67	−25 16 29.5	....
26	σ Ophiuchi	9	21 45.76	− 0.14	**[+14.86]**	34 37 54.70	44.685	− 4.22	+ 38.8	17 22 0.47	.....	+ 4 13 10.0	....
27	β Ophiuchi	9	38 44.50	− 0.15	**[+14.86]**	34 13 53.62	46.945	− 4.22	+ 38.3	17 38 59.20	.....	+ 4 36 19.8	....
28	ν Ophiuchi	9	53 47.08	− 0.16	**[+14.87]**	48 35 54.05	46.178	− 4.22	+1 3.8	17 54 1.78	.....	− 9 45 48.6	....
29	η Serpentis	9	16 22.16	− 0.16	**[+14.85]**	41 45 53.92	45.585	− 4.22	+ 50.4	18 16 36.86	.....	− 2 55 21.5	....
30	3 H. Scuti	9	30 1.61	− 0.18	**[+14.84]**	47 7 50.72	48.283	− 4.22	+1 0.9	18 30 16.29	.....	− 8 18 30.4	....
31	51 H. Cephei s. p.	8	58 17.79	+ 1.25	+14.86	306 3 49.45	46.050	− 4.22	−1 17.3	6 58 33.90	.....	+87 11 19.9	....
32	λ Ursæ Minoris	6	10 58.72	− 3.24	+14.87	309 51 49.70	45.902	− 4.22	−1 7.6	19 11 10.35	.....	+89 0 33.3	....
33	ε Draconis	9	48 13.77	− 0.23	+14.87	328 49 49.80	44.500	− 4.36	− 34.3	19 48 28.41	.....	+70 2 31.6	....
34	4 B. Ursæ Minoris s. p.	7	8 0.76	+ 2.69	+14.87	307 45 50.12	47.902	− 4.36	−1 13.1	8 8 18.32	.....	+88 54 6.0	....
35	κ Cephei	9	11 42.26	− 0.33	+14.87	321 25 51.20	44.675	− 4.36	− 45.2	20 11 56.80	.....	+77 26 37.6	....
36	32 Vulpeculæ	9	50 27.47	− 0.18	**+14.94**	11 7 54.55	46.370	− 4.36	+ 11.3	20 50 42.17	.....	+27 42 59.1	....
37	ζ Cygni	9	8 50.47	− 0.19	**+14.93**	8 59 52.25	45.130	− 4.36	+ 9.1	21 9 5.16	.....	+29 51 31.7	....
38	α Equulei	9	11 3.51	− 0.19	**+14.90**	33 57 53.75	46.510	− 4.36	+ 38.6	21 11 18.20	.....	+ 4 52 29.4	....
39	β Aquarii	9	26 33.34	− 0.20	**+14.93**	44 47 54.60	47.375	− 4.36	+ 56.9	21 26 48.02	.....	− 5 58 9.4	....
40	ε Pegasi	9	39 30.15	− 0.19	**+14.86**	29 23 52.05	43.665	− 4.36	+ 32.3	21 39 44.84	.....	+ 9 27 42.4	....
41	16 Pegasi	9	48 42.28	− 0.19	**+14.92**	13 21 52.60	43.320	− 4.36	+ 13.7	21 48 56.97	.....	+25 30 8.3	....
42	ι Pegasi	9	2 33.57	− 0.19	**+14.94**	13 57 53.55	42.675	− 4.36	+ 14.3	22 2 48.27	.....	+24 54 21.5	....
43	θ Pegasi	9	5 23.96	− 0.20	**+14.85**	33 5 52.55	44.605	− 4.36	+ 37.4	22 5 38.65	.....	+ 5 45 15.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 1 19	......	....	39.8
1 49	29.818	41.2	39.6
5 18	29.776	39.1	37.4
5 45	......	....	37.2
6 7	......	....	37.0
6 26	29.786	38.0	36.9
6 48	......	....	36.0
7 22	29.794	37.0	35.6
7 51	......	....	35.3
8 17	29.794	36.8	35.4
8 51	29.804	36.2	35.2
12 54	29.824	53.0	53.5
26 14 3	29.804	57.8	59.2
17 2	29.756	62.6	63.1
17 24	......	....	63.6
17 56	29.745	63.1	62.2
18 19	......	....	61.1
18 50	......	....	59.3
19 16	29.732	60.0	58.2
20 6	......	....	56.1
20 18	29.734	57.0	55.8
20 48	......	....	55.0
21 18	29.730	55.0	53.3
21 42	......	....	53.0
22 0	......	....	52.5
22 8	......	....	52.3

Micrometer bisections are made at II, VI, except as noted below.

1. Z. D. threads C used.
1, 22, 25, 33. Bisections at I, II, VI, VII.
5, 15, 26. Bisections at VI, VII.
7, 30. Bisections at II, VI, VII.
10, 31, 32. Bisections at b_4, b_5, b_6.
14. Bisections at b_1, b_4, b_5.
16. Bisections at b_1, b_2.
17, 18, 20, 21, 35. Bisections at III, IV, V.
19. Bisections at b_4, b_5.
23. Bisections at I, II, III.
24. Bisections at V, VI, VII.
34. Bisections at b_5, b_7, b_9.
37. Bisections at I, II.

Notes.

15. Two microscopes used.
26, 32. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 0.6	......	...	+ 0.6
22	+ 6.4	......	+ 0.7	+ 7.1
23	+ 6.9	+16 6.6	...	+16 13.5
24	+ 6.9	−16 6.6	...	−15 59.7
25	+ 8.4	......	0.0	+ 8.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Pegasi	9	36 42.82	− 0.21	+14.92	28 29 52.40	43.825	− 4.15	+ 31.2	22 36 57.50	.....	+10 21 39.3	....
2	η Pegasi	9	38 31.44	− 0.21	+14.93	9 5 53.88	46.302	− 4.15	+ 9.3	22 38 46.12	.....	+29 45 3.2	....
3	μ Pegasi	9	45 24.04	− 0.21	+14.91	14 43 52.92	44.625	− 4.15	+ 15.2	22 45 38.72	.....	+24 7 36.5	....
4	β Pegasi	9	59 9.19	− 0.21	+14.91	11 15 52.62	44.568	− 4.15	+ 11.5	22 59 23.87	.....	+27 35 41.8	....
5	α Pegasi	9	0 1.17	− 0.21	+14.89	24 7 53.58	45.092	− 4.15	+ 25.8	23 0 15.85	.....	+14 43 14.6	....
6	γ Piscium	9	12 14.62	− 0.20	+14.82	36 3 53.80	44.090	− 4.15	+ 42.0	23 12 29.31	.....	+ 2 47 21.1	....
7	τ Pegasi	9	15 55.46	− 0.21	+14.90	15 35 51.68	46.560	− 4.15	+ 16.1	23 16 10.14	.....	+23 14 52.6	....
8	κ Piscium	9	22 3.81	− 0.21	+14.84	38 5 53.78	43.030	− 4.15	+ 45.2	23 22 18.49	.....	+ 0 45 41.9	....
9	θ Piscium	9	23 8.78	− 0.21	+14.87	32 57 53.62	45.130	− 4.15	+ 37.4	23 23 23.46	.....	+ 5 53 2.1	....
10	ι Piscium	9	35 3.95	− 0.21	+14.85	33 41 52.58	47.160	− 4.15	+ 38.5	23 35 18.64	.....	+ 5 8 15.7	....
11	Mars I, C	5	47 11.86	− 0.21	+14.90	42 55 52.50	48.624	− 4.15	+ 53.6	23 47 26.55	+ 0.81	− 4 4 57.5	....
12	Mars II	5	47 13.41	− 0.21	+14.90	... .	......	....	. ....	23 47 28.10	− 0.74	.. ..	....
13	30 Piscium	9	57 5.48	− 0.21	+14.90	45 21 53.48	44.162	− 4.15	+ 58.4	23 57 20.17	.....	− 6 30 56.6	....
14	α Andromedæ	9	3 28.66	− 0.21	+15.01	10 15 52.52	44.785	− 4.15	+ 10.5	0 3 43.35	.....	+28 35 37.9	....
15	ι Ceti	9	14 35.51	− 0.21	+14.83	48 9 53.70	45.255	− 4.15	+1 4.4	0 14 50.20	.....	− 9 19 27.8	....
16	Moon I, S	9	34 20.78	− 0.22	+14.90	40 49 51.38	44.650	− 4.15	+ 49.9	0 34 35.46	+69.35	− 1 58 57.2	....
17	ε Piscium	9	58 1.16	− 0.21	+14.87	31 25 52.72	47.130	− 4.15	+ 35.4	0 58 15.86	.....	+ 7 24 19.3	....
18	Saturn I, C	5	13 1.69	− 0.21	+14.91	34 5 54.55	46.582	− 4.15	+ 39.1	1 13 16.39	+ 0.71	+ 4 46 1.5	....
19	Saturn II	5	13 3.10	− 0.21	+14.91	... .	......	....	. ....	1 13 17.80	− 0.70	.. ..	....
	October 26, L.												
20	ν Eridani	9	31 34.09	− 0.17	+14.89	42 21 54.48	47.212	− 3.90	+ 53.3	4 31 48.79	.....	− 3 32 2.5	....
21	53 Eridani	9	33 48.59	− 0.18	+14.74	53 17 53.95	47.653	− 3.90	+1 18.3	4 34 3.28	.....	−14 28 36.9	....
22	ε Ursæ Minoris s. p.	9	54 50.69	+ 0.44	+14.87	301 3 50.68	47.038	− 3.90	−1 36.2	16 55 6.00	.....	+82 11 24.5	....
23	γ Orionis	9	20 2.76	− 0.16	+14.85	32 33 53.90	47.155	− 3.90	+ 37.4	5 20 17.48	.....	+ 6 16 15.3	....
24	δ Orionis	9	27 9.13	− 0.16	+14.83	39 11 55.80	46.672	− 3.90	+ 47.7	5 27 23.85	.....	− 0 21 45.9	....
25	α Leporis	9	28 30.54	− 0.18	+14.86	56 41 53.32	48.115	− 3.90	+1 28.9	5 28 45.24	.....	−17 52 57.4	....
26	ε Orionis	9	31 23.41	− 0.16	+14.83	40 5 55.55	45.630	− 3.90	+ 49.2	5 31 38.13	.....	− 1 15 23.3	....
27	ζ Orionis	9	35 57.61	− 0.16	+14.89	40 49 53.78	45.175	− 3.90	+ 50.5	5 36 12.33	.....	− 1 59 12.4	....
28	κ Orionis	9	43 14.02	− 0.17	+14.80	48 31 55.20	46.145	− 3.90	+1 6.1	5 43 28.73	.....	− 9 41 51.6	....
29	α Orionis	9	50 2.36	− 0.16	+14.89	31 27 53.52	43.725	− 3.90	+ 35.8	5 50 17.08	.....	+ 7 23 35.6	....
30	δ Ursæ Minoris s. p.	9	0 59.17	+ 1.10	+14.88	305 29 50.82	45.437	− 3.90	−1 21.6	18 1 15.15	.....	+86 37 3.3	....
31	8 Monocerotis	9	18 44.20	− 0.16	+14.94	34 11 55.08	46.285	− 3.90	+ 39.8	6 18 58.92	.....	+ 4 38 31.6	....
32	10 Monocerotis	9	23 15.29	− 0.17	+14.96	43 31 54.42	47.378	− 3.90	+ 55.7	6 23 30.00	.....	− 4 42 8.6	....
33	α Canis Majoris	9	40 55.37	− 0.18	+14.89	55 25 54.22	43.746	− 3.90	+1 25.0	6 41 10.08	.....	−16 35 14.7	....
34	51 H. Cephei	5	58 20.50	− 1.44	+14.89	311 41 51.12	43.683	− 3.90	−1 5.6	6 58 33.95	.....	+87 11 20.3	....
35	γ Canis Majoris	9	59 25.50	− 0.18	+14.95	54 19 53.30	45.105	− 3.90	+1 21.6	6 59 40.21	.....	−15 29 41.2	....
36	λ Ursæ Minoris s. p.	7	10 50.11	+ 3.88	+14.89	307 53 49.28	43.955	− 3.90	−1 15.0	19 11 8.88	.....	+89 0 33.6	....
37	δ Draconis s. p.	9	12 16.02	+ 0.13	+14.89	286 25 48.58	43.548	− 3.90	−3 15.7	19 12 31.04	.....	+67 30 23.8	....
38	ε Draconis s. p.	9	48 13.39	+ 0.15	+14.89	288 55 52.58	47.800	− 3.90	−2 48.8	19 48 28.43	.....	+70 2 31.6	....
39	4 B. Ursæ Minoris	5	8 7.00	− 3.60	+14.90	309 57 54.12	47.052	− 3.90	−1 9.8	8 8 18.30	.....	+88 54 4.3	....
40	κ Cephei s. p.	9	11 41.43	+ 0.26	+14.90	296 19 51.50	45.949	− 3.90	−1 57.8	20 11 56.59	.....	+77 26 39.1	....
41	Mercury II, S	9	58 47.53	− 0.13	+14.93	42 57 55.10	43.789	− 2.76	+ 52.8	12 59 2.33	− 0.24	− 4 6 45.5	....
	October 27, L.												
42	Sun I, S	9	4 14.31	− 0.14	+14.94	51 51 55.80	41.957	− 2.91	+1 11.2	14 4 29.11	+66.32	−13 0 22.9	....
43	Sun II, N	9	6 26.95	− 0.14	+14.94	51 19 54.00	41.493	− 2.91	+1 9.8	14 6 41.75	−66.32	−12 28 8.4	....
44	γ Piscium	9	12 14.47	− 0.21	+14.97	36 3 54.72	44.040	− 3.75	+ 41.6	23 12 29.27	.....	+ 2 47 21.3	....
45	τ Pegasi	9	15 55.37	− 0.20	+14.97	15 35 52.58	46.548	− 3.75	+ 16.0	23 16 10.18	.....	+23 14 51.7	....
46	κ Piscium	9	22 3.70	− 0.21	+14.95	38 5 54.42	43.042	− 3.75	+ 44.8	23 22 18.50	.....	+ 0 45 41.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 22 33	29.728	53.0	52.0
22 51	......	....	51.0
23 10	......	....	50.9
23 30	29.730	51.0	50.3
23 51	......	....	50.1
0 13	......	....	50.0
0 32	29.727	50.5	49.3
1 1	......	....	48.9
1 15	29.714	50.0	48.3
4 34	29.684	44.3	43.0
4 57	......	....	43.3
5 21	......	....	43.0
5 37	29.680	43.9	43.0
5 57	......	....	42.2
6 24	......	....	41.6
6 42	29.684	43.2	41.1
7 0	......	....	41.0
7 18	......	....	40.7
7 46	......	....	40.1
8 16	29.680	42.0	39.9
12 59	29.704	56.5	57.8
27 14 6	29.700	61.8	64.5
23 13	29.720	55.8	54.2

Micrometer bisections are made at II, VI, except as noted below.

2, 35.	Bisections at VI, VII.
8.	Bisections at I, II.
11, 18.	Z. D. threads C used.
11, 18, 33, 41.	Bisections at I, II, VI, VII.
16.	Bisections at II, III, IV, V, VI.
21, 25.	Bisections at II, VI, VII.
22, 38, 40.	Bisections at II, III, V, VI.
30.	Bisections at b_4, b_5, b_6.
34, 39.	Bisections at b_3, b_4, b_5.
36.	Bisections at b_2, b_3.
37.	Bisections at II, IV, V.
42.	Bisections at I, II, III.
43.	Bisections at V, VI, VII.

Note.

30. Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 12.2	.. ....	+ 0.1	+ 12.3
16	+39 48.7	+16 40.8	...	+56 29.5
18	+ 0.6	.. ....	...	+ 0.6
41	+ 6.2	+ 3.5	...	+ 9.7
42	+ 6.9	+16 7.2	...	+16 14.1
43	+ 6.9	−16 7.3	...	−16 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Piscium	9	35 3.83	− 0.20	**+14.95**	33 41 54.15	47.115	− 3.75	+ 38.2	23 35 18.64	.....	+ 5 8 15.0	....
2	Mars I, C	5	47 14.18	− 0.21	+15.01	42 51 53.20	45.762	− 3.75	+ 53.2	23 47 28.98	+ 0.85	− 3 59 52.9	....
3	Mars II	5	47 15.80	− 0.21	+15.01	... .	......	....	. ....	23 47 30.60	− 0.77	.. ..	....
4	α Andromedæ	9	3 28.59	− 0.20	**+15.07**	10 15 54.52	44.700	− 3.75	+ 10.4	0 3 43.40	.....	+28 35 37.5	....
5	44 Piscium	9	20 32.04	− 0.21	**+14.99**	37 23 53.90	46.418	− 3.75	+ 43.9	0 20 46.85	.....	+ 1 26 25.5	....
6	ε Piscium	9	58 1.03	− 0.20	**+14.99**	31 25 54.25	47.072	− 3.75	+ 35.2	0 58 15.85	.....	+ 7 24 18.9	....
7	Saturn I, C	5	12 44.69	− 0.20	+15.02	34 7 55.35	45.545	− 3.75	+ 39.1	1 12 59.51	+ 0.72	+ 4 44 24.0	....
8	Saturn II	5	12 46.13	− 0.20	+15.02	... .	......	....	. ....	1 13 0.95	− 0.72	.. ..	....
9	θ Ceti	9	19 16.48	− 0.22	**+14.94**	47 29 54.62	43.760	− 3.75	+1 2.9	1 19 31.28	.....	− 8 38 53.5	....
10	η Piscium	9	26 24.69	− 0.20	**+14.99**	23 57 54.32	45.925	− 3.75	+ 25.7	1 26 39.51	.....	+14 52 54.5	....
11	Moon I, S	9	31 11.89	− 0.21	+15.03	33 53 53.32	47.915	− 3.75	+ 38.8	1 31 26.71	+69.94	+ 4 55 56.9	....
12	ξ Piscium	9	48 38.57	− 0.21	**+15.00**	36 5 55.35	45.990	− 3.75	+ 42.2	1 48 53.39	.....	+ 2 44 35.5	....
	October 27, M.												
13	γ Orionis	9	20 2.46	− 0.19	**+15.21**	32 33 51.40	47.262	− 3.74	+ 37.4	5 20 17.43	.....	+ 6 16 15.2	....
14	δ Orionis	9	27 8.83	− 0.19	**+15.19**	39 11 52.62	46.822	− 3.74	+ 47.8	5 27 23.80	.....	− 0 21 46.5	....
15	α Leporis	9	28 30.32	− 0.21	**+15.14**	56 41 52.12	48.162	− 3.74	+1 29.1	5 28 45.27	.....	−17 52 57.7	....
16	ε Orionis	9	31 23.13	− 0.19	**+15.17**	40 5 53.12	45.738	− 3.74	+ 49.4	5 31 38.10	.....	− 1 15 23.5	....
17	ζ Orionis	9	35 57.37	− 0.19	**+15.19**	40 49 52.02	45.218	− 3.74	+ 50.7	5 36 12.34	.....	− 1 59 12.0	....
18	κ Orionis	9	43 13.69	− 0.20	**+15.19**	48 31 52.52	46.270	− 3.74	+1 6.3	5 43 28.65	.....	− 9 41 52.1	....
19	α Orionis	9	50 2.17	− 0.19	**+15.14**	31 27 51.78	43.815	− 3.74	+ 35.9	5 50 17.14	.....	+ 7 23 35.2	....
20	δ Ursæ Minoris S. P.	9	0 59.61	+ 1.02	+15.16	305 29 51.45	45.367	− 3.74	−1 21.8	18 1 15.79	.....	+86 37 2.3	....
21	8 Monocerotis	9	18 43.97	− 0.19	**+15.23**	34 11 50.78	46.558	− 3.74	+ 40.0	6 18 58.94	.....	+ 4 38 29.5	....
22	10 Monocerotis	9	23 15.04	− 0.20	**+15.27**	43 31 52.80	47.490	− 3.74	+ 55.9	6 23 30.00	.....	− 4 42 9.7	....
23	α Canis Majoris	9	40 55.19	− 0.21	+15.17	55 25 52.58	43.828	− 3.74	+1 25.3	6 41 10.15	.....	−16 35 15.4	....
24	51 H. Cephei	7	58 21.63	− 1.40	+15.17	311 41 54.65	43.497	− 3.74	−1 5.8	6 58 35.40	.....	+87 11 20.6	....
25	γ Canis Majoris	9	59 25.28	− 0.21	**+15.23**	54 19 50.68	45.220	− 3.74	+1 22.0	6 59 40.24	.....	−15 29 42.0	....
26	λ Ursæ Minoris S. P.	7	10 49.25	+ 3.68	+15.17	307 53 53.52	43.725	− 3.74	−1 15.3	19 11 8.10	.....	+89 0 33.2	....
	October 28, M.												
27	Sun I, N	9	8 5.25	− 0.14	+15.23	51 37 55.42	47.182	− 2.97	+1 13.7	14 8 20.34	+66.44	−12 48 24.4	....
28	Sun II, S	9	10 18.13	− 0.14	+15.23	52 9 54.28	47.852	− 2.97	+1 15.2	14 10 33.22	−66.44	−13 20 39.3	....
29	ε Ursæ Minoris	8	54 50.58	− 0.57	+15.26	316 39 53.65	48.125	− 3.11	− 54.8	16 55 5.27	.....	+82 11 24.8	....
30	σ Ophiuchi	9	21 45.36	− 0.14	**[+15.24]**	34 37 53.58	44.686	− 3.11	+ 40.4	17 22 0.48	.....	+ 4 13 8.2	....
31	β Ophiuchi	9	38 44.06	− 0.14	**[+15.27]**	34 13 51.05	46.988	− 3.11	+ 39.8	17 38 59.18	.....	+ 4 36 18.8	....
32	ν Ophiuchi	9	53 46.63	− 0.15	**[+15.29]**	48 35 52.95	46.062	− 3.11	+1 6.3	17 54 1.75	.....	− 9 45 48.4	....
33	η Serpentis	9	16 21.73	− 0.14	**[+15.24]**	41 45 52.02	45.570	− 3.11	+ 52.2	18 16 36.86	.....	− 2 55 22.2	....
34	3 H. Scuti	9	30 1.08	− 0.15	**[+15.32]**	47 7 52.60	48.062	− 3.11	+1 3.1	18 30 16.20	.....	− 8 18 30.4	....
35	θ Serpentis	9	51 27.52	− 0.14	**[+15.26]**	34 45 53.78	44.600	− 3.11	+ 40.7	18 51 42.65	.....	+ 4 5 9.7	....
36	ε Draconis	9	48 13.10	− 0.25	+15.28	328 49 51.12	44.457	− 3.11	− 35.4	19 48 28.13	.....	+70 2 31.7	....
37	4 B. Ursæ Minoris S. P.	6	8 2.87	+ 3.78	+15.28	307 45 54.65	47.757	− 3.11	−1 15.6	8 8 21.93	.....	+88 54 6.8	....
38	κ Cephei	8	11 41.52	− 0.37	+15.28	321 25 53.15	44.640	− 3.11	− 46.8	20 11 56.43	.....	+77 26 36.9	....
39	76 Draconis	9	48 56.81	− 0.57	+15.29	316 39 51.62	46.488	− 3.11	− 55.5	20 49 11.53	.....	+82 12 4.9	....
40	Saturn I, C	5	12 27.71	− 0.12	+15.32	34 7 52.80	49.749	− 2.99	+ 40.4	1 12 42.91	+ 0.63	+ 4 42 48.4	....
41	Saturn II	5	12 28.98	− 0.12	+15.32	... .	......	....	. ....	1 12 44.18	− 0.64	.. ..	....
42	η Piscium	9	26 24.27	− 0.12	**+15.34**	23 57 52.18	45.975	− 2.99	+ 26.6	1 26 39.47	.....	+14 52 53.8	....
43	α Trianguli	9	47 41.23	− 0.12	**+15.33**	9 43 50.22	42.760	− 2.99	+ 10.3	1 47 56.43	.....	+29 8 25.3	....
44	β Arietis	9	49 24.28	− 0.12	**+15.33**	18 29 51.15	43.180	− 2.99	+ 20.0	1 49 39.48	.....	+20 22 5.3	....
45	Moon S	.	.. ..	....	.....	27 19 52.60	46.975	− 3.11	+ 30.9	.. ..	.....	+11 30 30.5	....
46	Moon II, N	9	31 50.37	− 0.11	−15.33	26 47 54.22	41.663	− 3.11	+ 30.2	2 32 5.59	−71.09	+12 4 22.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 23 36	......	....	53.4
23 48	......	....	53.0
0 21	29.740	53.3	52.8
0 59	29.760	52.9	51.7
1 20	......	....	50.4
1 30	......	....	50.0
1 49	29.776	51.0	49.2
5 20	29.796	45.2	43.7
5 36	......	....	43.2
6 1	29.788	44.2	42.3
6 23	......	....	41.2
7 11	29.784	42.2	40.5
28 14 10	29.870	47.0	46.2
16 55	29.876	48.1	46.3
17 22	......	....	45.8
17 54	......	....	46.3
18 16	......	....	45.9
18 51	29 904	46.5	45.2
19 48	29.930	44.8	43.7
20 12	......	....	43.1
20 49	29.952	43.7	42.2
1 12	29.962	38.9	37.7
1 48	......	....	37.6
2 32	29.956	38.0	36.6

Micrometer bisections are made at II, VI, except as noted below.

2, 7, 40.	Z. D. threads C used.
2, 7, 30, 40.	Bisections at I, II, VI, VII.
11.	Bisections at II, III, IV, V, VI.
14, 43.	Bisections at I, II.
16, 19, 21, 22, 34.	Bisections at VI, VII.
20, 26, 29, 37, 39.	Bisections at b_4, b_5, b_6.
24.	Bisections at b_1, b_2, b_3.
27, 45.	Bisections at I, II, III.
28, 46.	Bisections at V, VI, VII.
36.	Bisections at III, IV, V.
38.	Bisections at IV, V.

Notes.

14–18. Clouds.

29. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 12.0	.. ....	+ 0.1	+ 12.1
7	+ 0.6	.. ....	...	+ 0.6
11	+34 3.0	+16 43.7	...	+50 46.7
27	+ 6.9	−16 7.4	...	−16 0.5
28	+ 7.0	+16 7.4	...	+16 14.4
40	+ 0.6	.. ....	...	+ 0.6
45	+27 55.3	+16 40.0	...	+44 35.3
46	+27 23.0	−16 40.0	+ 0.1	+10 43.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Ceti	9	38 22.63	− 0.11	**+15.31**	35 59 52.85	43.812	− 2.76	+ 43.4	2 38 37.85	.....	+ 2 51 25.4	....
2	μ Ceti	9	39 48.87	− 0.11	**+15.34**	29 7 52.72	42.540	− 2.75	+ 33.3	2 40 4.09	.....	+ 9 44 4.9	....
3	41 Arietis	9	44 25.29	− 0.10	**+15.33**	11 57 52.12	45.262	− 2.72	+ 12.7	2 44 40.52	.....	+26 53 23.6	....
4	σ Arietis	9	46 15.64	− 0.10	**+15.32**	24 7 52.00	46.498	− 2.71	+ 26.8	2 46 30.87	.....	+14 42 41.6	....
5	ε Arietis (*mean*)	9	53 48.06	− 0.10	**+15.35**	17 51 51.72	46.448	− 2.66	+ 19.3	2 54 3.29	.....	+20 58 50.4	....
6	α Ceti	9	57 18.83	− 0.10	**+15.34**	35 5 51.05	47.068	− 2.64	+ 42.1	2 57 34.06	.....	+ 3 44 14.2	....
7	δ Arietis	9	6 13.08	− 0.10	**+15.36**	19 27 50.65	45.470	− 2.59	+ 21.2	3 6 28.31	.....	+19 23 11.9	....
8	ζ Arietis	9	9 27.82	− 0.10	**+15.33**	18 7 50.90	46.870	− 2.57	+ 19.7	3 9 43.05	.....	+20 42 41.1	....
9	ο Tauri	9	19 42.51	− 0.10	**+15.28**	30 7 52.12	45.902	− 2.50	+ 34.8	3 19 57.74	.....	+ 8 42 46.9	....
10	f Tauri	9	25 38.43	− 0.09	**+15.35**	26 13 52.65	43.588	− 2.47	+ 29.5	3 25 53.67	.....	+12 37 44.5	....
11	δ Eridani	9	38 40.76	− 0.10	**+15.33**	48 53 50.72	46.505	− 2.39	+1 8.7	3 38 55.99	.....	−10 3 59.5	....
12	η Tauri	9	41 52.09	− 0.09	**+15.38**	15 1 51.55	44.440	− 2.37	+ 16.1	3 42 7.33	.....	+23 49 39.4	....
13	λ Tauri	9	55 25.77	− 0.09	**+15.38**	26 35 51.85	47.585	− 2.28	+ 30.1	3 55 41.02	.....	+12 14 13.2	....
14	A Tauri	9	59 6.41	− 0.09	**+15.43**	17 1 52.08	42.855	− 2.26	+ 18.4	3 59 21.66	.....	+21 50 12.7	....
15	ο¹ Eridani	9	7 12.71	− 0.09	**+15.38**	45 53 51.85	47.362	− 2.21	+1 1.9	4 7 27.96	.....	− 7 4 13.5	....
16	ο² Eridani	9	10 52.26	− 0.09	**+15.33**	46 37 52.28	45.245	− 2.19	+1 3.5	4 11 7.51	.....	− 7 47 27.2	....
	October 28, P.												
17	ε Ursæ Minoris s. p.	9	54 49.70	+ 0.64	+15.29	301 3 46.90	47.183	− 2.84	−1 38.8	16 55 5.63	.....	+82 11 23.1	....
18	γ Orionis	9	20 2.32	− 0.06	**+15.24**	32 33 50.30	47.210	− 2.84	+ 38.3	5 20 17.56	.....	+ 6 16 15.7	....
19	δ Orionis	9	27 8.63	− 0.06	**+15.28**	39 11 51.50	46.755	− 2.84	+ 48.9	5 27 23.87	.....	− 0 21 45.9	....
20	α Leporis	9	28 30.06	− 0.06	**+15.27**	56 41 51.32	48.062	− 2.84	+1 31.2	5 28 45.30	.....	−17 52 57.6	....
21	ε Orionis	9	31 22.95	− 0.06	**+15.24**	40 5 50.98	45.725	− 2.84	+ 50.5	5 31 38.19	.....	− 1 15 23.3	....
22	ζ Orionis	9	35 57.16	− 0.05	**+15.28**	40 49 51.52	45.168	− 2.84	+ 51.8	5 36 12.41	.....	− 1 59 12.3	....
23	κ Orionis	9	43 13.46	− 0.05	**+15.29**	48 31 52.25	46.188	− 2.84	+1 7.8	5 43 28.71	.....	− 9 41 52.4	....
24	α Orionis	9	50 1.93	− 0.05	**+15.26**	31 27 50.78	43.772	− 2.84	+ 36.7	5 50 17.18	.....	+ 7 23 35.4	....
25	δ Ursæ Minoris s. p.	9	0 57.67	+ 1.64	+15.30	305 29 48.05	45.610	− 2.84	−1 23.6	18 1 14.61	.....	+86 37 3.5	....
26	8 Monocerotis	9	18 43.76	− 0.04	**+15.32**	34 11 52.60	46.332	− 2.84	+ 40.8	6 18 59.02	.....	+ 4 38 30.9	....
27	α Canis Majoris	9	40 55.00	− 0.03	+15.31	55 25 53.28	43.672	− 2.84	+1 26.9	6 41 10.28	.....	−16 35 15.0	....
28	51 H. Cephei	6	58 22.30	− 2.15	+15.31	311 41 46.10	43.870	− 2.84	−1 7.0	6 58 35.46	.....	+87 11 20.9	....
29	γ Canis Majoris	9	59 25.08	− 0.02	**+15.27**	54 19 49.55	45.128	− 2.84	+1 23.4	6 59 40.37	.....	−15 29 41.2	....
30	λ Ursæ Minoris s. p.	9	10 43.83	+ 6.56	+15.31	307 53 47.45	44.057	− 2.84	−1 16.7	19 11 5.70	.....	+89 0 34.2	....
31	ε Draconis s. p.	9	48 12.69	+ 0.44	+15.32	288 55 48.98	48.060	− 2.84	−2 52.1	19 48 28.45	.....	+70 2 31.9	....
32	4 B. Ursæ Minoris	8	8 12.21	− 6.17	+15.32	309 57 47.58	47.327	− 2.84	−1 11.2	8 8 21.36	.....	+88 54 5.1	....
33	κ Cephei s. p.	5	11 40.56	+ 0.64	+15.32	296 19 50.68	46.012	− 2.84	−2 0.1	20 11 56.52	.....	+77 26 38.9	....
34	Mercury II, C.	9	6 40.86	+ 0.05	+15.35	43 39 53.62	44.046	− 1.66	+ 56.2	13 6 56.26	− 0.23	− 4 48 54.4	....
	October 29, P.												
35	Sun I, N.	9	11 56.92	+ 0.05	+15.36	51 57 54.80	47.052	− 1.76	+1 15.0	14 12 12.33	+66.67	−13 8 23.3	....
36	Sun II, S.	9	14 10.25	+ 0.05	+15.36	52 29 53.32	47.790	− 1.76	+1 16.5	14 14 25.66	−66.66	−13 40 39.4	....
37	Venus I, C.	9	16 6.53	− 0.03	+15.38	64 29 53.98	48.298	− 2.60	+2 2.2	17 16 21.88	+ 0.69	−25 41 36.9	....
38	σ Ophiuchi	9	21 45.11	− 0.04	[**+15.38**]	34 37 53.05	44.662	− 2.60	+ 40.4	17 22 0.45	.....	+ 4 13 8.8	....
39	β Ophiuchi	9	38 43.83	− 0.04	[**+15.39**]	34 13 52.60	46.855	− 2.60	+ 39.8	17 38 59.17	.....	+ 4 36 19.7	....
40	ν Ophiuchi	9	53 46.41	− 0.03	[**+15.38**]	48 35 52.38	46.065	− 2.60	+1 6.2	17 54 1.77	.....	− 9 45 48.3	....
41	η Serpentis	9	16 21.47	− 0.03	[**+15.38**]	41 45 52.10	45.492	− 2.60	+ 52.2	18 16 36.83	.....	− 2 55 21.0	....
42	3 H. Scuti	9	30 0.93	− 0.03	[**+15.34**]	47 7 52.70	47.970	− 2.60	+1 3.0	18 30 16.29	.....	− 8 18 29.0	....
43	θ Serpentis	9	51 27.28	− 0.04	[**+15.38**]	34 45 51.10	44.655	− 2.60	+ 40.6	18 51 42.63	.....	+ 4 5 10.7	....
44	ε Draconis	9	48 13.03	− 0.27	+15.40	328 49 50.35	44.487	− 2.60	− 35.4	19 48 28.16	.....	+70 2 31.2	....
45	κ Cephei	9	11 41.34	− 0.45	+15.40	321 25 50.52	44.725	− 2.60	− 46.7	20 11 56.29	.....	+77 26 36.9	....
46	32 Vulpeculæ	9	50 26.83	− 0.07	**+15.41**	11 7 51.85	46.438	− 2.60	+ 11.7	20 50 42.17	.....	+27 42 58.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 2 46	......	....	36.0
3 6	......	....	36.0
3 20	29.960	36.9	35.4
4 11	29.968	36.4	35.0
4 52	29.960	36.0	35.0
5 18	......	....	35.0
5 41	29.954	36.1	35.1
6 9	......	....	34.6
6 21	......	....	34.4
6 44	29.960	36.0	35.2
7 9	......	....	35.0
7 50	29.960	36.5	35.3
8 17	29.964	36.2	35.0
13 5	30.011	44.8	44.0
29 14 14	29.996	45.9	45.8
17 14	29.944	48.0	47.2
17 30	......	....	47.2
17 50	......	....	47.2
18 20	29.940	47.5	47.0
18 53	29.940	47.0	46.1
19 46	......	....	44.5
20 14	29.950	44.8	43.8
20 48	......	....	43.0

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 19, 29. Bisections at I, II.
11. Bisections at I, VI.
17, 25, 30, 32. Bisections at b_4, b_5, b_6.
28. Bisections at b_1, b_2, b_3.
31, 44, 45. Bisections at III, IV, V.
33. Bisections at b_1, b_3, b_5.
34, 37. Bisections at I, II, VI, VII.
35. Bisections at I, II, III.
36. Bisections at V, VI, VII.
46. Bisections at II, VI, VII.

Note.

43. Micrometer reading decreased 2 rev.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
34	+ 5.9	.. ....	+ 0.5	+ 6.4
35	+ 7.0	−16 8.1	...	−16 1.1
36	+ 7.0	+16 8.0	...	+16 15.0
37	+ 8.6	.. ....	0.0	+ 8.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Cygni	9	8 49.82	− 0.07	**+15.40**	8 59 51.00	45.115	− 2.60	+ 9.4	21 9 5.16	.....	+29 51 31.4	....
2	α Equulei	9	11 2.83	− 0.05	**+15.40**	33 57 51.28	46.488	− 2.60	+ 39.8	21 11 18.19	.....	+ 4 52 29.5	....
3	ε Pegasi	9	39 29.45	− 0.05	**+15.38**	29 23 53.45	43.482	− 2.60	+ 33.4	21 39 44.81	.....	+ 9 27 42.4	....
4	16 Pegasi	9	48 41.58	− 0.07	**+15.45**	13 21 51.70	43.255	− 2.60	+ 14.1	21 48 56.92	.....	+25 30 8.6	....
5	ι Pegasi	9	2 32.83	− 0.06	**+15.50**	13 57 58.90	42.550	− 2.60	+ 14.8	22 2 48.18	.....	+24 54 21.8	....
6	θ Pegasi	9	5 23.28	− 0.05	**+15.34**	33 5 51.80	44.512	− 2.60	+ 38.6	22 5 38.64	.....	+ 5 45 15.3	....
	October 29, L.												
7	ε Piscium	9	58 0.50	− 0.05	**+15.37**	31 25 54.12	46.968	− 2.52	+ 36.4	0 58 15.83	.....	+ 7 24 19.0	....
8	ζ¹ Piscium	9	8 45.90	− 0.04	**+15.41**	31 45 53.70	42.652	− 2.52	+ 36.9	1 9 1.24	.....	+ 7 5 57.5	....
9	Saturn I, C	5	12 10.90	− 0.04	+15.37	34 9 54.12	48.595	− 2.52	+ 40.4	1 12 26.23	+ 0.70	+ 4 41 13.0	....
10	Saturn II	5	12 12.30	− 0.04	+15.37	... .	......	....	. ....	1 12 27.63	− 0.70	.. ..	....
11	η Piscium	9	26 24.17	− 0.04	**+15.36**	23 57 54.68	45.808	− 2.52	+ 26.5	1 26 39.51	.....	+14 52 54.8	....
12	π Piscium	9	32 3.81	− 0.04	**+15.34**	27 9 54.12	45.735	− 2.52	+ 30.6	1 32 19.15	.....	+11 40 52.9	....
13	ν Piscium	9	36 29.06	− 0.04	**+15.40**	33 47 53.80	47.830	− 2.52	+ 39.9	1 36 44.40	.....	+ 5 1 56.1	....
14	ζ Ceti	9	46 45.61	− 0.04	**+15.32**	49 37 56.25	43.078	− 2.52	+1 10.0	1 47 0.95	.....	−10 46 47.8	....
15	ξ Piscium	9	48 38.01	− 0.04	**+15.40**	36 5 55.52	45.855	− 2.52	+ 43.5	1 48 53.35	.....	+ 2 44 35.9	....
16	δ Arietis	9	6 12.97	− 0.03	**+15.41**	19 27 54.30	45.255	− 2.52	+ 21.2	3 6 28.33	.....	+19 23 13.1	....
17	ζ Arietis	9	9 27.67	− 0.03	**+15.43**	18 7 54.05	46.698	− 2.52	+ 19.6	3 9 43.03	.....	+20 42 42.0	....
18	ξ Tauri	9	22 1.59	− 0.02	**+15.43**	29 25 55.18	44.698	− 2.52	+ 33.8	3 22 16.96	.....	+ 9 25 12.4	....
19	f Tauri	9	25 38.27	− 0.02	**+15.46**	26 13 54.92	43.450	− 2.52	+ 29.5	3 25 53.64	.....	+12 37 45.4	....
20	Moon II, N	9	32 14.89	− 0.02	+15.39	21 3 54.80	44.956	− 2.52	+ 23.1	3 32 30.26	−72.50	+17 47 17.6	....
21	η Tauri	9	41 52.03	− 0.02	**+15.39**	15 1 54.00	44.305	− 2.52	+ 16.1	3 42 7.41	.....	+23 49 40.2	....
22	λ Tauri	9	55 25.66	0.00	**+15.42**	26 35 54.38	47.440	− 2.24	+ 30.0	3 55 41.06	.....	+12 14 14.0	....
23	A Tauri	8	59 6.35	− 0.01	**+15.43**	17 1 53.30	42.760	− 2.24	+ 18.4	3 59 21.74	.....	+21 50 13.6	....
24	γ Orionis	9	20 2.08	+ 0.01	**+15.44**	32 33 53.65	47.050	− 2.24	+ 38.4	5 20 17.50	.....	+ 6 16 15.3	....
25	δ Orionis	9	27 8.52	+ 0.02	**+15.34**	39 11 56.05	46.552	− 2.24	+ 48.9	5 27 23.95	.....	− 0 21 46.2	....
26	α Leporis	9	28 29.93	+ 0.02	**+15.35**	56 41 53.42	47.978	− 2.24	+1 31.2	5 28 45.36	.....	−17 52 58.4	....
27	ι Orionis	9	30 45.87	+ 0.02	**+15.38**	44 47 55.18	46.565	− 2.24	+ 59.6	5 31 1.30	.....	− 5 57 56.3	....
28	ζ Orionis	9	35 56.98	+ 0.02	**+15.42**	40 49 53.45	45.082	− 2.24	+ 51.8	5 36 12.41	.....	− 1 59 12.9	....
29	κ Orionis	9	43 13.31	+ 0.02	**+15.40**	48 31 54.25	46.068	− 2.24	+1 7.9	5 43 28.74	.....	− 9 41 52.3	....
30	α Orionis	9	50 1.77	+ 0.02	**+15.38**	31 27 53.75	43.618	− 2.24	+ 36.7	5 50 17.20	.....	+ 7 23 35.3	....
31	δ Ursæ Minoris S. P.	9	0 56.44	+ 2.26	+15.41	305 29 50.88	45.458	− 2.24	−1 23.6	18 1 14.11	.....	+86 37 3.5	....
32	8 Monocerotis	9	18 43.61	+ 0.02	**+15.44**	34 11 54.95	46.250	− 2.24	+ 40.7	6 18 59.05	.....	+ 4 38 30.0	....
33	α Canis Majoris	9	40 54.69	+ 0.04	+15.42	55 25 53.42	43,654	− 2.24	+1 26.8	6 41 10.15	.....	−16 35 15.2	....
34	γ Canis Majoris	9	59 24.91	+ 0.04	**+15.41**	54 19 53.38	44.941	− 2.24	+1 23.5	6 59 40.37	.....	−15 29 41.3	....
	October 30, L.												
35	Sun I, N	9	15 49.77	+ 0.03	+15.47	52 17 54.80	46.580	− 1.66	+1 15.4	14 16 5.27	+66.61	−13 28 13.0	....
36	Sun II, S	9	18 2.99	+ 0.03	+15.47	52 49 53.20	47.303	− 1.66	+1 16.9	14 18 18.49	−66.61	−14 0 28.7	....
37	β Ophiuchi	9	38 43.62	− 0.05	[**+15.60**]	34 13 53.85	46.850	− 3.08	+ 39.3	17 38 59.07	.....	+ 4 36 19.6	....
38	ν Ophiuchi	9	53 46.28	− 0.04	[**+15.51**]	48 35 54.58	45.981	− 3.08	+1 5.4	17 54 1.74	.....	− 9 45 47.3	....
39	η Serpentis	9	16 21.35	− 0.05	[**+15.50**]	41 45 54.35	45.426	− 3.08	+ 51.5	18 16 36.81	.....	− 2 55 20.5	....
40	θ Serpentis	9	51 27.12	− 0.05	[**+15.54**]	34 45 54.00	44.596	− 3.08	+ 40.0	18 51 42.58	.....	+ 4 5 10.3	....
41	δ Draconis	9	12 15.47	− 0.24	+15.51	331 21 52.25	44.560	− 3.08	− 31.4	19 12 30.74	.....	+67 30 24.0	....
42	ε Draconis	9	48 12.68	− 0.27	+15.52	328 49 51.02	44.448	− 3.08	− 34.9	19 48 27.93	.....	+70 2 31.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 21 15	29.953	43.2	42.5
21 42	......	....	41.0
22 7	29.946	41.4	41.0
0 59	29.956	39.2	38.7
1 14	......	....	38.3
1 30	......	....	38.0
1 49	......	....	37.9
3 4	29.960	37.2	36.4
3 20	......	....	36.2
3 32	......	....	36.0
4 0	29.960	37.0	35.9
5 21	29.966	36.2	34.9
5 36	......	....	35.3
5 51	......	....	34.8
6 4	......	....	34.9
6 19	29.970	36.1	35.7
6 42	......	....	35.9
7 0	29.980	36.1	35.2
30 14 18	30.040	49.6	49.7
17 39	29.980	53.9	54.5
17 55	......	....	54.3
18 17	......	....	54.4
18 52	29.974	53.6	54.0
19 14	......	....	53.4

Micrometer bisections are made at II, VI, except as noted below.

3. Bisections at II, VI, VII.
9. Z. D. threads C used.
9, 33, 34, 38–40. Bisections at I, II, VI, VII.
20. Bisections at II, III, IV, V, VI.
31. Bisections at b_4, b_5, b_6.
35. Bisections at I, II, III.
36. Bisections at V, VI, VII.
41. Bisections at II, III, V, VI.
42. Bisections at III, V.

Note.
26, 33. Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 0.6	.. ....	...	+ 0.6
20	+21 38.0	−16 32.5	...	+ 5 5.5
35	+ 7.0	−16 7.8	...	−16 0.8
36	+ 7.0	+16 7.9	...	+16 14.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	4 B. Ursæ Minoris s. p. ..	5	8 2.36	+ 5.84	+15.52	307 45 55.00	47.662	− 3.08	−1 14.4	8 8 23.72	.....	+88 54 6.3	....
2	κ Cephei	9	11 41.03	− 0.46	+15.52	321 25 51.52	44.652	− 3.08	− 46.1	20 11 56.09	.....	+77 26 37.4	....
	October 30, P.												
3	ε Piscium	9	58 0.32	− 0.07	+15.57	31 25 52.00	47.122	− 3.00	+ 35.9	0 58 15.86	.....	+ 7 24 18.6	....
4	ζ¹ Piscium	9	8 45.74	− 0.07	+15.60	31 45 51.68	42.815	− 3.00	+ 36.4	1 9 1.28	.....	+ 7 5 56.8	....
5	Saturn I, C	5	11 54.34	− 0.07	+15.61	34 11 52.98	47.546	− 3.00	+ 39.9	1 12 9.88	+ 0.75	+ 4 39 39.1	....
6	Saturn II	5	11 55.84	− 0.07	+15.61	... .	......	....	. ....	1 12 11.38	− 0.75	.. ..	....
7	π Piscium	9	32 3.62	− 0.07	+15.57	27 9 53.08	45.840	− 3.00	+ 30.2	1 32 19.17	.....	+11 40 52.5	....
8	ν Piscium	9	36 28.92	− 0.07	+15.58	33 47 52.22	47.970	− 3.00	+ 39.4	1 36 44.47	.....	+ 5 1 55.5	....
9	α Trianguli	9	47 40.94	− 0.09	+15.61	9 43 51.20	42.668	− 3.00	+ 10.1	1 47 56.47	.....	+29 8 26.6	....
10	β Arietis	9	49 24.01	− 0.08	+15.58	18 29 50.60	43.172	− 3.00	+ 19.7	1 49 39.55	.....	+20 22 6.4	....
11	ξ¹ Ceti	9	7 57.77	− 0.07	+15.62	30 25 53.05	44.058	− 3.00	+ 34.6	2 8 13.32	.....	+ 8 25 28.8	....
12	ν Ceti	9	30 53.11	− 0.07	+15.59	33 39 52.75	42.338	− 3.00	+ 39.2	2 31 8.66	.....	+ 5 12 3.8	....
13	δ Ceti	9	34 36.30	− 0.07	+15.60	38 53 52.80	46.260	− 3.00	+ 47.5	2 34 51.85	.....	− 0 3 34.1	....
14	γ Ceti	6	38 22.38	− 0.07	+15.55	35 59 52.55	43.802	− 0.30	+ 42.8	2 38 37.93	.....	+ 2 51 24.4	....
15	41 Arietis	9	44 24.99	− 0.09	+15.64	11 57 51.00	45.338	− 3.00	+ 12.5	2 44 40.52	.....	+26 53 23.7	....
16	ε Arietis (*mean*)	9	53 47.78	− 0.08	+15.64	17 51 51.90	46.435	− 3.00	+ 19.0	2 54 3.33	.....	+20 58 51.2	....
17	α Ceti	9	57 18.56	− 0.07	+15.60	35 5 52.48	47.030	− 3.00	+ 41.4	2 57 34.12	.....	+ 3 44 14.7	....
18	δ Arietis	9	6 12.79	− 0.08	+15.66	19 27 53.72	45.348	− 3.00	+ 20.9	3 6 28.34	.....	+19 23 12.3	....
19	ζ Arietis	9	9 27.56	− 0.08	+15.60	18 7 52.28	46.825	− 3.00	+ 19.4	3 9 43.11	.....	+20 42 41.5	....
20	ο Tauri	9	19 42.17	− 0.07	+15.62	30 7 53.25	45.882	− 3.00	+ 34.2	3 19 57.73	.....	+ 8 42 47.3	....
21	ξ Tauri	9	22 1.42	− 0.07	+15.66	29 25 52.22	44.975	− 3.00	+ 33.3	3 22 16.98	.....	+ 9 25 10.0	....
22	f Tauri	9	25 38.17	− 0.08	+15.63	26 13 53.85	43.565	− 3.00	+ 29.1	3 25 53.72	.....	+12 37 44.7	....
23	η Tauri	9	41 51.83	− 0.08	+15.67	15 1 52.22	44.438	− 3.24	+ 15.9	3 42 7.38	.....	+23 49 39.8	....
24	λ Tauri	9	55 25.47	− 0.07	+15.70	26 35 53.20	47.540	− 3.24	+ 29.6	3 55 41.03	.....	+12 14 14.3	....
25	ο¹ Eridani	9	7 12.40	− 0.07	+15.71	45 53 53.18	47.382	− 3.24	+1 0.9	4 7 27.96	.....	− 7 4 13.3	....
26	ο² Eridani	9	10 51.97	− 0.07	+15.64	46 37 53.12	45.305	− 3.24	+1 2.4	4 11 7.53	.....	− 7 47 27.3	....
27	γ Tauri	9	14 24.10	− 0.08	+15.65	23 25 53.82	46.482	− 3.24	+ 25.6	4 14 39.66	.....	+15 24 41.9	....
28	Moon II, N	9	34 44.68	− 0.08	+15.64	16 39 51.60	45.993	− 3.24	+ 17.7	4 35 0.24	−73.65	+22 11 3.2	....
29	ε Ursæ Minoris s. p.	9	54 49.13	+ 0.85	+15.64	301 3 47.62	47.130	− 3.24	−1 37.2	16 55 5.62	.....	+82 11 23.7	....
30	β Tauri	9	20 19.67	− 0.09	+15.70	10 19 52.28	43.905	− 3.24	+ 10.8	5 20 35.22	.....	+28 31 57.1	....
31	ζ Tauri	9	31 59.54	− 0.08	+15.64	17 45 53.85	45.060	− 3.24	+ 19.0	5 32 15.10	.....	+21 5 20.9	....
32	δ Ursæ Minoris s. p.	9	0 56.89	+ 1.91	+15.65	305 29 49.20	45.510	− 3.24	−1 22.5	18 1 14.45	.....	+86 37 3.1	....
33	β Canis Majoris	9	18 28.00	− 0.07	+15.68	56 43 53.32	46.595	− 3.24	+1 30.1	6 18 43.58	.....	−17 54 24.6	....
34	51 H. Cephei	9	58 22.33	− 2.23	+15.65	311 41 49.88	43.740	− 3.45	−1 6.1	6 58 35.75	.....	+87 11 20.3	....
35	λ Ursæ Minoris s. p.	9	10 41.11	+ 6.45	+15.66	307 53 50.38	43.890	− 3.45	−1 15.6	19 11 3.22	.....	+89 0 33.8	....
36	4 B. Ursæ Minoris	8	8 12.14	− 5.76	+15.66	309 57 51.70	47.153	− 3.45	−1 10.3	8 8 22.04	.....	+88 54 4.6	....
	October 31, M.												
37	γ Orionis	9	20 1.96	− 0.24	+15.85	32 33 51.92	47.305	− 3.24	+ 36.9	5 20 17.58	.....	+ 6 16 13.7	....
38	δ Orionis	9	27 8.33	− 0.24	+15.84	39 11 53.32	46.878	− 3.24	+ 47.1	5 27 23.95	.....	− 0 21 48.2	....
39	ζ Tauri	9	31 59.53	− 0.24	+15.84	17 45 51.22	45.222	− 3.24	+ 18.5	5 32 15.15	.....	+21 5 20.3	....
40	Moon II, N	9	38 25.83	− 0.25	+15.86	13 55 50.75	43.656	− 3.24	+ 14.4	5 38 41.44	−74.01	+24 56 0.7	....
41	κ Orionis	9	43 13.21	− 0.25	+15.81	48 31 52.68	46.360	− 3.24	+1 5.4	5 43 28.82	.....	− 9 41 53.9	....
42	α Orionis	9	50 1.63	− 0.24	+15.84	31 27 52.05	43.880	− 3.24	+ 35.4	5 50 17.25	.....	+ 7 23 33.3	....
43	ν Orionis	9	2 9.49	− 0.23	+15.90	24 3 52.15	46.080	− 3.24	+ 25.8	6 2 25.13	.....	+14 46 52.5	....
44	η Geminorum	9	9 10.11	− 0.24	+15.92	16 17 51.15	48.635	− 3.24	+ 17.0	6 9 25.74	.....	+22 32 3.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 19 51	......	....	51.7
20 13	29.970	50.7	50.9
0 56	29.944	46.2	45.0
1 20	......	....	44.2
1 40	......	....	44.0
2 0	29.928	45.0	43.4
2 47	......	....	42.9
3 0	29.912	44.0	42.6
3 17	......	....	42.5
3 39	......	....	42.0
4 0	29.904	43.1	42.0
4 20	......	....	41.8
4 40	......	....	41.9
5 0	29.893	42.8	41.5
5 24	......	....	41.3
5 40	......	....	41.0
6 4	29.887	42.0	40.0
6 21	......	....	40.0
6 53	......	....	40.0
7 16	29.886	41.9	40.5
8 13	29.894	41.0	39.9
31 5 20	[illegible]	53.2	53.2
5 38	......	....	52.4
6 2	29.932	52.8	52.7

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at b_5, b_6.
2, 29. Bisections at III, IV, V.
5. Z. D. threads C used.
5. Bisections at I, II, VI, VII.
9. Bisections at I, II.
10. Bisections at II, VII.
14. Bisections at VI, VI..
28, 40. Bisections at II, III, IV, V, VI.
32, 34–36. Bisections at b_4, b_5, b_6.

Note.

14. Two microscopes used.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 0.6	.. ....	...	+ 0.6
28	+17 0.9	−16 19.8	...	+ 0 41.1
40	+14 1.3	−16 4.2	...	− 2 2.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	8 Monocerotis	9	18 43.47	− 0.24	**+15.89**	34 11 52.25	46.515	− 3.24	+ 39.3	6 18 59.10	.....	+ 4 38 29.0	....
2	ν Geminorum	9	23 20.54	− 0.24	**+15.86**	18 33 52.02	48.008	− 3.24	+ 19.5	6 23 36.17	.....	+20 16 14.9	....
3	α Canis Majoris	9	40 54.58	− 0.26	+15.87	55 25 51.95	43.950	− 3.24	+1 23.9	6 41 10.19	.....	−16 35 16.6	....
4	ζ Geminorum	9	58 29.51	− 0.24	**+15.89**	18 7 52.35	47.982	− 3.24	+ 19.0	6 58 45.14	.....	+20 42 15.4	....
5	γ Canis Majoris	9	59 24.79	− 0.26	**+15.89**	54 19 51.22	45.290	− 3.24	+1 20.6	6 59 40.40	.....	−15 29 43.0	....
6	λ Ursæ Minoris s. p.	6	10 39.78	+ 5.21	+15.87	307 53 51.80	43.708	− 3.24	−1 14.1	19 11 0.86	.....	+89 0 32.8	....
7	ε Draconis s. p.	9	48 11.77	+ 0.16	+15.88	288 55 51.70	47.673	− 3.24	−2 46.8	19 48 27.81	.....	+70 2 30.7	....
8	4 B. Ursæ Minoris	8	8 14.51	− 4.91	+15.88	309 57 54.98	46.952	− 3.24	−1 9.1	8 8 25.48	.....	+88 54 4.5	....
9	κ Cephei s. p.	7	11 39.72	+ 0.32	+15.88	296 19 53.85	45.735	− 3.24	−1 56.6	20 11 55.92	.....	+77 26 38.8	....
10	76 Draconis s. p.	9	48 54.46	+ 0.57	+15.89	301 5 47.28	43.695	− 3.24	−1 36.1	20 49 10.92	.....	+82 12 6.0	....
11	1 H. Draconis	9	23 59.96	− 0.75	+15.89	317 7 54.70	48.110	− 3.24	− 53.9	9 24 15.10	.....	+81 43 23.1	....
	November 1, M.												
12	Sun I., S	9	23 37.47	− 0.21	+15.90	53 29 53.00	44.772	− 3.00	+1 15.8	14 23 53.16	+66.80	−14 39 29.0	....
13	Sun II, N	9	25 51.07	− 0.21	+15.90	52 57 52.75	44.283	− 3.00	+1 14.4	14 26 6.76	−66.80	−14 7 15.4	....
14	ε Ursæ Minoris	9	54 50.77	− 1.10	+15.92	316 39 53.08	48.148	− 5.42	− 51.9	16 55 5.59	.....	+82 11 24.2	....
15	σ Ophiuchi	9	21 44.73	− 0.29	[**+15.99**]	34 37 55.25	44.839	− 5.53	+ 38.3	17 22 0.39	.....	+ 4 13 7.6	....
16	Venus I, C	9	31 13.50	− 0.32	+15.92	64 49 53.80	50.185	− 5.60	+1 57.5	17 31 29.10	+ 0.71	−26 0 36.9	....
17	β Ophiuchi	9	38 43.47	− 0.29	[**+15.97**]	34 13 53.12	47.160	− 5.66	+ 37.8	17 38 59.13	.....	+ 4 36 17.3	....
18	ν Ophiuchi	9	53 46.08	− 0.30	[**+15.95**]	48 35 52.92	46.395	− 5.77	+1 2.9	17 54 1.73	.....	− 9 45 49.9	....
19	η Serpentis	9	16 21.18	− 0.29	[**+15.89**]	41 45 51.35	45.848	− 5.93	+ 49.5	18 16 36.84	.....	− 2 55 22.3	....
20	3 H. Scuti	9	30 0.54	− 0.30	[**+15.96**]	47 7 52.82	48.310	− 6.03	+ 59.8	18 30 16.20	.....	− 8 18 30.3	....
21	θ Serpentis	9	51 27.00	− 0.29	[**+15.87**]	34 45 52.28	44.905	− 6.12	+ 38.6	18 51 42.67	.....	+ 4 5 9.3	....
	November 1, P.												
22	Moon II, S	9	41 41.14	− 0.29	+15.97	13 27 50.50	47.404	− 5.51	+ 13.6	6 41 56.82	−73.26	+25 22 38.4	....
23	θ Geminorum	9	46 34.67	− 0.29	.....	4 45 50.05	48.840	− 5.51	+ 4.8	6 46	.....	+34 4 14.7	....
24	51 H. Cephei	9	58 23.89	− 2.03	+16.00	311 41 46.78	43.805	− 5.51	−1 3.3	6 58 37.86	.....	+87 11 21.2	....
25	λ Ursæ Minoris s. p.	8	10 34.55	+ 5.17	+16.01	307 53 49.12	43.883	− 5.51	−1 12.5	19 10 55.73	.....	+89 0 33.4	....
26	ρ Geminorum	9	23 2.41	− 0.29	.....	6 53 50.00	44.455	− 5.51	+ 6.9	7 23	.....	+31 57 53.9	....
27	α Geminorum (*fol.*)	9	28 34.58	− 0.29	.....	6 45 51.00	46.115	− 5.51	+ 6.8	7 28	.....	+32 5 14.1	....
28	κ Geminorum	9	38 43.91	− 0.28	**+16.01**	14 13 52.12	46.438	− 5.51	+ 14.4	7 38	.....	+24 36 57.8	....
29	β Geminorum	9	39 31.55	− 0.28	**+16.01**	10 35 50.15	47.372	− 5.51	+ 10.7	7 39	.....	+28 14 42.5	....
30	ω¹ Cancri	9	55 12.06	− 0.28	.....	13 11 50.28	47.858	− 5.51	+ 13.4	7 55	.....	+25 38 28.5	....
31	χ Geminorum	9	57 42.40	− 0.28	**+16.01**	10 47 48.80	46.870	− 5.51	+ 10.9	7 57	.....	+28 2 54.7	....
32	4 B. Ursæ Minoris	6	8 18.15	− 4.95	+16.01	309 57 47.92	47.243	− 5.51	−1 7.2	8 8 29.21	.....	+88 54 5.3	....
33	Mercury II, C	9	25 49.17	− 0.29	+16.02	45 35 50.82	45.285	− 5.23	+ 56.9	13 26 4.90	− 0.20	− 6 45 17.0	....
	November 2, P.												
34	Sun I, S	9	27 32.72	− 0.30	+16.03	53 47 53.28	47.977	− 5.11	+1 15.4	14 27 48.45	+67.02	−14 58 40.0	....
35	Sun II, N	9	29 46.76	− 0.30	+16.03	53 15 51.80	47.425	− 5.11	+1 14.0	14 30 2.49	−67.02	−14 26 23.7	....
36	β Ophiuchi	9	38 43.39	− 0.32	[**+16.07**]	34 13 50.65	47.240	− 5.79	+ 37.3	17 38	.....	+ 4 36 18.6	....
37	ν Ophiuchi	9	53 46.01	− 0.33	[**+16.04**]	48 35 51.58	46.475	− 5.83	+1 2.1	17 54	.....	− 9 45 49.6	....
38	η Serpentis	9	16 21.03	− 0.32	[**+16.06**]	41 45 50.68	45.881	− 5.90	+ 49.0	18 16	.....	− 2 55 21.9	....
39	3 H. Scuti	9	30 0.46	− 0.32	[**+16.05**]	47 7 51.60	48.430	− 5.94	+ 59.1	18 30	.....	− 8 18 31.0	....
40	4 B. Ursæ Minoris s. p.	4	8 5.45	+ 6.58	.....	307 45 48.12	47.928	− 6.23	−1 10.9	8 8	.....	+88 54 5.8	....
41	76 Draconis	8	48 55.80	− 1.11	.....	316 41 46.88	41.367	− 6.29	− 52.0	20 49	.....	+82 12 6.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
31 6 41	......	....	51.5
7 11	29.942	51.7	50.9
7 48	......	....	50.0
8 12	29.950	50.5	49.0
8 49	......	....	48.0
9 24	29.960	49.2	48.0
1 14 26	29.968	64.7	66.9
16 55	29.920	70.7	73.9
17 31	......	....	73.2
17 54	29.930	73.3	72.7
18 16	......	....	72.5
18 51	29.926	71.3	71.2
6 38	29.820	61.0	60.0
7 5	......	....	60.0
7 26	......	....	59.5
7 49	29.806	61.0	59.9
8 13	29.805	61.0	59.8
13 24	29.774	67.9	68.0
2 14 30	29.740	71.2	71.8
17 36	29.684	75.2	75.1
18 0	......	....	75.0
18 20	......	....	74.0
18 35	......	....	74.0
18 52	29.684	74.8	....
20 17	29.676	71.1	70.0
20 51	29.680	70.9	69.7

Micrometer bisections are made at II, VI, except as noted below.

4, 28, 31.	Bisections at I, II.
5, 29, 30, 39.	Bisections at VI, VII.
6, 8, 14, 24, 25, 32.	Bisections at b_4, b_5, b_6.
7, 10, 11, 41.	Bisections at III, IV, V.
9.	Bisections at III, IV.
12, 34.	Bisections at I, II, III.
13. 35.	Bisections at V, VI, VII.
15, 16, 33, 38.	Bisections at I, II, VI, VII.
16.	Z. D. threads C used.
22.	Bisections at II, III, IV, V, VI.
40.	Bisections at b_5, b_6.

Note.

25, 28–32, 40. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 7.1	+16 6.8	...	+16 13.9
13	+ 7.1	−16 6.8	...	−15 59.7
16	+ 8.9	.. ....	0.0	+ 8.9
22	+13 20.8	+15 47.6	...	+29 8.4
33	+ 5.6	.. ....	+ 0.3	+ 5.9
34	+ 7.1	+16 8.1	...	+16 15.2
35	+ 7.1	−16 8.2	...	−16 1.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 2, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury II, C.	9	31 5.80	− 0.19	+16.14	46 9 54.28	43.845	− 4.62	+ 58.9	13 31 21.75	− 0.20	− 7 18 50.2	....
	November 3, L.												
2	Sun I, S.	9	31 28.43	− 0.20	+16.15	54 7 52.18	45.083	− 4.64	+1 18.0	14 31 44.38	+67.18	−15 17 35.8	....
3	Sun II, N.	9	33 42.80	− 0.20	+16.15	53 35 52.22	44.357	− 4.64	+1 16.4	14 33 58.75	−67.19	−14 45 16.9	....
	November 3, M.												
4	γ Orionis.	9	20 1.46	− 0.17	**+16.36**	32 33 50.40	47.412	− 4.83	+ 36.8	5 20 17.63	.....	+ 6 16 14.4	....
5	δ Orionis.	9	27 7.87	− 0.18	**+16.31**	39 11 52.10	46.950	− 4.81	+ 46.9	5 27 24.03	.....	− 0 21 47.0	....
6	α Leporis.	9	28 29.29	− 0.21	**+16.33**	56 41 51.88	48.365	− 4.80	+1 27.5	5 28 45.42	.....	−17 52 59.5	....
7	ζ Tauri.	9	31 59.08	− 0.16	**+16.30**	17 45 51.18	45.275	− 4.79	+ 18.5	5 32 15.26	.....	+21 5 20.7	....
8	ζ Orionis.	9	35 56.38	− 0.18	**+16.34**	40 49 50.50	45.470	− 4.77	+ 49.7	5 36 12.54	.....	− 1 59 14.2	....
9	κ Orionis.	9	43 12.72	− 0.19	**+16.32**	48 31 51.35	46.475	− 4.75	+1 5.1	5 43 28.87	.....	− 9 41 53.4	....
10	α Orionis.	9	50 1.11	− 0.17	**+16.37**	31 27 50.68	44.025	− 4.72	+ 35.2	5 50 17.28	.....	+ 7 23 33.2	....
11	ν Orionis.	9	2 9.03	− 0.16	**+16.37**	24 3 50.20	46.230	− 4.68	+ 25.7	6 2 25.21	.....	+14 46 52.6	....
12	η Geminorum.	9	9 9.67	− 0.15	**+16.36**	16 17 49.78	48.765	− 4.65	+ 16.9	6 9 25.86	.....	+22 32 3.8	....
13	β Canis Majoris.	9	18 27.63	− 0.21	**+16.30**	56 43 51.55	46.875	− 4.62	+1 27.6	6 18 43.76	.....	−17 54 25.4	....
14	ν Geminorum.	9	23 20.04	− 0.16	**+16.37**	18 33 49.92	48.175	− 4.60	+ 19.4	6 23 36.23	.....	+20 16 14.8	....
15	α Canis Majoris.	9	40 54.19	− 0.20	+16.35	55 25 51.75	44.058	− 4.54	+1 23.3	6 41 10.34	.....	−16 35 17.0	....
16	51 H. Cephei.	6	58 23.82	− 0.97	+16.35	311 41 51.12	43.557	− 4.47	−1 4.3	6 58 39.20	.....	+87 11 22.0	....
17	γ Canis Majoris.	9	59 24.33	− 0.20	**+16.38**	54 19 49.15	45.485	− 4.47	+1 20.1	6 59 40.48	.....	−15 29 43.6	....
18	λ Ursæ Minoris s. p.	6	10 35.12	+ 2.55	+16.35	307 53 55.20	43.593	− 4.43	−1 13.6	19 10 54.02	.....	+89 0 32.9	....
19	ε Draconis s. p.	9	48 11.20	+ 0.09	+16.36	288 55 54.22	47.567	− 4.29	−2 44.7	19 48 27.65	.....	+70 2 31.9	....
20	4 B. Ursæ Minoris.	6	8 16.87	− 2.40	+16.36	309 57 54.98	46.917	− 4.22	−1 7.9	8 8 30.83	.....	+88 54 5.1	....
21	κ Cephei s. p.	9	11 38.88	+ 0.16	+16.36	296 19 52.82	45.698	− 4.21	−1 54.5	20 11 55.40	.....	+77 26 38.0	....
22	Moon II, S.	9	40 9.91	− 0.15	+16.36	16 19 47.55	43.855	− 4.16	+ 16.8	8 40 26.12	−69.02	+22 31 57.9	....
23	76 Draconis s. p.	9	48 53.44	+ 0.28	+16.36	301 5 49.05	43.548	− 4.16	−1 34.0	20 49 10.08	.....	+82 12 5.7	....
24	1 H. Draconis.	9	23 59.70	− 0.37	+16.37	317 7 49.75	48.338	− 4.16	− 52.8	9 24 15.70	.....	+81 43 22.9	....
25	β Cephei s. p.	9	27 13.43	+ 0.09	+16.37	289 3 49.50	46.532	− 4.16	−2 43.1	21 27 29.89	.....	+70 10 5.3	....
26	Mercury C, C.	9	36 30.91	− 0.16	+16.42	46 43 48.58	46.050	− 4.07	+ 59.6	13 36 47.17	− 0.03	− 7 53 36.1	....
	November 4, M.												
27	Sun I, N.	9	35 24.97	− 0.17	+16.43	53 53 48.52	46.282	− 4.10	+1 16.6	14 35 41.23	+67.20	−15 3 58.7	....
28	Sun II, S.	9	37 39.37	− 0.17	+16.43	54 25 49.52	47.017	− 4.10	+1 18.1	14 37 55.63	−67.20	−15 36 17.2	....
29	β Ophiuchi.	9	38 42.85	− 0.19	[**+16.47**]	34 13 53.50	47.045	− 3.94	+ 38.0	17 38 59.13	.....	+ 4 36 17.6	....
30	η Serpentis.	9	16 20.49	− 0.20	[**+16.46**]	41 45 52.95	45.665	− 3.94	+ 50.0	18 16 36.77	.....	− 2 55 22.2	....
31	3 H. Scuti.	9	29 59.96	− 0.21	[**+16.42**]	47 7 53.95	48.138	− 3.94	+1 0.3	18 30 16.23	.....	− 8 18 30.0	....
32	θ Serpentis.	9	51 26.33	− 0.19	[**+16.40**]	34 45 52.82	44.792	− 3.94	+ 39.0	18 51 42.62	.....	+ 4 5 8.8	....
33	76 Draconis.	9	48 54.12	− 0.40	+16.50	316 39 52.75	46.312	− 3.94	− 53.5	20 49 10.22	.....	+82 12 6.6	....
34	1 H. Draconis s. p.	9	23 58.98	+ 0.24	+16.50	300 35 53.20	46.788	− 3.94	−1 35.8	9 24 15.72	.....	+81 43 22.3	....
35	β Cephei.	9	27 13.58	− 0.22	+16.50	328 41 51.58	45.557	− 3.94	− 34.6	21 27 29.86	.....	+70 10 6.2	....
	November 4, L.												
36	γ Orionis.	9	20 1.33	− 0.12	**+16.47**	32 33 54.20	47.148	− 4.17	+ 37.5	5 20 17.66	.....	+ 6 16 15.3	....
37	δ Orionis.	9	27 7.72	− 0.13	**+16.44**	39 11 57.80	46.615	− 4.15	+ 47.8	5 27 24.05	.....	− 0 21 46.4	....
38	α Leporis.	9	28 29.16	− 0.16	**+16.44**	56 41 54.28	48.108	− 4.15	+1 29.2	5 28 45.46	.....	−17 52 58.4	....
39	ι Orionis.	9	30 45.13	− 0.14	**+16.43**	44 47 56.80	46.630	− 4.14	+ 58.2	5 31 1.45	.....	− 5 57 56.1	....
40	ζ Orionis.	9	35 56.27	− 0.13	**+16.43**	40 49 55.32	45.135	− 4.13	+ 50.7	5 36 12.60	.....	− 1 59 13.0	....
41	κ Orionis.	9	43 12.58	− 0.14	**+16.44**	48 31 56.28	46.145	− 4.11	+1 6.4	5 43 28.90	.....	− 9 41 52.8	....
42	α Orionis.	9	50 1.01	− 0.11	**+16.43**	31 27 54.98	43.685	− 4.09	+ 35.9	5 50 17.36	.....	+ 7 23 35.2	....
43	δ Ursæ Minoris s. p.	9	0 54.83	+ 0.32	+16.46	305 29 53.42	45.307	− 4.06	−1 21.8	18 1 11.61	.....	+86 37 2.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 13 31	29.724	60.0	59.0
3 14 34	29.690	61.2	59.8
5 20	29.470	48.8	47.3
5 43	......	....	46.9
6 23	29.470	48.2	47.2
7 10	[illegible]	48.2	47.0
7 48	......	....	48.8
8 12	29.510	49.6	50.7
8 40	......	....	51.8
9 27	29.536	50.8	51.0
13 37	29.570	59.9	60.6
4 14 38	29.542	61.4	62.2
17 39	29.530	62.4	63.2
18 16	......	....	62.2
18 30	......	....	61.9
18 51	29.578	61.2	60.5
20 49	29.660	56.3	55.2
21 27	[illegible]	55.3	54.0
5 21	29.828	46.0	43.9
5 37	......	....	43.3
6 4	......	....	43.0

Micrometer bisections are made at II, VI, except as noted below.

1, 26, 30.	Bisections at I, II, VI, VII.
2, 27.	Bisections at I, II, III.
3, 28.	Bisections at V, VI, VII.
5.	Bisections at I, II.
10, 14.	Bisections at VI, VII.
16.	Bisections at b_1, b_2, b_3.
17.	Bisection at VII.
18, 20, 23–25, 33–35, 43.	Bisections at b_4, b_5, b_6.
19, 21	Bisections at III, IV, V.
22.	Bisections at II, III, IV, V, VI.

Notes.

13-19. Conditions very poor.
15, 16. Unsteady.
18, 43. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.5	.. ....	+ 0.3	+ 5.8
2	+ 7.2	+16 9.4	...	+16 16.6
3	+ 7.1	−16 9.4	...	−16 2.3
22	+15 36.2	+15 17.3	...	+30 53.5
26	+ 5.4	.. ....	+ 0.2	+ 5.6
27	+ 7.1	−16 9.2	...	−16 2.1
28	+ 7.2	+16 9.2	...	+16 16.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	8 Monocerotis	9	18 42.92	− 0.11	+**16.42**	34 11 56.40	46.290	− 4.02	+ 39.9	6 18 59.27	.....	+ 4 38 30.2	....
2	α Canis Majoris	9	40 54.07	− 0.14	+16.46	55 25 56.10	43.711	− 3.96	+1 25.2	6 41 10.39	.....	−16 35 15.9	....
3	51 H. Cephei	6	58 22.82	− 0.42	+16.47	311 41 52.95	43.618	− 3.91	−1 5.9	6 58 38.87	.....	+87 11 20.3	....
4	γ Canis Majoris	9	59 24.22	− 0.13	+**16.45**	54 19 55.15	45.058	− 3.91	+1 22.0	6 59 40.56	.....	−15 29 42.6	....
5	4 B. Ursæ Minoris	9	8 14.11	− 1.03	+16.48	309 57 55.85	47.028	− 3.72	−1 10.3	8 8 29.56	.....	+88 54 3.6	....
6	δ Cancri	9	39 16.42	− 0.06	+**16.48**	20 21 56.98	45.002	− 3.64	+ 22.1	8 39 32.84	.....	+18 29 16.4	....
7	ι Cancri	9	40 57.18	− 0.05	+**16.54**	9 45 55.52	45.105	− 3.63	+ 10.3	8 41 13.61	.....	+29 5 27.3	....
8	ζ Hydræ	9	50 20.35	− 0.08	+**16.52**	32 33 55.90	43.652	− 3.61	+ 37.9	8 50 36.75	.....	+ 6 17 32.6	....
9	α Cancri	8	53 16.01	− 0.07	+**16.51**	26 37 56.78	46.488	− 3.60	+ 29.8	8 53 32.42	.....	+12 12 34.9	....
10	κ Cancri	9	2 34.41	− 0.07	+**16.52**	27 47 55.40	47.862	− 3.58	+ 31.3	9 2 50.82	.....	+11 2 3.4	....
11	α Hydræ	9	22 51.91	− 0.09	+**16.48**	47 5 57.42	45.928	− 3.52	+1 3.8	9 23 8.30	.....	− 8 15 46.9	....
12	ξ Leonis	9	26 47.68	− 0.06	+16.48	27 7 56.40	47.698	− 3.51	+ 30.5	9 27 4.10	.....	+11 42 6.9	....
13	Moon II, S	9	33 40.37	− 0.05	+16.49	19 35 56.55	46.851	− 3.49	+ 21.2	9 33 56.81	−66.45	+19 14 35.4	....
14	Mercury II, C	9	42 3.94	− 0.05	+16.50	47 19 58.62	44.451	− 3.97	+1 3.2	13 42 20.39	− 0.19	− 8 29 13.3	....
	November 5, L.												
15	Sun I, N	4	39 22.34	− 0.06	+16.51	54 11 53.12	46.988	− 4.02	+1 20.4	14 39 38.79	+67.47	−15 22 23.3	....
16	Sun II, S	9	41 37.28	− 0.06	+16.51	54 43 52.72	47.853	− 4.02	+1 22.0	14 41 53.73	−67.47	−15 54 43.5	....
17	σ Ophiuchi	9	21 43.89	− 0.10	[+**16.61**]	34 37 52.75	44.760	− 3.87	+ 39.8	17 22 0.30	.....	+ 4 13 8.7	....
18	β Ophiuchi	9	38 42.69	− 0.10	[+**16.53**]	34 13 53.08	46.949	− 3.87	+ 39.2	17 38 59.10	.....	+ 4 36 19.0	....
19	ν Ophiuchi	9	53 45.34	− 0.12	[+**16.48**]	48 35 53.32	46.106	− 3.87	+1 5.3	17 54 1.73	.....	− 9 45 48.0	....
20	η Serpentis	9	16 20.32	− 0.11	[+**16.53**]	41 45 51.55	45.602	− 3.87	+ 51.4	18 16 36.72	.....	− 2 55 20.9	....
21	3 H. Scuti	9	29 59.78	− 0.12	[+**16.50**]	47 7 53.08	48.055	− 3.87	+1 2.1	18 30 16.18	.....	− 8 18 29.1	....
22	θ Serpentis	9	51 26.13	− 0.10	[+**16.50**]	34 45 53.10	44.692	− 3.87	+ 40.0	18 51 42.55	.....	+ 4 5 9.7	....
23	32 Vulpeculæ	9	50 25.57	− 0.07	+**16.54**	11 7 50.98	46.510	− 3.87	+ 11.5	20 50 42.03	.....	+27 42 58.8	....
24	ζ Cygni	9	8 48.54	− 0.07	+**16.55**	8 59 52.60	45.095	− 3.87	+ 9.2	21 9 5.01	.....	+29 51 31.8	....
25	α Equulei	9	11 1.67	− 0.10	+**16.50**	33 57 52.12	46.545	− 3.87	+ 39.1	21 11 18.11	.....	+ 4 52 29.3	....
26	ξ Aquarii	9	32 39.94	− 0.12	+**16.53**	47 5 53.00	45.765	− 3.87	+1 2.6	21 32 56.36	.....	− 8 15 37.2	....
27	ε Pegasi	9	39 28.22	− 0.09	+**16.55**	29 23 52.30	43.662	− 3.87	+ 32.8	21 39 44.67	.....	+ 9 27 41.3	....
28	16 Pegasi	9	48 40.39	− 0.07	+**16.53**	13 21 51.22	43.322	− 3.87	+ 13.9	21 48 56.86	.....	+25 30 9.0	....
29	ι Pegasi	9	2 31.69	− 0.07	+**16.55**	13 57 51.82	42.695	− 3.87	+ 14.6	22 2 48.16	.....	+24 54 21.9	....
30	θ Pegasi	9	5 22.02	− 0.10	+**16.56**	33 5 51.60	44.610	− 3.87	+ 38.1	22 5 38.46	.....	+ 5 45 15.0	....
	November 10, L.												
31	Sun I, N	9	59 22.84	− 0.13	+17.40	55 40 21.18	45.488	+ 4.84	+1 26.2	14 59 40.11	+67.96	−16 50 31.7	....
32	Sun II, S	9	1 38.76	− 0.13	+17.40	56 12 21.00	46.365	+ 4.84	+1 28.0	15 1 56.03	−67.96	−17 22 52.7	....
33	4 B. Ursæ Minoris S. P.	5	8 22.82	− 1.48	+17.42	307 45 51.58	47.923	− 4.12	−1 15.4	8 8 38.76	.....	+88 54 6.7	....
34	ζ Cygni	9	8 47.53	− 0.02	+**17.42**	8 59 55.68	44.965	− 4.12	+ 9.4	21 9 4.94	.....	+29 51 31.5	....
35	α Equulei	9	11 0.63	− 0.07	+**17.44**	33 57 56.35	46.380	− 4.12	+ 39.7	21 11 17.99	.....	+ 4 52 28.5	....
36	ι Capricorni	9	16 55.42	− 0.13	+**17.39**	56 3 55.28	43.651	− 4.12	+1 27.4	21 17 12.73	.....	−17 13 15.7	....
37	1 H. Draconis S. P.	9	23 59.59	− 0.16	+17.44	300 35 52.50	46.983	− 4.12	−1 38.9	9 24 16.87	.....	+81 43 22.6	....
38	ξ Aquarii	9	32 38.96	− 0.10	+**17.42**	47 5 56.70	45.580	− 4.12	+1 3.4	21 32 56.30	.....	− 8 15 37.4	....
39	γ Capricorni	9	34 47.67	− 0.13	+**17.40**	55 53 56.32	46.430	− 4.12	+1 26.9	21 35 4.98	.....	−17 4 19.8	....
40	ε Pegasi	9	39 27.22	− 0.06	+**17.45**	29 23 56.52	43.458	− 4.12	+ 33.2	21 39 44.60	.....	+ 9 27 41.4	....
41	δ Capricorni	9	41 45.87	− 0.13	+**17.37**	55 21 56.05	46.552	− 4.12	+1 25.2	21 42 3.18	.....	−16 32 20.5	....
42	μ Capricorni	9	48 4.85	− 0.12	+**17.35**	52 47 56.45	47.810	− 4.12	+1 17.6	21 48 22.17	.....	−13 58 42.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 6 17	29.828	45.1	43.0
6 42	......	....	42.0
7 2	29.840	43.9	41.2
8 10	29.866	41.3	39.0
8 35	......	....	38.7
8 54	......	....	39.1
9 4	......	....	39.9
9 21	......	....	39.3
9 34	29.906	40.3	39.0
13 42	30.008	50.1	49.3
5 14 42	30.00	52.1	51.5
17 22	29.992	55.2	55.2
17 39	......	....	55.5
17 54	......	....	55.4
18 17	......	....	55.3
18 31	......	....	55.1
18 52	30.016	55.1	54.9
20 48	30.038	52.8	52.9
21 12	......	....	52.4
21 49	......	....	50.3
22 6	30.054	50.3	49.0
10 15 2	30.400	50.2	49.9
20 9	30.334	51.9	51.1
21 7	30.330	50.2	49.7
21 18	......	....	49.4
21 43	......	....	49.1

Micrometer bisections are made at II, VI, except as noted below.

2, 14, 17–22, 36. Bisections at I, II, VI, VII.
3. Bisections at b_3, b_4, b_5.
5, 33. Bisections at b_4, b_5, b_6.
13. Bisections at II, III, IV, V, VI.
15, 31. Bisections at I, II, III.
16, 32. Bisections at V, VI, VII.
29. Bisection at II.
34, 38, 40. Bisections at I, II.
37. Bisections at III, IV, V.
39. Bisections at I, II, VI.
41. Bisections at II, VI, VII.

Notes.

5. Unsteady.
17, 19, 21, 33. Very faint.
37. Micrometer reading decreased 1 rev.
42. Circle reading decreased 3°.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+18 24.9	+15 5.3	...	+33 30.2
14	+ 5.4	.. ....	+ 0.2	+ 5.6
15	+ 7.2	−16 10.1	...	−16 2.9
16	+ 7.2	+16 10.1	...	+16 17.3
31	+ 7.3	−16 10.4	...	−16 3.1
32	+ 7.4	+16 10.5	...	+16 17.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Aquarii	9	1 16.14	− 0.12	+17.38	53 7 55.98	47.416	− 4.12	+1 18.6	22 1 33.46	.....	−14 18 33.7	....
2	θ Pegasi	9	5 21.02	− 0.07	+17.47	33 5 55.35	44.440	− 4.12	+ 38.4	22 5 38.39	.....	+ 5 45 15.1	....
	November 10, M.												
3	γ Orionis	9	20 0.21	− 0.04	+17.65	32 33 54.40	47.197	− 3.85	+ 38.0	5 20 17.78	.....	+ 6 16 13.3	....
4	δ Orionis	9	27 6.59	− 0.06	+17.63	39 11 54.45	46.815	− 3.85	+ 48.5	5 27 24.14	.....	− 0 21 48.8	....
5	α Leporis	9	28 28.11	− 0.10	+17.56	56 41 54.52	48.160	− 3.85	+1 30.3	5 28 45.62	.....	−17 53 1.2	....
6	ζ Tauri	7	31 57.79	− 0.01	+17.62	17 45 53.85	45.142	− 3.85	+ 19.1	5 32 15.39	.....	+21 5 20.7	....
7	ζ Orionis	9	35 55.13	− 0.06	+17.64	40 49 53.65	45.235	− 3.85	+ 51.3	5 36 12.68	.....	− 1 59 14.5	....
8	κ Orionis	9	43 11.51	− 0.08	+17.59	48 31 54.12	46.295	− 3.85	+1 7.2	5 43 29.04	.....	− 9 41 55.1	....
9	α Orionis	9	49 59.92	− 0.04	+17.61	31 27 53.75	43.790	− 3.85	+ 36.4	5 50 17.49	.....	+ 7 23 33.3	....
10	ν Orionis	9	2 7.81	− 0.02	+17.65	24 3 54.10	45,995	− 3.85	+ 26.6	6 2 25.40	.....	+14 46 52.3	....
11	β Canis Majoris	9	18 26.43	− 0.10	+17.57	56 43 53.75	46.665	− 3.85	+1 30.5	6 18 43.94	.....	−17 54 26.5	....
12	ζ Geminorum	.	.. ..	....	.....	18 7 52.88	47.988	− 3.85	+ 19.5	6 58	.....	+20 42 14.9	....
13	γ Canis Majoris	5	59 23.18	− 0.10	+17.63	54 19 52.85	45.182	− 3.85	+1 22.7	6 59 40.70	.....	−15 29 43.7	....
14	4 B. Ursæ Minoris	7	8 20.30	+ 1.62	+17.63	309 57 54.65	47.027	− 3.85	−1 10.6	8 8 39.55	.....	+88 54 5.3	....
15	κ Cephei s. p.	6	11 37.18	− 0.07	+17.63	296 19 51.92	45.918	− 3.85	−1 59.2	20 11 54.74	.....	+77 26 37.9	....
16	δ Cancri	9	39 15.37	0.00	+17.67	20 21 54.88	45.178	− 3.66	+ 22.2	8 39 33.00	.....	+18 29 14.2	....
17	ε Hydrae	9	41 41.76	− 0.02	+17.69	32 5 52.78	44.832	− 3.66	+ 37.4	8 41 59.37	.....	+ 6 45 9.2	....
18	76 Draconis s. p.	6	48 51.56	− 0.23	+17.63	301 5 54.15	43.490	− 3.66	−1 38.2	20 49 8.96	.....	+82 12 5.8	....
19	ζ Hydræ	7	50 19.31	− 0.03	+17.71	32 33 52.88	43.870	− 3.66	+ 38.1	8 50 36.91	.....	+ 6 17 30.6	....
20	α Cancri	8	53 15.03	− 0.01	+17.62	26 37 54.40	46.692	− 3.66	+ 29.9	8 53 32.65	.....	+12 12 32.6	....
21	α Hydræ	9	22 50.89	− 0.06	+17.66	47 5 54.20	46.130	− 3.66	+1 4.2	9 23 8.47	.....	− 8 15 48.8	....
22	1 H. Draconis	6	23 58.98	+ 0.35	+17.64	317 7 54.38	48.230	− 3.66	− 55.1	9 24 16.97	.....	+81 43 22.5	....
23	β Cephei s. p.	9	27 11.78	− 0.03	+17.64	289 3 54.05	46.625	− 3.66	−2 50.2	21 27 29.39	.....	+70 10 5.3	....
24	ε Leonis	9	40 25.39	+ 0.02	+17.66	14 39 52.08	45.028	− 3.66	+ 15.7	9 40 43.05	.....	+24 11 27.1	....
25	α Leonis	9	3 15.48	− 0.01	[+17.68]	26 25 53.22	46.600	− 3.66	+ 29.7	10 3 33.11	.....	+12 24 36.1	....
26	ζ Leonis	9	11 21.79	+ 0.01	[+17.65]	14 57 53.20	48.608	− 3.66	+ 16.0	10 11 39.44	.....	+23 52 3.9	....
27	γ Leonis (*pr.*)	9	14 41.32	+ 0.01	[+17.64]	18 33 54.62	43.425	− 3.66	+ 20.1	10 14 58.97	.....	+20 17 56.8	....
28	μ Hydræ	9	21 24.89	− 0.09	[+17.64]	55 11 53.08	46.460	− 3.66	+1 25.8	10 21 42.44	.....	−16 22 16.6	....
29	Mercury C, C	9	17 6.59	− 0.06	+17.68	51 1 54.10	44.172	− 3.81	+1 11.7	14 17 24.21	− 0.01	−12 11 11.1	....
	November 11, M.												
30	Sun I, S	9	3 25.34	− 0.08	+17.68	56 29 55.58	44.660	− 3.62	+1 27.1	15 3 42.94	+68.03	−17 39 39.6	....
31	Sun II, N	9	5 41.40	− 0.08	+17.68	55 57 57.65	43.838	− 3.62	+1 25.4	15 5 59.00	−68.03	−17 7 20.5	....
32	4 B. Ursæ Minoris s. p.	.	.. ..	....	.....	307 45 52.65	47.760	− 4.90	−1 13.6	8 8	.....	+88 54 5.1	....
33	κ Cephei	9	11 37.01	+ 0.07	+17.72	321 25 53.12	44.607	− 4.90	− 45.5	20 11 54.80	.....	+77 26 38.2	....
34	76 Draconis	9	48 51.01	+ 0.13	+17.73	316 39 50.30	46.452	− 4.90	− 54.0	20 49 8.87	.....	+82 12 7.4	....
35	ι Capricorni	9	16 55.13	− 0.18	+17.71	56 3 51.60	44.022	− 4.90	+1 25.3	21 17 12.68	.....	−17 13 17.6	....
36	1 H. Draconis s. p.	9	23 59.49	− 0.14	+17.73	300 35 52.72	46.858	− 4.90	−1 36.6	9 24 17.08	.....	+81 43 21.7	....
37	β Cephei	9	27 11.64	+ 0.03	+17.73	328 41 52.35	45.548	− 4.90	− 34.8	21 27 29.40	.....	+70 10 6.8	....
38	ξ Aquarii	9	32 38.67	− 0.15	+17.75	47 5 53.28	45.900	− 4.90	+1 1.9	21 32 56.25	.....	− 8 15 38.9	....
39	γ Capricorni	9	34 47.41	− 0.18	+17.70	55 53 53.50	46.740	− 4.90	+1 24.9	21 35 4.96	.....	−17 4 21.3	....
40	δ Capricorni	9	41 45.58	− 0.18	+17.69	55 21 52.68	46.860	− 4.90	+1 23.3	21 42 3.13	.....	−16 32 21.6	....
41	μ Capricorni	9	48 4.56	− 0.17	+17.67	52 47 53.12	48.135	− 4.90	+1 15.8	21 48 22.13	.....	−13 58 43.7	....
42	ι Aquarii	9	1 15.87	− 0.17	+17.68	53 7 52.45	47.730	− 4.90	+1 16.8	22 1 33.44	.....	−14 18 34.9	....
43	ι Pegasi	9	2 30.41	− 0.08	+17.74	13 57 52.50	42.792	− 4.90	+ 14.4	22 2 48.07	.....	+24 54 20.3	....
	November 11, L.												
44	γ Orionis	9	20 0.24	− 0.10	+17.71	32 33 53.80	47.235	− 4.82	+ 37.4	5 20 17.83	.....	+ 6 16 14.5	....
45	δ Orionis	9	27 6.59	− 0.12	+17.71	39 11 56.02	46.768	− 4.82	+ 47.7	5 27 24.16	.....	− 0 21 47.5	....
46	ι Orionis	9	30 44.02	− 0.13	+17.68	44 47 57.25	46.735	− 4.82	+ 58.0	5 31 1.58	.....	− 5 57 68.3	....
47	ζ Tauri	7	31 57.80	− 0.06	+17.69	17 45 54.88	45.092	− 4.82	+ 18.8	5 32 15.43	.....	+21 5 21.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 22 6	30.320	49.8	48.4
5 20	30.276	45.7	44.8
5 50	30.270	45.7	44.3
6 18	......	....	44.2
6 59	30.260	44.8	43.9
8 8	30.254	44.4	43.2
8 39	......	....	42.4
9 23	30.250	43.3	42.1
9 40	......	....	41.8
10 3	......	....	41.6
10 21	[illegible]	43.2	41.8
14 17	30.270	55.6	55.7
11 15 6	30.246	57.0	57.8
20 12	30.174	61.2	60.3
20 49	......	....	59.2
21 17	30.176	59.7	58.6
21 42	......	....	58.1
22 3	30.174	58.8	57.7
5 18	30.116	51.1	49.9

Micrometer bisections are made at II, VI, except as noted below.

1, 29.	Bisections at I, II, VI, VII.
3.	Bisections at II, VI, VII.
4, 12, 16, 21, 42, 45, 46.	Bisections at I, II.
6, 13, 47.	Bisections at VI, VII.
14, 15, 18, 22, 32–34, 36, 37.	Bisections at b_4, b_5, b_6.
19.	Bisections at V, VI.
23.	Bisections at b_4, b_6.
30.	Bisections at I, II, III.
31.	Bisections at V, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
29	+ 5.3	.. ....	+0.1	+ 5.4
30	+ 7.4	+16 9.5	...	+16 16.9
31	+ 7.3	−16 9.5	...	−16 2.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Orionis	9	35 55.16	− 0.12	**+17.69**	40 49 54.58	45.270	− 4.82	+ 50.5	5 36 12.73	.....	− 1 59 14.5	....
2	κ Orionis	9	43 11.49	− 0.14	**+17.69**	48 31 55.55	46.299	− 4.82	+1 6.1	5 43 29.04	.....	− 9 41 54.5	....
3	α Orionis	9	49 59.86	− 0.09	**+17.74**	31 27 55.45	43.730	− 4.82	+ 35.8	5 50 17.46	.....	+ 7 23 34.5	....
4	ν Orionis	9	2 7.77	− 0.08	**+17.78**	24 3 54.28	46.012	− 4.82	+ 26.2	6 2 25.39	.....	+14 46 53.1	....
5	8 Monocerotis	9	18 41.80	− 0.10	**+17.73**	34 11 55.72	46.405	− 4.82	+ 39.8	6 18 59.40	.....	+ 4 38 29.1	....
6	4 B. Ursæ Minoris	7	8 19.66	+ 2.29	+17.71	309 57 56.20	47.068	− 7.12	−1 9.7	8 8 39.66	.....	+88 54 5.2	....
7	κ Cephei s. p.	9	11 37.31	− 0.18	+17.71	296 19 52.75	45.920	− 7.12	−1 57.6	20 11 54.84	.....	+77 26 37.1	....
8	δ Cancri	9	39 15.41	− 0.07	**+17.73**	20 21 57.70	45.142	− 7.12	+ 21.8	8 39 33.06	.....	+18 29 16.3	....
9	ε Hydræ	9	41 41.82	− 0.10	**+17.74**	32 5 56.60	44.767	− 7.12	+ 36.8	8 41 59.44	.....	+ 6 45 11.0	....
10	76 Draconis s. p.	7	48 51.28	− 0.31	+17.72	301 5 53.75	43.617	− 7.12	−1 36.7	20 49 8.69	.....	+82 12 6.3	....
11	α Cancri	9	53 15.06	− 0.08	**+17.70**	26 37 57.75	46.650	− 7.12	+ 29.5	8 53 32.70	.....	+12 12 34.1	....
12	α Hydræ	9	22 50.94	− 0.14	**+17.72**	47 6 2.05	45.910	− 7.12	+1 3.1	9 23 8.52	.....	− 8 15 47.0	....
13	1 H. Draconis	6	23 59.32	+ 0.29	+17.72	317 7 52.95	48.395	− 7.12	− 54.2	9 24 17.33	.....	+81 43 22.7	....
14	Mercury II, C	9	23 9.64	− 0.16	+17.77	51 37 56.02	46.484	− 3.92	+1 12.1	14 23 27.25	− 0.18	−12 48 6.1	....
	November 12, L.												
15	Sun I, S	9	7 29.07	− 0.17	+17.78	56 45 55.92	46.030	− 3.60	+1 26.4	15 7 46.68	+68.10	−17 56 10.6	....
16	Sun II, N	9	9 45.28	− 0.17	+17.78	56 13 54.08	45.267	− 3.60	+1 24.6	15 10 2.89	−68.11	−17 23 48.8	....
17	4 B. Ursæ Minoris s. p.	7	8 21.61	+ 2.96	+17.82	307 45 53.20	47.725	− 4.52	−1 12.1	8 8 42.39	.....	+88 54 6.6	....
18	κ Cephei	9	11 37.07	− 0.35	+17.82	321 25 49.40	44.755	− 4.52	− 44.6	20 11 54.54	.....	+77 26 37.1	....
19	76 Draconis	9	48 51.36	− 0.51	+17.83	316 39 51.92	46.367	− 4.52	− 53.0	20 49 8.68	.....	+82 12 6.1	....
20	ν Aquarii	9	4 22.38	− 0.27	**+17.79**	50 33 53.38	47.405	− 4.52	+1 8.6	21 4 39.94	.....	−11 44 20.4	....
21	ι Capricorni	9	16 55.09	− 0.28	**+17.84**	56 3 52.62	43.984	− 4.52	+1 23.8	21 17 12.64	.....	−17 13 16.7	....
22	1 H. Draconis s. p.	9	23 59.22	+ 0.34	+17.83	300 35 48.18	47.015	− 4.52	−1 34.8	9 24 17.39	.....	+81 43 22.8	....
23	ξ Aquarii	9	32 38.66	− 0.26	**+17.85**	47 5 52.95	45.875	− 4.52	+1 0.8	21 32 56.24	.....	− 8 15 37.4	....
24	γ Capricorni	9	34 47.37	− 0.28	**+17.82**	55 53 53.45	46.748	− 4.52	+1 23.4	21 35 4.93	.....	−17 4 20.2	....
25	δ Capricorni	9	41 45.54	− 0.28	**+17.82**	55 21 52.40	46.900	− 4.52	+1 21.8	21 42 3.10	.....	−16 32 21.1	....
26	16 Pegasi	9	48 39.03	− 0.21	**+17.91**	13 21 51.52	43.375	− 4.52	+ 13.5	21 48 56.66	.....	+25 30 8.5	....
27	ι Aquarii	9	1 15.84	− 0.28	**+17.81**	53 7 52.98	47.715	− 4.52	+1 15.5	22 1 33.40	.....	−14 18 34.2	....
28	ι Pegasi	9	2 30.36	− 0.21	**+17.90**	13 57 52.85	42.732	− 4.52	+ 14.1	22 2 47.99	.....	+24 54 21.4	....
	November 12, M.												
29	γ Orionis	9	19 59.98	− 0.18	**+18.06**	32 33 52.15	47.340	− 4.06	+ 36.7	5 20 17.80	.....	+ 6 16 13.7	....
30	δ Orionis	8	27 6.46	− 0.20	**+17.95**	39 11 52.55	46.988	− 4.06	+ 46.9	5 27 24.26	.....	− 0 21 48.9	....
31	ε Orionis	9	31 20.70	− 0.20	**+17.99**	40 5 52.92	45.926	− 4.06	+ 48.4	5 31 38.50	.....	− 1 15 26.5	....
32	ζ Orionis	9	35 54.98	− 0.20	**+17.97**	40 49 51.18	45.439	− 4.06	+ 49.7	5 36 12.79	.....	− 1 59 14.9	....
33	κ Orionis	9	43 11.28	− 0.22	**+18.00**	48 31 51.90	46.492	− 4.06	+1 5.2	5 43 29.07	.....	− 9 41 55.1	....
34	α Orionis	9	49 59.71	− 0.18	**+18.01**	31 27 51.52	43.960	− 4.06	+ 35.3	5 50 17.54	.....	+ 7 23 32.9	....
35	ν Orionis	9	2 7.68	− 0.17	**+17.98**	24 3 50.45	46.211	− 4.06	+ 25.8	6 2 25.52	.....	+14 46 52.0	....
36	8 Monocerotis	9	18 41.60	− 0.18	**+18.03**	34 11 52.55	46.564	− 4.06	+ 39.4	6 18 59.43	.....	+ 4 38 28.3	....
37	δ Cancri	9	39 15.17	− 0.15	**+18.09**	20 21 52.10	45.342	− 3.93	+ 21.5	8 39 33.05	.....	+18 29 14.2	....
38	ε Hydræ	9	41 41.63	− 0.17	**+18.03**	32 5 51.18	44.968	− 3.92	+ 36.2	8 41 59.49	.....	+ 6 45 9.2	....
39	76 Draconis s. p.	7	48 50.20	+ 0.04	+18.03	301 5 51.62	43.423	− 3.89	−1 34.9	20 49 8.27	.....	+82 12 4.8	....
40	ζ Hydræ	6	50 19.20	− 0.17	**+18.02**	32 33 52.22	43.970	− 3.88	+ 36.8	8 50 37.06	.....	+ 6 17 30.5	....
41	α Cancri	9	53 14.83	− 0.16	**+18.04**	26 37 53.65	46.788	− 3.87	+ 28.9	8 53 32.70	.....	+12 12 32.4	....
42	1 H. Draconis	7	23 59.46	− 0.12	+18.04	317 7 51.55	48.293	− 3.74	− 53.3	9 24 17.38	.....	+81 43 22.2	....
43	β Cephei s. p.	8	27 11.28	+ 0.01	+18.04	289 3 51.08	46.535	− 3.73	−2 44.6	21 27 29.33	.....	+70 10 5.9	....
44	α Leonis	9	3 15.29	− 0.16	**+18.08**	26 25 51.80	46.715	− 3.58	+ 28.7	10 3 33.17	.....	+12 24 35.8	....
45	ζ Leonis	9	11 21.59	− 0.14	[+**18.07**]	14 57 51.98	48.685	− 3.55	+ 15.5	10 11 39.49	.....	+23 52 3.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 5 37	......	....	49.7
6 3	......	....	49.3
6 19	30.104	50.7	49.1
8 5	30.090	48.0	47.3
8 18	......	....	47.7
8 43	......	....	47.6
8 54	......	....	47.3
9 28	30.080	48.7	47.3
14 25	30.088	60.1	60.7
12 15 10	30.078	62.8	64.2
20 7	30.054	67.0	68.4
20 52	......	....	66.2
21 5	30.058	65.1	66.0
21 25	......	....	65.6
21 43	......	....	64.9
22 3	30.060	63.2	64.0
5 20	30.100	55.8	58.2
5 43	......	....	56.8
6 19	30.090	54.9	51.0
8 39	30.112	55.8	55.7
8 53	......	....	57.8
9 27	30.130	54.8	56.1
10 3	......	....	57.2

Micrometer bisections are made at II, VI, except as noted below.

2, 14, 20, 21, 25, 31-36.	Bisections at I, II, VI, VII.
6.	Bisections at b_4, $b_{4\frac{1}{2}}$, b_5.
7, 18, 19, 22.	Bisections at III, IV, V.
9, 24.	Bisections at II, VI, VII.
10, 39, 42, 43.	Bisections at b_4, b_5, b_6.
12, 23, 27, 37.	Bisections at I, II.
13.	Bisections at b_5, b_6.
15.	Bisections at I, II, III.
16.	Bisections at V, VI, VII.
17.	Bisections at b_5, b_6, b_7.
28, 40.	Bisections at VI, VII.

Notes.

6-13.	Two microscopes used.
6, 7.	Fog.
13.	Micrometer reading decreased 1 rev.
29-45.	Conditions very poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+ 5.2	.. ....	+ 0.1	+ 5.3
15	+ 7.4	+16 10.9	...	+16 18.3
16	+ 7.4	−16 10.9	...	−16 3.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Leonis (*pr.*)	9	14 41.13	− 0.14	**[+18.04]**	18 33 52.15	43.580	− 3.53	+ 19.4	10 14 59.03	.....	+20 17 56.3	....
2	μ Hydræ	9	21 24.71	− 0.22	**[+18.01]**	55 11 52.02	46.648	− 3.50	+1 22.5	10 21 42.53	.....	−16 22 16.7	....
3	Mercury C, C	9	29 14.44	− 0.22	+18.06	52 13 53.20	48.068	− 3.32	+1 13.4	14 29 32.28	− 0.01	−13 24 41.4	....
	November 13, M.												
4	Sun I, N	9	11 33.36	− 0.23	+18.06	56 29 52.52	45.688	− 3.56	+1 25.4	15 11 51.19	+68.27	−17 39 58.4	....
5	Sun II, S	9	13 49.90	− 0.23	−18.06	57 1 52.05	46.608	− 3.56	+1 27.2	15 14 7.73	−68.27	−18 12 20.1	....
6	4 B. Ursæ Minoris S. P.	8	8 23.39	+ 1.05	+18.08	307 45 49.65	47.800	− 3.78	−1 12.7	8 8 42.52	.....	+88 54 5.0	....
7	76 Draconis	9	48 50.88	− 0.27	+18.09	316 39 50.20	46.407	− 3.78	− 53.4	20 49 8.70	.....	+82 12 6.8	....
8	ν Aquarii	9	4 22.11	− 0.27	**+18.05**	50 33 50.60	47.510	− 3.78	+1 9.2	21 4 39.93	.....	−11 44 21.4	....
9	ι Capricorni	9	16 54.85	− 0.29	**+18.07**	56 3 49.25	44.110	− 3.78	+1 24.5	21 17 12.65	.....	−17 13 17.6	....
10	1 H. Draconis S. P.	9	23 58.98	+ 0.07	+18.09	300 35 48.22	46.948	− 3.78	−1 35.6	9 24 17.14	.....	+81 43 21.4	....
11	β Cephei	9	27 11.38	− 0.18	+18.09	328 41 49.28	45.605	− 3.78	− 34.5	21 27 29.29	.....	+70 10 7.1	....
12	ξ Aquarii	9	32 38.39	− 0.26	**+18.11**	47 5 49.50	46.020	− 3.78	+1 1.3	21 32 56.22	.....	− 8 15 38.5	....
13	γ Capricorni	9	34 47.07	− 0.29	**+18.12**	55 53 50.45	46.862	− 3.78	+1 24.0	21 35 4.87	.....	−17 4 21.2	....
14	δ Capricorni	9	41 45.29	− 0.29	**+18.07**	55 21 50.15	46.970	− 3.78	+1 22.4	21 42 3.10	.....	−16 32 21.8	....
15	16 Pegasi	9	48 38.81	− 0.20	**+18.11**	13 21 50.12	43.438	− 3.78	+ 13.6	21 48 56.71	.....	+25 30 7.6	....
16	ι Aquarii	9	1 15.59	− 0.28	**+18.05**	53 7 50.32	47.820	− 3.78	+1 16.1	22 1 33.41	.....	−14 18 35.2	....
17	ι Pegasi	9	2 30.06	− 0.20	**+18.18**	13 57 48.90	42.900	− 3.78	+ 14.2	22 2 47.96	.....	+24 54 20.7	....
	November 15, M.												
18	γ Orionis	9	19 59.45	− 0.15	**+18.63**	32 33 51.18	47.362	− 3.22	+ 37.4	5 20 17.92	.....	+ 6 16 12.6	....
19	δ Orionis	9	27 5.83	− 0.17	**+18.61**	39 11 52.85	46.935	− 3.22	+ 47.7	5 27 24.28	.....	− 0 21 49.6	....
20	ι Orionis	9	30 43.26	− 0.18	**+18.58**	44 47 53.35	46.910	− 3.22	+ 58.1	5 31 1.70	.....	− 5 58 0.0	....
21	ζ Tauri	9	31 57.04	− 0.12	**+18.61**	17 45 52.80	45.135	− 3.22	+ 18.8	5 32 15.54	.....	+21 5 20.4	....
22	ζ Orionis	9	35 54.38	− 0.17	**+18.61**	40 49 51.72	45.345	− 3.22	+ 50.6	5 36 12.83	.....	− 1 59 15.0	....
23	κ Orionis	9	43 10.74	− 0.19	**+18.58**	48 31 52.50	46.420	− 3.22	+1 6.2	5 43 29.17	.....	− 9 41 55.9	....
24	α Orionis	9	49 59.15	− 0.15	**+18.61**	31 27 52.90	43.865	− 3.22	+ 35.8	5 50 17.62	.....	+ 7 23 32.4	....
25	ν Orionis	9	2 7.00	− 0.13	**+18.70**	24 3 51.75	46.110	− 3.22	+ 26.2	6 2 25.49	.....	+14 46 51.8	....
26	8 Monocerotis	9	18 41.03	− 0.15	**+18.65**	34 11 51.80	46.562	− 3.22	+ 39.9	6 18 59.51	.....	+ 4 38 27.8	....
27	ι Cancri	6	40 55.54	− 0.10	**+18.63**	9 45 51.12	45.420	− 3.22	+ 10.2	8 41 14.09	.....	+29 5 24.3	....
28	ζ Hydræ	9	50 18.63	− 0.15	**+18.67**	32 33 51.50	43.950	− 3.22	+ 37.6	8 50 37.13	.....	+ 6 17 30.0	....
29	α Cancri	9	53 14.29	− 0.14	**+18.66**	26 37 52.28	46.815	− 3.22	+ 29.6	8 53 32.80	.....	+12 12 31.9	....
30	ξ Leonis	9	26 45.92	− 0.14	**+18.64**	27 7 53.35	47.915	− 3.22	+ 30.2	9 27 4.43	.....	+11 42 5.0	....
	November 16, M.												
31	Sun I, S	9	23 51.34	− 0.19	+18.69	57 47 54.68	47.953	− 2.62	+1 30.6	15 24 9.84	+68.62	−18 58 58.5	....
32	Sun II, N	9	26 8.57	− 0.19	+18.69	57 15 53.60	47.233	− 2.62	+1 28.8	15 26 27.07	−68.61	−18 26 38.5	....
	November 19, P.												
33	θ Capricorni	9	0 32.27	+ 0.04	**+19.25**	56 25 54.32	44.635	− 3.08	+1 28.7	21 0 51.58	.....	−17 35 39.6	....
34	ν Aquarii	9	4 20.54	+ 0.04	**+19.23**	50 33 55.25	47.150	− 3.08	+1 11.7	21 4 39.85	.....	−11 44 21.0	....
35	ι Capricorni	9	16 53.26	+ 0.04	**+19.25**	56 3 54.80	43.682	− 3.08	+1 27.5	21 17 12.58	.....	−17 13 17.1	....
36	Moon I, S	9	22 51.20	+ 0.04	+19.28	60 21 55.48	48.209	− 3.08	+1 43.5	21 23 10.52	+70.20	−21 33 17.2	....
37	γ Capricorni	9	34 45.47	+ 0.04	**+19.31**	55 53 55.18	46.505	− 3.08	+1 27.0	21 35 4.79	.....	−17 4 21.5	....
38	δ Capricorni	9	41 43.71	+ 0.04	**+19.24**	55 21 55.78	46.550	− 3.08	+1 25.3	21 42 3.03	.....	−16 32 21.4	....
39	16 Pegasi	9	47 37.29	+ 0.02	**+19.31**	13 21 53.38	43.228	− 3.08	+ 14.1	21 47 56.59	.....	+25 30 8.0	....
40	ι Aquarii	9	1 13.97	+ 0.04	**+19.27**	53 7 55.02	47.465	− 3.08	+1 18.7	22 1 33.29	.....	−14 18 35.0	....
	November 19, L.												
41	γ Orionis	9	19 58.70	+ 0.05	**+19.26**	32 33 54.82	47.135	− 2.92	+ 37.9	5 20 18.04	.....	+ 6 16 13.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
12 10 21	30.152	56.8	59.0
14 29	30.210	64.3	65.1
13 15 14	30.206	65.7	67.0
20 8	30.234	66.4	66.9
20 49	......	....	65.4
21 4	30.240	64.8	65.1
21 42	......	....	64.2
22 3	30.250	63.7	63.4
15 5 20	30.068	49.8	48.9
5 36	......	....	48.5
6 2	......	....	48.1
6 19	30.050	48.7	47.2
8 41	30.044	47.5	45.4
8 53	......	....	45.3
9 27	......	....	45.7
10 6	30.044	47.3	....
16 15 26	[illegible]	57.7	58.8
19 20 58	29.888	44.0	42.2
21 20	......	....	42.0
21 40	......	....	41.6
22 3	29.884	43.0	41.0
5 21	[illegible]	39.2	37.7

Micrometer bisections are made at II, VI, except as noted below.

2, 3.	Bisections at I, II, VI, VII.
4, 31.	Bisections at I, II, III.
5, 27, 32.	Bisections at V, VI, VII.
6, 7, 10, 11.	Bisections at b_4, b_5, b_6.
12, 16.	Bisections at I, II.
17, 29.	Bisections at VI, VII.
20.	Bisections at I, II, VI.
36.	Bisections at II, III, IV, V, VI.

Notes.

1, 2	Conditions very poor.
6.	Very faint and uncertain.
29.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 5.2	.. ....	+0.1	+ 5.3
4	+ 7.4	−16 10.8	...	−16 3.4
5	+ 7.4	+16 10.9	...	+16 18.3
31	+ 7.5	+16 10.0	...	+16 17.5
32	+ 7.5	−16 10.0	...	−16 2.5
36	+50 15.2	+15 48.8	...	+66 4.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Orionis	9	27 5.08	+ 0.05	**+19.22**	39 11 56.38	46.715	− 2.92	+ 48.4	5 27 24.42	.....	− 0 21 49.1	....
2	ι Orionis	9	30 42.44	+ 0.05	**+19.25**	44 47 56.38	46.718	− 2.92	+ 58.9	5 31 1.78	.....	− 5 57 59.6	....
3	ζ Orionis	9	35 53.56	+ 0.05	**+19.30**	40 49 54.08	45.228	− 2.92	+ 51.3	5 36 12.90	.....	− 1 59 15.7	....
4	κ Orionis	9	43 9.94	+ 0.04	**+19.24**	48 31 56.18	46.205	− 2.92	+1 7.2	5 43 29.27	.....	− 9 41 56.0	....
5	α Orionis	9	49 58.36	+ 0.05	**+19.29**	31 27 55.05	43.708	− 2.92	+ 36.4	5 50 17.70	.....	+ 7 23 32.9	....
6	ν Orionis	9	2 6.25	+ 0.05	**+19.37**	24 3 55.35	45.915	− 2.92	+ 26.6	6 2 25.59	.....	+14 46 52.0	....
7	8 Monocerotis	9	18 40.24	+ 0.05	**+19.34**	34 11 55.65	46.350	− 2.92	+ 40.4	6 18 59.59	.....	+ 4 38 28.0	....
8	ι Cancri	9	40 54.77	+ 0.05	**+19.40**	9 45 55.60	45.172	− 2.92	+ 10.3	8 41 14.14	.....	+29 5 25.0	....
9	ζ Hydræ	9	50 17.89	+ 0.05	**+19.34**	32 33 54.85	43.770	− 2.92	+ 38.0	8 50 37.26	.....	+ 6 17 30.1	....
10	α Cancri	9	53 13.58	+ 0.05	**+19.31**	26 37 55.70	46.645	− 2.92	+ 29.9	8 53 32.95	.....	+12 12 31.6	....
11	α Hydræ	9	22 49.43	+ 0.05	**+19.30**	47 5 56.10	46.035	− 2.92	+1 4.1	9 23 8.80	.....	− 8 15 49.1	....
12	1 H. Draconis	5	23 59.71	− 0.45	+19.32	317 7 53.30	48.292	− 2.92	− 55.0	9 24 18.58	.....	+81 43 21.3	....
13	ξ Leonis	8	26 45.20	+ 0.05	**+19.30**	27 7 55.08	47.845	− 2.92	+ 30.6	9 27 4.57	.....	+11 42 4.3	....
14	α Leonis	9	3 14.03	+ 0.05	**+19.36**	26 25 55.60	46.525	− 2.92	+ 29.7	10 3 33.41	.....	+12 24 34.7	....
15	ζ Leonis	9	11 20.34	+ 0.05	**+19.37**	14 57 54.32	48.575	− 2.92	+ 16.0	10 11 39.72	.....	+23 52 2.8	....
16	γ Leonis (*pr.*)	9	14 39.87	+ 0.05	**+19.34**	18 33 55.02	43.420	− 2.92	+ 20.1	10 14 59.25	.....	+20 17 55.9	....
17	30 H. Camelopardalis	9	19 49.86	− 0.56	+19.33	315 51 54.38	44.408	− 2.92	− 57.6	10 20 8.63	− 4.79	+83 0 51.6	+27.8
	November 20, L.												
18	Sun I, N	9	40 26.96	+ 0.07	+19.34	58 13 56.78	45.318	− 2.42	+1 32.3	15 40 46.37	+69.15	−19 24 2.2	....
19	Sun II, S	9	42 45.27	+ 0.07	+19.34	58 45 54.60	46.630	− 2.42	+1 34.2	15 43 4.68	−69.16	−19 56 30.7	....
20	76 Draconis	9	48 48.55	− 0.53	+19.36	316 39 54.22	46.250	− 4.40	− 53.1	20 49 7.38	.....	+82 12 6.7	....
21	1 H. Draconis s. p.	9	23 58.86	+ 0.55	+19.36	300 35 52.18	46.797	− 4.40	−1 35.3	9 24 18.77	.....	+81 43 21.6	....
22	β Cephei	9	27 9.67	− 0.22	+19.36	328 41 53.12	45.472	− 4.40	− 34.4	21 27 28.81	.....	+70 10 6.7	....
23	γ Capricorni	9	34 45.53	− 0.14	**+19.42**	55 53 55.48	46.681	− 4.40	+1 23.7	21 35 4.75	.....	−17 4 21.2	....
24	δ Capricorni	9	41 43.78	− 0.14	**+19.34**	55 21 55.55	46.783	− 4.40	+1 22.1	21 42 3.00	.....	−16 32 22.0	....
25	μ Capricorni	9	48 2.74	− 0.14	**+19.35**	52 47 54.80	48.088	− 4.40	+1 14.8	21 48 21.97	.....	−13 58 43.8	....
26	ι Aquarii	9	1 14.08	− 0.15	**+19.34**	53 7 54.40	47.681	− 4.40	+1 15.8	22 1 33.30	.....	−14 18 35.1	....
27	Moon I, S	9	19 29.84	− 0.16	+19.37	55 49 54.88	46.797	− 4.40	+1 23.8	22 19 49.05	+69.14	−17 0 23.4	....
28	σ Aquarii	9	25 32.69	− 0.15	**+19.38**	49 57 56.20	47.720	− 4.40	+1 7.8	22 25 51.91	.....	−11 8 29.8	....
29	τ Aquarii	9	44 29.37	− 0.16	+19.37	52 53 54.78	46.811	− 4.40	+1 15.3	22 44 48.58	− 2.05	−14 4 15.1	− 8.7
	November 21, P.												
30	σ Aquarii	9	25 32.49	− 0.27	**+19.68**	49 57 54.08	47.892	− 5.30	+1 7.3	22 25 51.90	.....	−11 8 30.2	....
31	ζ Pegasi	9	36 37.74	− 0.24	**+19.73**	28 29 52.80	43.890	− 5.30	+ 30.7	22 36 57.18	.....	+10 21 38.9	....
32	η Pegasi	9	38 26.31	− 0.23	**+19.70**	9 5 50.90	46.440	− 5.30	+ 9.1	22 38 45.76	.....	+29 45 4.3	....
33	δ Aquarii	9	49 32.09	− 0.28	**+19.62**	55 7 52.28	46.515	− 5.30	+1 21.1	22 49 51.49	.....	−16 18 10.5	....
34	κ Piscium	9	21 58.80	− 0.25	**+19.66**	38 5 52.22	43.292	− 5.30	+ 44.3	23 22 18.23	.....	+ 0 45 39.8	....
	November 22, M.												
35	Sun I. N	9	48 49.70	− 0.27	+19.88	58 39 52.85	47.358	− 4.17	+1 31.5	15 49 9.31	+69.33	−19 50 42.4	....
36	Sun II, S	9	51 8.37	− 0.27	+19.88	59 11 53.35	48.377	− 4.17	+1 33.4	15 51 27.98	−69.34	−20 23 7.4	....
37	76 Draconis	9	48 47.91	− 0.82	+19.92	316 39 52.88	46.247	− 4.85	− 51.8	20 49 7.01	.....	+82 12 7.2	....
38	1 H. Draconis s. p.	9	23 58.43	+ 0.57	+19.93	300 35 50.80	46.730	− 4.85	−1 32.8	9 24 18.93	.....	+81 43 20.7	....
39	β Cephei	9	27 9.28	− 0.40	+19.93	328 41 51.20	45.527	− 4.85	− 33.5	21 27 28.81	.....	+70 10 7.1	....
40	30 H. Camelopardalis s. p.	9	19 48.80	+ 0.69	+19.93	301 53 50.72	45.203	− 4.85	−1 28.5	10 20 9.42	− 5.31	+83 0 50.0	+28.0
41	σ Aquarii	9	25 32.23	− 0.27	**+19.93**	49 57 54.20	47.968	− 4.85	+1 6.0	22 25 51.89	.....	−11 8 31.2	....
42	ζ Pegasi	9	36 37.56	− 0.25	**+19.90**	28 29 51.18	43.972	− 4.85	+ 30.1	22 36 57.25	.....	+10 21 38.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 5 37	......	....	37.7
5 51	......	....	37.3
6 4	......	....	37.3
6 19	29.810	38.9	37.1
8 42	29.806	37.4	36.7
8 51	......	....	36.3
9 28	......	....	36.0
10 4	......	....	35.3
10 25	29.808	37.0	35.4
20 15 43	29.792	52.8	54.9
20 50	29.768	60.6	60.0
21 28	......	....	58.3
21 39	......	....	58.3
21 49	......	....	58.0
22 2	......	....	57.3
[illegible]	......	....	57.0
22 45	29.778	58 2	56.7
21 22 23	29.816	62.1	61.6
22 58	29.826	61.9	61.0
23 23	29.824	61.9	61.0
22 15 51	29.705	65.0	66.1
20 49	29.552	68.3	68.8
21 27	29.552	67.8	67.7
22 20	29.536	67.2	66.1

Micrometer bisections are made at II, VI, except as noted below.

11, 31, 42.	Bisections at I, II.
12.	Bisections at b_5, b_6, b_8.
13, 16, 33.	Bisections at VI, VII.
14.	Bisections at II, VI. VII.
17, 20, 21, 37–40.	Bisections at b_4, b_5, b_6.
18, 35.	Bisections at I, II. III.
19, 36.	Bisections at V, VI, VII.
22.	Bisections at III, V.
23, 25, 26, 28, 29.	Bisections at I, II, VI, VII.
24.	Bisections at I, II, VI.
27.	Bisections at II, III, IV, V, VI.

Notes.

9. Thick.
19. Micrometer reading increased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
18	+ 7.5	−16 14.2	...	−16 6.7
19	+ 7.6	+16 14.2	...	+16 21.8
27	+48 23.5	+16 0.1	...	+64 23.6
35	+ 7.6	−16 12.5	...	−16 4.9
36	+ 7.6	+16 12.5	...	+16 20.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	′
1	η Pegasi	9	38 26.06	− 0.25	**+19.95**	9 5 50.80	46.468	− 4.85	+ 8.9	22 38 45.75	.....	+29 45 3.5	....
2	μ Pegasi	9	45 18.65	− 0.25	**+19.99**	14 43 51.05	44.780	− 4.85	+ 14.6	22 45 38.34	.....	+24 7 35.9	....
3	λ Aquarii	9	47 34.44	− 0.27	**+19.92**	46 53 52.88	46.125	− 4.85	+ 59.3	22 47 54.11	.....	− 8 3 41.2	....
4	δ Aquarii	9	49 31.79	− 0.28	**+19.91**	55 7 53.72	46.542	− 4.85	+1 19.5	22 49 51.45	.....	−16 18 11.6	....
5	β Pegasi	9	59 3.82	− 0.25	**+19.97**	11 15 50.45	44.692	− 4.85	+ 11.1	22 59 23.51	.....	+27 36 42.0	....
6	α Pegasi	9	59 55.88	− 0.25	**+19.92**	24 7 52.48	45.295	− 4.85	+ 24.9	23 0 15.57	.....	+14 43 12.8	....
7	φ Aquarii	9	9 19.04	− 0.26	**+19.93**	45 21 52.45	47.665	− 4.85	+ 56.2	23 9 38.72	.....	− 6 32 12.7	....
8	τ Pegasi	9	15 50.18	− 0.24	**+19.91**	15 35 51.35	46.652	− 4.85	+ 15.5	23 16 9.88	.....	+23 14 52.1	....
9	κ Piscium	9	21 58.51	− 0.26	**+19.95**	38 5 51.80	43.342	− 4.85	+ 43.5	23 22 18.19	.....	+ 0 45 39.4	....
10	ι¹ Aquarii	9	39 11.66	− 0.28	**+19.97**	57 35 52.25	47.872	− 4.85	+1 27.4	23 39 31.32	.....	−18 46 48.4	....
11	α Andromedæ	9	3 23.47	− 0.25	**+20.01**	10 15 50.75	44.868	− 4.85	+ 10.1	0 3 43.17	.....	+28 35 38.9	....
12	Moon I, S.	9	8 55.91	− 0.28	+19.95	43 57 52.45	47.222	− 4.85	+ 53.7	0 9 15.58	+68.04	− 5 8 0.2	....
13	ι Ceti	9	14 30.32	− 0.27	**+19.92**	48 9 52.20	45.572	− 4.85	+1 2.1	0 14 50.00	.....	− 9 19 30.6	....
	November 22, P.												
14	γ Orionis	9	19 58.33	− 0.24	**+19.98**	32 33 53.05	47.400	− 4.74	+ 35.7	5 20 18.04	.....	+ 6 16 13.1	....
15	δ Orionis	9	27 4.74	− 0.25	**+19.92**	39 11 54.85	47.010	− 4.74	+ 45.5	5 27 24.44	.....	− 0 21 49.6	....
16	ζ Tauri	9	31 55.96	− 0.23	**+19.97**	17 45 54.12	45.172	− 4.74	+ 17.9	5 32 15.68	.....	+21 5 20.7	....
17	ζ Orionis	8	35 53.30	− 0.25	**+19.92**	40 49 53.40	45.502	− 4.74	+ 48.2	5 36 13.00	.....	− 1 59 16.2	....
18	κ Orionis	9	43 9.59	− 0.27	**+19.96**	48 31 54.00	46.568	− 4.74	+1 3.1	5 43 29.27	.....	− 9 41 56.2	....
19	α Orionis	5	49 58.09	− 0.24	**+19.93**	31 27 54.15	43.965	− 4.74	+ 34.2	5 50 17.80	.....	+ 7 23 32.1	....
	November 25, M.												
20	β Arietis	9	49 19.01	0.00	**+20.54**	18 27 53.85	48.355	− 4.01	+ 19.6	1 49 39.61	.....	+20 22 5.8	....
21	γ Ceti	9	38 17.45	+ 0.02	**+20.54**	35 59 54.82	43.910	− 4.01	+ 42.5	2 38 38.08	.....	+ 2 51 23.4	....
22	μ Ceti	9	39 43.73	+ 0.01	**+20.56**	29 7 54.48	42.620	− 4.01	+ 32.6	2 40 4.35	.....	+ 9 44 3.2	....
23	σ Arietis	9	46 10.52	+ 0.01	**+20.55**	24 7 53.12	46.502	− 4.01	+ 26.3	2 46 31.14	.....	+14 42 42.2	....
24	ε Arietis (*mean*)	9	53 43.00	0.00	**+20.56**	17 51 53.72	46.388	− 4.01	+ 18.9	2 54 3.61	.....	+20 58 51.6	....
25	Moon I, S.	9	57 22.54	+ 0.01	+20.61	24 31 54.82	45.005	− 4.01	+ 26.8	2 57 43.16	+71.31	+14 19 14.2	....
	November 25, P.												
26	γ Orionis	9	19 57.52	− 0.01	**+20.62**	32 33 53.92	47.260	− 4.35	+ 37.7	5 20 18.09	.....	+ 6 16 13.0	....
27	δ Orionis	9	27 3:86	0.00	**+20.61**	39 11 55.10	46.880	− 4.35	+ 48.1	5 27 24.44	.....	− 0 21 49.9	....
28	ε Orionis	9	31 18.18	0.00	**+20.58**	40 5 55.75	45.790	− 4.35	+ 49.6	5 31 38.77	.....	− 1 15 27.1	....
29	ζ Orionis	9	35 52.48	0.00	**+20.55**	40 49 53.48	45.348	− 4.35	+ 50.9	5 36 13.07	.....	− 1 59 16.0	....
30	κ Orionis	9	43 8.83	0.00	**+20.51**	48 31 55.05	46.388	− 4.35	+1 6.7	5 43 29.42	.....	− 9 41 57.1	....
31	α Orionis	9	49 57.23	− 0.01	**+20.62**	31 27 53.68	43.870	− 4.35	+ 36.1	5 50 17.81	.....	+ 7 23 32.3	....
32	δ Ursæ Minoris s. p.	9	0 42.94	+ 2.38	+20.59	305 29 51.22	45.127	− 4.35	−1 22.2	18 1 5.91	.....	+86 36 55.6	....
33	8 Monocerotis	9	18 39.11	− 0.01	**+20.68**	34 11 54.90	46.495	− 4.35	+ 40.1	6 18 59.69	.....	+ 4 38 27.1	....
34	λ Ursæ Minoris s. p.	9	9 59.94	+ 7.90	+20.60	307 53 53.30	43.598	− 4.35	−1 15.5	19 10 28.44	.....	+89 0 29.3	....
35	ι Cancri	9	40 53.78	− 0.03	**+20.69**	9 45 53.80	45.315	− 4.39	+ 10.2	8 41 14.36	.....	+29 5 25.1	....
36	76 Draconis s. p.	9	48 44.88	+ 1.04	+20.61	301 5 50.92	43.605	− 4.39	−1 37.4	20 49 6.53	.....	+82 12 5.3	....
37	1 H. Draconis	9	23 59.98	− 0.78	+20.62	317 7 51.22	48.452	− 4.39	− 54.7	9 24 19.82	.....	+81 43 20.9	....
38	β Cephei s. p.	9	27 7.65	+ 0.48	+20.62	289 3 51.05	46.763	− 4.39	−2 49.0	21 27 28.75	.....	+70 10 6.0	....
39	α Leonis	9	3 13.03	− 0.01	**+20.62**	26 25 53.85	46.685	− 4.39	+ 29.5	10 3 33.64	.....	+12 24 34.4	....
40	ζ Leonis	9	11 19.32	− 0.02	**+20.67**	14 57 53.30	48.695	− 4.39	+ 15.9	10 11 39.92	.....	+23 52 2.6	....
41	γ Leonis (*pr.*)	9	14 38.84	− 0.02	**+20.65**	18 33 53.68	43.583	− 4.39	+ 20.0	10 14 59.44	.....	+20 17 55.0	....
42	30 H. Camelopardalis	9	19 50.42	− 0.95	+20.62	315 51 52.10	44.593	− 4.39	− 57.3	10 20 10.09	− 5.97	+83 0 50.8	+28.4
43	ρ Leonis	9	27 42.43	− 0.01	**+20.66**	29 3 52.18	47.220	− 4.39	+ 33.0	10 28 3.04	.....	+ 9 46 20.4	....
44	34 Sextantis	9	37 36.61	0.00	**+20.66**	34 47 53.30	44.035	− 4.39	+ 41.3	10 37 57.24	.....	+ 4 3 23.8	....
45	Mercury C, C.	9	51 12.76	+ 0.02	+20.67	59 11 56.35	45.631	− 1.31	+1 37.8	15 51 33.45	0.00	−20 22 15.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 22 59	....	....	65.8
23 16	29.522	66.6	65.6
23 39	....	....	65.0
0 15	29.510	65.2	64.0
5 18	29.412	62.0	61.0
5 46	....	....	60.8
5 53	29.400	62.0	60.8
25 1 49	29.740	43.5	44.0
2 38	29.750	42.8	43.2
2 57	29.756	42.4	42.8
5 18	29.790	40.9	40.9
5 40	....	....	40.8
5 57	....	....	40.2
6 22	29.802	40.4	40.2
7 15	29.818	40.2	40.0
8 39	29.850	40.0	40.0
9 21	....	....	39.8
9 31	29.874	40.0	39.2
10 1	....	....	39.0
10 24	....	....	39.0
10 39	29.900	39.2	38.5
15 52	30.021	48.0	48.4

Micrometer bisections are made at II, VI, except as noted below.

2, 3, 5, 21.	Bisections at I, II.
6, 17, 19.	Bisections at VI, VII.
12, 25.	Bisections at II, III, IV, V, VI.
32, 34, 36–38, 42.	Bisections at b_4, b_5, b_6.
41.	Bisections at II, VI, VII.
45.	Bisections at I, II, VI, VII.

Note.

17, 19. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+41 27.4	+16 21.0	...	+57 48.4
25	+25 0.2	+16 32.0	...	+41 32.2
45	+ 5.2	.. ....	0.0	+ 5. 2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 26, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	5 44.13	+ 0.02	+20.67	59 29 55.65	43.340	− 1.31	+1 38.9	16 6 4.82	+69.82	−20 39 23.6	....
2	Sun II, S	9	8 3.77	+ 0.02	+20.67	60 1 55.50	44.527	− 1.31	+1 41.0	16 8 24.46	−69.82	−21 11 52.1	....
3	76 Draconis	9	48 46.61	− 0.74	+20.70	316 39 53.90	46.293	− 2.38	− 54.9	20 49 6.57	.....	+82 12 5.8	....
4	θ Capricorni	9	0 30.93	− 0.08	[**+20.63**]	56 25 56.80	44.500	− 2.38	+1 28.0	21 0 51.55	.....	−17 35 39.0	....
5	ν Aquarii	9	4 19.17	− 0.08	[**+20.64**]	50 33 57.00	47.088	− 2.38	+1 11.1	21 4 39.79	.....	−11 44 21.4	....
6	ι Capricorni	9	16 51.89	− 0.08	[**+20.65**]	56 3 56.05	43.622	− 2.38	+1 26.9	21 17 12.51	.....	−17 13 17.1	....
7	1 H. Draconis s. p.	9	23 58.63	+ 0.74	+20.70	300 35 53.12	46.790	− 2.38	−1 38.4	9 24 20.07	.....	+81 43 21.3	....
8	β Cephei	9	27 8.09	− 0.28	+20.70	328 41 53.48	45.425	− 2.38	− 35.5	21 27 28.51	.....	+70 10 6.5	....
9	γ Capricorni	9	34 44.16	− 0.08	**+20.65**	55 53 57.50	46.388	− 2.38	+1 26.5	21 35 4.79	.....	−17 4 21.3	....
10	δ Capricorni	9	41 42.29	− 0.08	**+20.69**	55 21 56.28	46.545	− 2.38	+1 24.8	21 42 2.92	.....	−16 32 22.0	....
11	ι Aquarii	9	1 12.62	− 0.08	**+20.65**	53 7 54.30	47.480	− 2.38	+1 18.3	22 1 33.25	.....	−14 18 34.9	....
12	30 H. Camelopardalis s. p.	9	19 48.69	+ 0.87	+20.71	301 53 50.08	45.398	− 2.38	−1 33.8	10 20 10.27	− 6.06	+83 0 51.0	+28.5
13	η Pegasi	9	38 25.04	− 0.10	**+20.76**	9 5 54.60	46.112	− 2.38	+ 9.5	22 38 45.65	.....	+29 45 4.7	....
14	μ Pegasi	9	45 17.68	− 0.09	**+20.74**	14 43 53.55	44.492	− 2.38	+ 15.5	22 45 38.30	.....	+24 7 36.8	....
15	α Pegasi	9	59 54.90	− 0.08	**+20.68**	24 7 54.20	44.990	− 2.38	+ 26.4	23 0 15.54	.....	+14 43 13.9	....
	November 26, L.												
16	δ Eridani	9	38 35.79	− 0.08	**+20.62**	48 53 55.20	46.462	− 2.16	+1 8.3	3 38 56.40	.....	−10 4 2.8	....
17	η Tauri	9	41 47.20	− 0.10	**+20.70**	15 1 53.40	44.232	− 2.14	+ 16.0	3 42 7.79	.....	+23 49 42.2	....
18	Moon I, S	9	58 27.38	− 0.09	+20.69	19 21 54.18	47.720	− 2.06	+ 21.0	3 58 47.98	+73.09	+19 28 19.7	....
19	Moon N	.	.. ..	....	.....	18 49 50.35	43.880	− 2.06	+ 20.4	.. ..	.....	+20 1 45.7	....
20	γ Tauri	9	14 19.48	− 0.09	**+20.73**	23 25 53.80	46.398	− 1.98	+ 25.9	4 14 40.09	.....	+15 24 42.2	....
21	δ Tauri	9	17 23.84	− 0.09	**+20.73**	21 31 53.72	43.170	− 1.96	+ 23.6	4 17 44.45	.....	+17 19 58.4	....
22	ε Tauri	9	23 0.86	− 0.09	**+20.72**	19 51 51.85	46.075	− 1.94	+ 21.6	4 23 21.47	.....	+18 58 55.8	....
23	α Tauri	9	30 24.61	− 0.09	**+20.70**	22 31 53.60	43.585	− 1.90	+ 24.8	4 30 45.22	.....	+16 19 47.7	....
24	τ Tauri	9	36 29.75	− 0.09	**+20.74**	16 3 52.48	45.638	− 1.87	+ 17.2	4 36 50.36	.....	+22 47 9.5	....
25	γ Orionis	9	19 57.51	− 0.08	**+20.72**	32 33 52.35	47.165	− 1.65	+ 38.1	5 20 18.13	.....	+ 6 16 13.7	....
26	δ Orionis	9	27 3.88	− 0.08	**+20.69**	39 11 55.10	46.692	− 1.61	+ 48.7	5 27 24.50	.....	− 0 21 48.9	....
27	ε Orionis	9	31 18.18	− 0.08	**+20.68**	40 5 54.48	45.678	− 1.59	+ 50.3	5 31 38.80	.....	− 1 15 26.7	....
28	ζ Orionis	9	35 52.42	− 0.08	**+20.71**	40 49 52.65	45.250	− 1.57	+ 51.7	5 36 13.05	.....	− 1 59 16.5	....
29	κ Orionis	9	43 8.75	− 0.08	**+20.69**	48 31 54.68	46.210	− 1.53	+1 7.7	5 43 29.38	.....	− 9 41 56.5	....
30	α Orionis	9	49 57.24	− 0.08	**+20.70**	31 27 52.35	43.770	− 1.50	+ 36.6	5 50 17.87	.....	+ 7 23 32.6	....
31	8 Monocerotis	9	18 39.11	− 0.08	**+20.77**	34 11 54.48	46.350	− 1.46	+ 40.7	6 18 59.74	.....	+ 4 38 27.4	....
32	4 B. Ursæ Minoris	9	8 42.78	− 5.46	+20.72	309 57 55.85	46.877	− 1.46	−1 11.4	8 8 58.04	.....	+88 54 5.9	....
33	ι Cancri	9	40 53.76	− 0.04	**+20.76**	9 45 52.92	45.230	− 1.46	+ 10.4	8 41 14.45	.....	+29 5 24.7	....
34	76 Draconis s. p.	9	48 44.84	+ 0.85	+20.73	301 5 46.92	43.780	− 1.46	−1 39.2	20 49 6.42	.....	+82 12 6.4	....
35	α Cancri	9	53 12.48	− 0.02	**+20.71**	26 37 52.52	46.720	− 1.46	+ 30.3	8 53 33.19	.....	+12 12 31.2	....
36	1 H. Draconis	9	23 59.87	− 0.66	+20.73	317 7 50.78	48.375	− 1.46	− 55.6	9 24 19.94	.....	+81 43 21.1	....
37	β Cephei s. p.	9	27 7.33	+ 0.38	+20.73	289 3 51.82	46.743	− 1.44	−2 51.7	21 27 28.44	.....	+70 10 6.5	....
38	λ Hydræ	9	5 50.16	− 0.01	**+20.72**	50 43 52.85	46.869	− 1.26	+1 13.6	10 6 10.89	.....	−11 54 15.9	....
39	30 H. Camelopardalis	7	19 50.14	− 0.80	+20.74	315 51 53.02	44.450	− 1.20	− 58.2	10 20 10.08	− 6.16	+83 0 50.9	+28.5
40	34 Sextantis	9	37 36.57	− 0.02	**+20.75**	34 47 52.72	43.910	− 1.11	+ 41.9	10 37 57.29	.....	+ 4 3 23.4	....
41	ν Hydræ	9	44 48.91	− 0.01	+20.74	54 33 53.08	43.135	− 1.08	+1 24.5	10 45 9.64	.....	−15 43 1.9	....
42	β Crateris	9	6 51.53	− 0.01	+20.74	61 9 52.02	43.907	− 0.98	+1 49.2	11 7 12.26	.....	−22 19 43.2	....
43	δ Crateris	9	14 28.11	− 0.01	[**+20.68**]	53 7 51.88	43.780	− 0.94	+1 20.3	11 14 48.85	.....	−14 17 11.4	....
44	ζ Crateris	9	39 49.43	− 0.01	+20.75	56 39 52.12	47.295	− 0.87	+1 31.5	11 40 10.17	.....	−17 50 43.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 16 8	30.020	48.6	48.8
20 46	30.040	49.0	48.8
21 10	......	....	48.0
21 32	......	....	47.0
21 45	30.052	47.2	47.0
22 5	......	....	46.3
22 24	30.042	46.3	46.0
22 41	......	....	45.2
23 2	30.048	45.8	45.0
3 39	30.072	40.3	39.9
4 4	......	....	39.8
4 24	......	....	39.1
4 37	30.076	40.0	39.0
5 21	30.066	39.9	39.1
5 37	......	....	37.9
5 51	......	....	37.7
6 19	30.074	38.6	37.7
8 9	30.086	36.8	35.4
8 42	......	....	35.0
8 54	......	....	35.0
9 28	30.100	36.1	35.6
10 7	......	....	35.4
10 40	30.112	36.0	35.2
11 8	......	....	35.0
11 15	......	....	35.1
11 41	30.132	36.2	35.7

Micrometer bisections are made at II, VI, except as noted below.

1, 18.	Bisections at I, II, III.
2, 19.	Bisections at V, VI, VII.
3, 7, 12, 32, 34, 39.	Bisections at b_4, b_5, b_6.
8.	Bisections at III, V.
36.	Bisections at b_4, b_6.
37.	Bisections at III, IV, V.
38, 41, 43, 44.	Bisections at I, II, VI, VII.
42.	Bisections at I, II, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.7	−16 14.3	...	−16 6.6
2	+ 7.7	+16 14.2	...	+16 21.9
18	+19 51.1	+16 26.4	...	+36 17.5
19	+19 17.8	−16 26.4	+0.1	+ 2 51.5

Notes.

24–29.	Images poor.
29.	Micrometer reading increased 1 rev.
32, 37.	Unsteady.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury C, C.	9	57 43.27	+ 0.06	+20.80	59 37 53.12	46.004	− 1.53	+1 40.1	15 58 4.13	0.00	−20 48 22.6	....
	November 27, L.												
2	Sun I, S.	9	9 59.62	+ 0.06	+20.80	60 11 53.02	47.725	− 1.53	+1 42.4	16 10 20.48	+69.98	−21 23 4.4	....
3	Sun II, N.	9	12 19.58	+ 0.06	+20.80	59 39 50.48	46.765	− 1.53	+1 40.2	16 12 40.44	−69.98	−20 50 37.2	....
4	Venus I, S.	9	37 21.43	− 0.04	+20.82	63 19 52.00	44.920	− 2.42	+1 55.4	19 37 42.21	+ 0.89	−24 30 11.1	....
5	76 Draconis.	9	48 46.03	− 0.84	+20.85	316 39 51.25	46.390	− 2.42	− 54.7	20 49 6.04	.....	+82 12 6.0	....
6	1 H. Draconis s. p.	9	23 58.39	+ 0.76	+20.85	300 35 52.88	46.785	− 2.42	−1 38.3	9 24 20.00	.....	+81 43 21.0	....
7	β Cephei.	9	27 7.87	− 0.28	+20.85	328 41 53.28	45.445	− 2.42	− 35.4	21 27 28.44	.....	+70 10 6.3	....
8	ε Pegasi.	9	39 23.57	− 0.07	+20.89	29 23 52.00	43.612	− 2.42	+ 33.0	21 39 44.36	.....	+ 9 27 41.1	....
9	16 Pegasi.	9	48 35.72	− 0.08	+20.86	13 21 51.05	43.298	− 2.42	+ 14.0	21 48 56.50	.....	+25 30 8.1	....
10	30 H. Camelopardalis s. p.	9	19 48.76	+ 0.78	+20.86	301 53 48.88	45.452	− 2.42	−1 33.8	10 20 10.40	− 6.26	+83 0 51.0	+28.6
	November 27, P.												
11	α Tauri.	9	30 24.36	− 0.08	+20.96	22 31 50.32	43.772	− 1.86	+ 24.7	4 30 45.24	.....	+16 19 46.8	....
12	τ Tauri.	8	36 29.52	− 0.08	+20.97	16 3 49.60	45.800	− 1.86	+ 17.2	4 36 50.40	.....	+22 47 8.7	....
13	ι Tauri.	9	45 45.48	− 0.08	+20.96	20 9 49.98	45.188	− 1.86	+ 21.9	4 46 6.36	.....	+18 41 17.6	....
14	Moon N.	.	.. ..	....	.....	15 7 50.22	43.632	− 1.86	+ 16.2	.. ..	.....	+23 44 0.5	....
15	Moon II, S.	9	4 37.82	− 0.08	+20.97	15 39 51.68	46.210	− 1.86	+ 16.8	5 4 58.71	−74.37	+23 10 55.7	....
16	β Tauri.	9	20 15.09	− 0.08	+20.96	10 19 50.32	43.855	− 1.86	+ 10.9	5 20 35.98	.....	+28 31 58.7	....
17	ζ Tauri.	9	31 54.91	− 0.08	+20.97	17 45 50.88	45.113	− 1.86	+ 19.2	5 32 15.80	.....	+21 5 21.1	....
18	1 Geminorum.	9	58 17.86	− 0.08	+21.00	15 33 50.22	48.275	− 1.86	+ 16.8	5 58 38.75	.....	+23 16 11.9	....
19	β Canis Majoris.	9	18 23.48	− 0.08	+20.91	56 43 50.45	46.795	− 1.86	+1 31.4	6 18 44.38	.....	−17 54 29.0	....
	November 28, M.												
20	ι Tauri.	9	57 21.75	− 0.14	+21.22	17 23 52.50	44.037	− 1.73	+ 18.1	4 57 42.79	.....	+21 27 45.1	....
21	β Tauri.	9	20 14.94	− 0.14	+21.19	10 19 51.70	43.880	− 1.73	+ 10.5	5 20 35.98	.....	+28 31 57.0	....
22	δ Orionis.	9	27 3.52	− 0.14	+21.14	39 11 54.00	46.928	− 1.73	+ 46.9	5 27 24.56	.....	− 0 21 51.3	....
23	ζ Tauri.	9	31 54.79	− 0.14	+21.17	17 45 52.18	45.155	− 1.73	+ 18.5	5 32 15.83	.....	+21 5 19.4	....
24	ζ Orionis.	9	35 52.04	− 0.14	+21.19	40 49 51.55	45.455	− 1.73	+ 49.7	5 36 13.08	.....	− 1 59 18.0	....
25	κ Orionis.	9	43 8.42	− 0.14	+21.12	48 31 52.62	46.540	− 1.73	+1 5.0	5 43 29.46	.....	− 9 41 59.1	....
26	α Orionis.	9	49 56.83	− 0.13	+21.20	31 27 52.78	43.910	− 1.73	+ 35.1	5 50 17.88	.....	+ 7 23 30.7	....
27	Moon N.	.	.. ..	....	.....	13 9 50.90	46.340	− 1.71	+ 13.5	.. ..	.....	+25 40 59.2	....
28	Moon II, S.	9	9 33.83	− 0.14	+21.19	13 41 52.50	47.895	− 1.71	+ 14.0	6 9 54.88	−74.55	+25 8 20.3	....
29	8 Monocerotis.	7	18 38.78	− 0.13	+21.20	34 11 52.55	46.580	− 1.73	+ 39.0	6 18 59.84	.....	+ 4 38 25.9	....
30	ν Geminorum.	9	23 15.88	− 0.14	+21.21	18 33 52.95	47.970	− 1.73	+ 19.3	6 23 36.93	.....	+20 16 13.5	....
	November 29, M.												
31	Sun I, S.	9	18 33.07	− 0.22	+21.25	60 33 54.35	45.673	− 1.55	+1 43.0	16 18 54.10	+70.04	−21 44 19.4	....
32	Sun II, N.	9	20 53.16	− 0.22	+21.25	60 1 55.25	44.543	− 1.55	+1 40.7	16 21 14.19	−70.05	−21 11 51.6	....
33	76 Draconis.	9	48 45.05	− 0.36	+21.26	316 39 53.12	46.283	− 1.87	− 55.0	20 49 5.95	.....	+82 12 6.4	....
34	1 H. Draconis s. p.	9	23 58.74	+ 0.24	+21.27	300 35 52.10	46.790	− 1.87	−1 38.6	9 24 20.25	.....	+81 43 20.5	.. .
35	β Cephei.	9	27 7.24	− 0.18	+21.27	328 41 53.18	45.418	− 1.87	− 35.6	21 27 28.33	.....	+70 10 6.7	....
36	30 H. Camelopardalis s. p.	8	19 49.20	+ 0.29	+21.28	301 53 51.70	45.268	− 1.87	−1 34.1	10 20 10.77	− 6.68	+83 0 49.9	+28.8
37	τ Aquarii.	9	44 27.43	− 0.17	+21.28	52 53 52.25	46.678	− 1.87	+1 17.9	22 44 48.54	− 1.94	−14 4 14.8	− 8.1
38	λ Aquarii.	9	47 32.91	− 0.16	+21.26	46 53 53.15	45.788	− 1.87	+1 3.0	22 47 54.03	.....	− 8 3 40.5	....
39	δ Aquarii.	9	49 30.32	− 0.17	+21.18	55 7 52.10	46.240	− 1.87	+1 24.5	22 49 51.43	.....	−16 18 11.1	....
40	β Pegasi.	9	59 2.27	− 0.13	+21.30	11 15 52.48	44.438	− 1.87	+ 11.8	22 59 23.42	.....	+27 35 42.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 15 58	30.166	48.0	47.8
27 16 12	30.170	48.2	48.3
19 37	30.146	52.7	52.9
20 49	30.150	51.3	52.0
21 28	30.152	49.8	49.5
21 49	......	....	49.0
22 21	30.160	48.0	48.0
4 28	30.136	40.1	41.0
4 53	......	....	40.7
5 5	......	....	40.7
5 36	30.137	40.0	40.5
6 2	......	....	38.0
6 20	30.136	38.2	37.5
28 4 57	29.840	52.2	53.1
5 20	......	....	53.0
5 43	......	....	53.7
6 10	29.820	53.0	54.4
6 23	29.820	53.3	55.1
29 16 21	29.906*	50.1	48.2
20 49	29.928	47.4	46.0
21 27	29.930	45.8	44.2
22 28	29.940	43.9	42.7
22 44	......	....	42.7
22 59	......	....	42.3

Micrometer bisections are made at II, VI, except as noted below.

1, 4.	Bisections at I, II, VI, VII.
2, 14, 27, 31.	Bisections at I, II, III.
3, 15, 28, 32.	Bisections at V, VI, VII.
5, 6, 10, 33–36.	Bisections at b_4, b_5, b_6.
7.	Bisections at b_4, b_6.
17, 20.	Bisections at II, VI, VII.
29.	Bisection at II.
37, 38.	Bisections at I, II.

Notes.

29. Clouds.

33. Faint.

* Barometer reading changed from 29.06 in. to 29.906 in.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.3	.. ....	0.0	+ 5.3
2	+ 7.7	+16 13.6	...	+16 21.3
3	+ 7.7	−16 13.6	...	−16 5.9
4	+ 11.1	+ 12.1	...	+ 23.2
14	+15 25.4	−16 16.1	...	− 0 50.7
15	+15 58.6	+16 16.1	− 0.6	+32 14.1
27	+13 16.8	−16 3.3	...	− 2 46.5
28	+13 49.4	+16 3.3	− 0.3	+29 52.4
31	+ 7.8	+16 13.8	...	+16 21.6
32	+ 7.7	−16 13.9	...	−16 6.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	c^2 Aquarii	9	4 16.84	− 0.18	+21.28	60 29 53.72	44.518	− 1.87	+1 44.1	23 4 37.94	.....	−21 39 52.9	....
2	ψ^3 Aquarii	9	13 54.73	− 0.16	+21.28	48 55 53.22	47.338	− 1.87	+1 7.8	23 14 15.85	− 2.07	−10 6 20.6	−10.4
3	b^1 Aquarii	9	17 52.70	− 0.18	+21.28	59 25 52.58	44.392	− 1.87	+1 39.8	23 18 13.80	− 2.16	−20 35 44.6	− 6.8
4	κ Piscium	9	21 56.99	− 0.15	**+21.29**	38 5 52.98	43.012	− 1.87	+ 46.3	23 22 18.12	.....	+ 0 45 40.0	....
	November 29, P.												
5	γ Orionis	9	19 56.95	− 0.08	**+21.33**	32 33 50.88	47.268	− 1.67	+ 38.4	5 20 18.15	.....	+ 6 16 12.5	....
6	δ Orionis	9	27 3.36	− 0.08	**+21.26**	39 11 52.55	46.855	− 1.62	+ 49.1	5 27 24.56	.....	− 0 21 50.5	....
7	ζ Tauri	9	31 54.67	− 0.07	**+21.24**	17 45 51.92	45.055	− 1.58	+ 19.3	5 32 15.88	.....	+21 5 21.0	....
8	ζ Orionis	9	35 51.93	− 0.08	**+21.25**	40 49 51.50	45.275	− 1.55	+ 52.0	5 36 13.13	.....	− 1 59 16.3	....
9	κ Orionis	9	43 8.22	− 0.08	**+21.28**	48 31 53.18	46.285	− 1.49	+1 8.1	5 43 29.42	.....	− 9 41 57.2	....
10	α Orionis	9	49 56.70	− 0.07	**+21.29**	31 27 54.00	43.662	− 1.45	+ 36.8	5 50 17.91	.....	+ 7 23 33.2	....
11	1 Geminorum	9	58 17.58	− 0.06	**+21.31**	15 33 50.90	48.218	− 1.38	+ 16.8	5 58 38.80	.....	+23 16 12.0	....
12	8 Monocerotis	9	18 38.62	− 0.06	**+21.31**	34 11 52.08	46.438	− 1.23	+ 40.9	6 18 59.84	.....	+ 4 38 27.3	....
13	ν Geminorum	9	23 15.76	− 0.05	**+21.26**	18 33 51.30	47.918	− 1.20	+ 20.3	6 23 36.99	.....	+20 16 14.8	....
14	ζ Geminorum	9	58 24.75	− 0.04	**+21.33**	18 7 51.95	47.902	− 0.94	+ 19.8	6 58 46.00	.....	+20 42 14.8	....
15	Moon S	.	.. ..	....	.....	13 35 50.28	43.645	− 0.82	+ 14.6	.. ..	.....	+25 15 58.1	....
16	Moon II, N	9	13 33.26	− 0.04	+21.29	13 3 53.20	43.325	− 0.82	+ 14.0	7 13 54.51	−73.37	+25 48 4.5	....
17	κ Geminorum	9	38 39.25	− 0.03	**+21.36**	14 13 50.40	46.378	− 0.78	+ 15.3	7 39 0.51	.....	+24 36 55.5	....
18	ι Cancri	9	40 53.28	− 0.02	**+21.32**	9 45 51.22	45.272	− 0.78	+ 10.4	8 41 14.56	.....	+29 5 24.8	....
19	ζ Hydræ	9	50 16.30	− 0.02	**+21.32**	32 33 49.40	43.950	− 0.78	+ 38.4	8 50 37.58	.....	+ 6 17 28.9	....
20	α Cancri	9	53 11.96	− 0.01	**+21.32**	26 37 51.58	46.755	− 0.78	+ 30.2	8 53 33.25	.....	+12 12 30.8	....
21	1 H. Draconis	9	23 59.20	− 0.34	+21.31	317 7 46.58	48.545	− 0.78	− 55.6	9 24 20.17	.....	+81 43 20.7	....
22	β Cephei s. p.	9	27 6.75	+ 0.27	+21.31	289 3 50.40	46.750	− 0.78	−2 51.6	21 27 28.33	.....	+70 10 6.1	....
23	α Leonis	9	3 12.48	+ 0.01	**+21.28**	26 25 53.05	46.575	− 0.78	+ 30.0	10 3 33.80	.....	+12 24 33.7	....
24	ζ Leonis	9	11 18.75	+ 0.01	**+21.35**	14 57 51.30	48.662	− 0.78	+ 16.2	10 11 40.07	.....	+23 52 1.5	....
25	γ Leonis (*pr.*)	9	14 38.27	+ 0.01	**+21.33**	18 33 49.32	43.662	− 0.78	+ 20.3	10 14 59.59	.....	+20 17 53.6	....
26	30 H. Camelopardalis	9	19 50.18	− 0.40	+21.31	315 51 49.95	44.590	− 0.78	− 58.2	10 20 11.09	− 6.80	+83 0 50.3	+28.9
27	ρ Leonis	9	27 41.92	+ 0.01	**+21.28**	29 3 53.15	47.025	− 0.78	+ 33.5	10 28 3.24	.....	+ 9 46 19.8	....
28	34 Sextantis	9	37 36.08	+ 0.01	**+21.31**	34 47 51.82	43.958	− 0.78	+ 41.8	10 37 57.40	.....	+ 4 3 22.9	....
29	α Crateris	9	55 0.64	0.00	**+21.25**	56 37 51.12	47.765	− 0.78	+1 31.2	10 55 21.96	.....	−17 48 52.7	....
	November 30, P.												
30	Sun I	9	22 50.66	+ 0.06	+21.35	60 28	......	....	. ....	16 23 12.07	+70.18	.. ..	....
31	Sun II	9	25 11.02	+ 0.06	+21.35	... .	......	....	. ....	16 25 32.43	−70.18	.. ..	....
32	1 H. Draconis s. p.	9	23 58.61	+ 0.55	+21.38	300 35 49.55	46.943	− 1.41	−1 39.1	9 24 20.54	.....	+81 43 21.4	....
33	β Cephei	9	27 7.10	− 0.11	+21.38	328 41 50.85	45.538	− 1.41	− 35.7	21 27 28.37	.....	+70 10 5.8	....
34	30 H. Camelopardalis s. p.	9	19 48.91	+ 0.63	+21.39	301 53 48.88	45.417	− 1.41	−1 34.6	10 20 10.93	− 6.92	+83 0 50.4	+28.9
35	τ Aquarii	9	44 27.05	− 0.01	+21.39	52 53 50.68	46.702	− 1.41	+1 18.3	22 44 48.43	− 1.93	−14 4 14.6	− 8.0
36	μ Pegasi	7	45 16.83	0.00	**+21.44**	14 43 52.02	44.525	− 1.41	+ 15.6	22 45 38.22	.....	+24 7 36.7	....
37	δ Aquarii	9	49 29.97	− 0.01	**+21.36**	55 7 52.22	46.188	− 1.41	+1 25.0	22 49 51.35	.....	−16 18 11.0	....
38	α Pegasi	8	59 54.08	0.00	**+21.37**	24 7 52.55	45.002	− 1.41	+ 26.6	23 0 15.48	.....	+14 43 14.1	....
39	c^2 Aquarii	9	4 16.61	− 0.01	+21.40	60 29 52.20	44.560	− 1.41	+1 44.6	23 4 38.00	.....	−21 39 53.3	....
40	τ Pegasi	9	15 48.38	0.00	**+21.37**	15 35 50.35	46.422	− 1.41	+ 16.6	23 16 9.78	.....	+23 14 53.9	....
41	b^1 Aquarii	9	17 52.38	− 0.01	+21.40	59 25 52.32	44.345	− 1.41	+1 40.2	23 18 13.77	− 2.15	−20 35 44.1	− 6.7
42	θ Piscium	9	23 1.73	0.00	**+21.38**	32 57 50.95	45.118	− 1.41	+ 38.5	23 23 23.13	.....	+ 5 53 1.2	....
43	ω^2 Aquarii	9	37 41.13	− 0.01	+21.40	53 51 51.62	47.812	− 1.41	+1 21.2	23 38 2.52	.....	−15 2 43.8	....
44	i^1 Aquarii	9	39 9.92	− 0.01	**+21.34**	57 35 51.22	47.465	− 1.41	+1 33.3	23 39 31.31	.....	−18 46 47.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 23 22	29.940	42.5	41.7
5 18	29.942	36.0	34.0
5 40	......	....	33.1
6 1	......	....	32.9
6 26	29.930	35.0	33.0
6 56	......	....	32.9
7 14	29.926	34.8	32.8
7 41	......	....	33.2
8 39	29.945	35.0	34.0
9 0	......	....	33.9
9 21	......	....	33.5
9 32	......	....	33.1
10 1	29.945	34.2	32.8
10 24	......	....	33.1
10 40	......	....	33.7
10 57	29.950	34.0	33.6
30 21 20	29.970	43.6	43.0
22 16	29.976	42.0	41.0
22 40	......	....	41.0
22 54	......	....	40.7
23 10	29.986	41.2	40.3
23 30	......	....	40.8
23 41	29.988	41.3	40.9

Micrometer bisections are made at II, VI, except as noted below.

15.	Bisections at I, II, III.
16.	Bisections at V, VI, VII.
21, 22, 26, 32, 34.	Bisections at b_4, b_5, b_6.
33.	Bisections at III, V.
35, 43.	Bisections at I, II.
36.	Bisections at VI, VII.

Note.

1–4. Conditions poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
15	+13 29.2	+15 47.7	...	+29 16.9
16	+12 57.6	−15 47.7	+ 0.6	− 2 49.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 30, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Orionis	9	19 56.84	+ 0.02	**+21.35**	32 33 51.90	47.190	− 0.88	+ 38.2	5 20 18.24	.....	+ 6 16 12.7	....
2	δ Orionis	9	27 3.13	+ 0.02	**+21.41**	39 11 55.25	46.698	− 0.88	+ 48.7	5 27 24.53	.....	− 0 21 49.9	....
3	ε Orionis	9	31 17.52	+ 0.02	**+21.31**	40 5 54.58	45.672	− 0.88	+ 50.3	5 31 38.92	.....	− 1 15 27.4	....
4	ζ Orionis	9	35 51.73	+ 0.02	**+21.37**	40 49 53.00	45.198	− 0.88	+ 51.6	5 36 13.13	.....	− 1 59 16.3	....
5	κ Orionis	9	43 8.01	+ 0.02	**+21.40**	48 31 53.92	46.245	− 0.88	+1 7.6	5 43 29.42	.....	− 9 41 57.1	....
6	α Orionis	9	49 56.52	+ 0.02	**+21.40**	31 27 52.82	43.718	− 0.88	+ 36.6	5 50 17.93	.....	+ 7 23 32.7	....
7	8 Monocerotis	9	18 38.38	+ 0.02	**+21.49**	34 11 53.00	46.385	− 0.88	+ 40.8	6 18 59.79	.....	+ 4 38 27.4	....
8	χ Geminorum	9	57 37.71	+ 0.03	**+21.40**	10 47 51.85	46.602	− 0.93	+ 11.6	7 57 59.14	.....	+28 2 52.7	....
9	ζ Cancri	9	6 41.17	+ 0.03	+21.40	20 55 52.98	45.015	− 0.93	+ 23.2	8 7 2.60	.....	+17 55 16.3	....
10	Moon II, S	9	14 32.67	+ 0.03	+21.40	15 7 53.52	45.195	− 0.93	+ 16.4	8 14 54.10	−71.13	+23 43 18.5	....
11	d¹ Cancri	9	17 50.77	+ 0.03	+21.40	20 13 52.80	44.730	− 0.93	+ 22.3	8 18 12.20	.....	+18 37 23.9	....
12	η Cancri	9	27 8.31	+ 0.03	**+21.46**	18 5 52.50	46.110	− 0.93	+ 19.8	8 27 29.74	.....	+20 44 55.1	....
13	γ Cancri	9	37 42.72	+ 0.03	**+21.42**	17 3 52.85	44.235	− 0.93	+ 18.6	8 38 4.16	.....	+21 47 38.9	....
14	ι Cancri	9	40 53.18	+ 0.02	**+21.42**	9 45 51.58	45.265	− 0.93	+ 10.5	8 41 14.61	.....	+29 5 24.6	....
15	76 Draconis s. p	9	48 42.97	+ 0.84	+21.41	301 5 47.42	43.757	− 0.93	−1 39.5	20 49 5.22	.....	+82 12 6.6	....
16	1 H. Draconis	9	23 59.64	− 0.57	+21.41	317 7 50.55	48.392	− 0.93	− 55.6	9 24 20.48	.....	+81 43 20.4	....
17	β Cephei s. p	9	27 6.27	+ 0.44	+21.41	289 3 51.00	46.793	− 0.93	−2 51.8	21 27 28.12	.....	+70 10 7.3	....
18	30 H. Camelopardalis	9	19 50.51	− 0.84	+21.42	315 51 52.90	44.480	− 0.93	− 58.3	10 20 11.09	− 7.03	+83 0 50.1	+29.0
	December 1, L.												
19	Sun I, N	9	27 8.91	+ 0.09	+21.46	60 19 51.85	48.700	− 0.11	+1 42.6	16 27 30.46	+70.34	−21 31 27.1	....
20	Sun II, S	9	29 29.58	+ 0.09	+21.46	60 51 53.25	49.883	− 0.11	+1 44.8	16 29 51.13	−70.33	−22 3 57.2	....
21	γ Capricorni	9	34 43.22	+ 0.03	**+21.42**	55 53 54.15	46.450	− 0.91	+1 26.0	21 35 4.75	.....	−17 4 20.3	....
22	δ Capricorni	9	41 41.33	+ 0.03	**+21.48**	55 21 53.88	46.549	− 0.91	+1 24.4	21 42 2.86	.....	−16 32 20.7	....
23	μ Capricorni	9	48 0.31	+ 0.03	**+21.47**	52 47 53.18	47.894	− 0.91	+1 16.9	21 48 21.84	.....	−13 58 43.3	....
24	ι Aquarii	9	1 11.69	+ 0.03	**+21.41**	53 7 53.08	47.469	− 0.91	+1 17.9	22 1 33.22	.....	−14 18 34.5	....
25	30 H. Camelopardalis s. p.	9	19 48.97	+ 0.64	+21.51	301 53 50.00	45.293	− 0.91	−1 33.3	10 20 11.12	− 7.14	+83 0 50.5	+29.1
26	τ Aquarii	9	44 26.92	+ 0.03	+21.51	52 53 53.58	46.610	− 0.91	+1 17.3	22 44 48.46	− 1.92	−14 4 14.7	− 7.9
27	δ Aquarii	9	49 29.89	+ 0.03	**+21.39**	55 7 54.15	46.110	− 0.91	+1 23.9	22 49 51.43	.....	−16 18 10.5	....
28	α Pegasi	9	59 53.88	+ 0.03	**+21.53**	24 7 53.52	44.965	− 0.91	+ 26.3	23 0 15.42	.....	+14 43 13.8	....
29	τ Pegasi	9	15 48.22	+ 0.03	**+21.49**	15 35 52.75	46.318	− 0.91	+ 16.4	23 16 9.76	.....	+23 14 53.5	....
30	39 H. Cephei	9	27 27.67	− 1.06	+21.51	312 3 50.90	44.765	− 0.91	−1 4.6	23 27 48.12	.....	+86 48 51.9	....
	December 1, M.												
31	γ Orionis	9	19 56.57	0.00	**+21.66**	32 33 48.95	47.330	− 1.16	+ 38.2	5 20 18.23	.....	+ 6 16 12.7	....
32	δ Orionis	9	27 2.89	0.00	**+21.69**	39 11 50.95	46.935	− 1.16	+ 48.7	5 27 24.55	.....	− 0 21 50.8	....
33	ζ Orionis	9	35 51.42	0.00	**+21.72**	40 49 50.20	45.365	− 1.16	+ 51.6	5 36 13.08	.....	− 1 59 17.0	....
34	κ Orionis	9	43 7.79	− 0.01	**+21.67**	48 31 51.30	46.418	− 1.16	+1 7.6	5 43 29.44	.....	− 9 41 58.1	....
35	α Orionis	9	49 56.27	0.00	**+21.69**	31 27 50.02	43.881	− 1.16	+ 36.6	5 50 17.93	.....	+ 7 23 32.0	....
36	8 Monocerotis	9	18 38.12	0.00	**+21.80**	34 11 51.00	46.540	− 1.09	+ 40.5	6 18 59.79	.....	+ 4 38 26.3	....
37	76 Draconis s. p	9	48 42.69	+ 0.61	+21.69	301 5 50.70	43.480	− 0.57	−1 38.1	20 49 4.99	.....	+82 12 5.3	....
38	α Cancri	9	53 11.59	+ 0.03	**+21.72**	26 37 50.22	46.908	− 0.57	+ 29.9	8 53 33.31	.....	+12 12 28.8	....
39	Moon II, S	9	11 20.89	+ 0.03	+21.69	18 1 50.45	45.796	− 0.57	+ 19.5	9 11 42.61	−68.39	+20 49 4.3	....
40	1 H. Draconis	9	23 59.56	− 0.36	+21.69	317 7 50.95	48.322	− 0.57	− 55.1	9 24 20.89	.....	+81 43 20.7	....
41	ξ Leonis	9	26 43.23	+ 0.04	**+21.69**	27 7 51.48	48.032	− 0.57	+ 30.6	9 27 4.96	.....	+11 42 1.1	....
42	α Leonis	9	3 12.09	+ 0.05	**+21.70**	26 25 49.70	46.765	− 0.57	+ 29.6	10 3 33.83	.....	+12 24 32.9	....
43	ζ Leonis	8	11 18.38	+ 0.05	**+21.76**	14 57 49.30	48.775	− 0.57	+ 16.0	10 11 40.13	.....	+23 52 0.9	....
44	γ Leonis (*pr.*)	9	14 37.93	+ 0.05	**+21.70**	18 33 50.20	43.665	− 0.57	+ 20.0	10 14 59.68	.....	+20 17 52.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 5 21	29.950	37.9	37.2
5 37	......	....	36.7
5 51	......	....	36.0
6 19	29.944	35.8	34.9
7 58	29.930	33.6	30.9
8 19	......	....	30.7
8 42	......	....	31.0
9 28	29.910	33.0	32.2
10 21	29.916	32.0	31.6
1 16 29	29.890	44.9	45.7
21 36	29.806	45.9	45.9
21 47	......	....	45.6
22 2	......	....	45.1
22 21	29.798	44.1	44.8
22 50	......	....	44.1
23 17	......	....	44.0
23 30	29.800	44.1	43.7
5 20	29.710	33.8	33.1
5 59	......	....	32.8
6 19	29.706	34.3	31.3
8 49	29.682	36.7	34.0
9 11	......	....	31.8
9 27	......	....	32.8
10 3	29.660	34.2	33.9

Micrometer bisections are made at II, VI, except as noted below.

10, 39.	Bisections at II, III, IV, V, VI.
15, 17, 18, 25, 30, 37, 40.	Bisections at b_4, b_5, b_6.
16.	Bisections at b_4, b_6.
19.	Bisections at I, II, III.
20.	Bisections at V, VI, VII.
21–24, 26, 27, 35.	Bisections at I, II, VI, VII.

Notes.

9. Assumed that mean of close double was observed.
30. Circle reading decreased 2′.
37. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+14 45.6	+15 34.6	...	+30 20.2
19	+ 7.7	−16 15.0	...	−16 7.3
20	+ 7.8	+16 15.0	...	+16 22.8
39	+17 15.7	+15 20.4	...	+32 36.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	30 H. Camelopardalis....	8	19 49.80	− 0.43	+21.70	315 51 51.32	44.468	− 0.57	− 57.6	10 20 11.07	− 7.26	+83 0 50.9	+29.1
2	α Crateris.............	9	55 0.23	+ 0.05	**+21.68**	56 37 48.98	47.900	− 0.57	+1 30.7	10 55 21.98	.....	−17 48 53.3	....
	December 2, M.												
3	Sun I, N............	8	31 27.91	+ 0.08	+21.73	60 29 52.40	46.612	− 0.56	+1 42.6	16 31 49.72	+70.30	−21 40 39.5	....
4	Sun II, S............	9	33 48.51	+ 0.08	+21.73	61 1 52.60	47.852	− 0.56	+1 44.9	16 34 10.32	−70.30	−22 13 9.8	....
5	σ Aquarii............	9	25 30.02	− 0.01	**+21.76**	49 57 49.80	47.822	− 1.12	+1 9.9	22 25 51.78	.....	−11 8 31.1	....
6	τ Aquarii............	9	44 26.65	− 0.01	+21.77	52 53 48.45	46.812	− 1.12	+1 17.7	22 44 48.41	− 1.91	−14 4 14.5	− 7.9
7	δ Aquarii............	9	49 29.59	− 0.01	**+21.72**	55 7 48.98	46.370	− 1.12	+1 24.3	22 49 51.35	.....	−16 18 11.5	....
8	c^2 Aquarii............	9	4 16.13	− 0.01	+21.77	60 29 48.30	44.758	− 1.12	+1 43.7	23 4 37.89	.....	−21 39 53.3	....
9	ψ^3 Aquarii............	9	13 53.98	− 0.01	+21.77	48 55 50.28	47.478	− 1.12	+1 7.6	23 14 15.74	− 2.03	−10 6 21.4	−10.1
10	b^1 Aquarii............	9	17 52.01	− 0.01	+21.77	59 25 49.02	44.535	− 1.12	+1 39.5	23 18 13.77	− 2.13	−20 35 44.8	− 6.5
	December 2, P.												
11	Moon II, S............	9	3 49.29	+ 0.02	+21.80	21 55 50.22	47.095	− 1.20	+ 23.9	10 4 11.11	**−65.70**	+16 54 31.1	....
12	ζ Leonis............	9	11 18.34	+ 0.02	**+21.86**	14 57 50.22	48.767	− 1.20	+ 15.9	10 11 40.16	.....	+23 52 0.9	....
13	γ Leonis (*pr.*)............	9	14 37.97	+ 0.02	**+21.72**	18 33 50.32	43.648	− 1.20	+ 20.0	10 14 59.79	.....	+20 17 53.7	....
14	41 Leonis Minoris........	9	38 8.50	+ 0.02	**+21.81**	15 11 49.18	44.550	− 1.20	+ 16.2	10 38 30.33	.....	+23 39 38.0	....
15	*l* Leonis............	9	44 8.62	+ 0.02	**+21.84**	27 49 51.55	44.325	− 1.20	+ 31.4	10 44 30.45	.....	+11 1 25.6	....
16	δ Leonis............	9	8 56.25	+ 0.02	**+21.86**	17 49 51.52	45.751	− 1.20	+ 19.2	11 9 18.08	.....	+21 1 5.2	....
	December 3, P.												
17	Sun I, N............	9	35 47.93	+ 0.05	+21.85	60 37 51.88	48.630	− 1.51	+1 43.7	16 36 9.83	+70.43	−21 49 25.2	....
18	Sun II, S............	9	38 8.79	+ 0.05	+21.85	61 9 52.40	49.807	− 1.51	+1 46.0	16 38 30.69	−70.43	−22 21 54.5	....
19	30 H.Camelopardalis S. P.	9	19 49.16	+ 0.58	+21.90	301 53 45.92	45.517	− 2.11	−1 33.5	10 20 11.64	− 7.60	+83 0 50.1	+29.1
20	τ Aquarii............	9	44 26.58	+ 0.02	+21.90	52 53 49.60	46.862	− 2.11	+1 17.5	22 44 48.50	− 1.89	−14 4 15.6	− 7.8
21	δ Aquarii............	9	49 29.42	+ 0.02	**+21.84**	55 7 50.65	46.352	− 2.11	+1 24.1	22 49 51.34	.....	−16 18 11.6	....
22	α Pegasi............	9	59 53.48	+ 0.02	**+21.92**	24 7 50.88	45.140	− 2.11	+ 26.3	23 0 15.40	.....	+14 43 13.6	....
23	c^2 Aquarii............	9	4 16.06	+ 0.01	+21.91	60 29 50.08	44.762	− 2.11	+1 43.5	23 4 37.98	.....	−21 39 54.0	....
24	τ Pegasi............	9	15 47.80	+ 0.02	**+21.89**	15 35 49.28	46.502	− 2.11	+ 16.4	23 16 9.73	.....	+23 14 54.0	....
25	b^1 Aquarii............	9	17 51.85	+ 0.01	+21.91	59 25 49.78	44.542	− 2.11	+1 39.1	23 18 13.77	− 2.12	−20 35 44.1	− 6.4
26	κ Piscium............	9	21 56.16	+ 0.02	**+21.90**	38 5 50.52	43.128	− 2.11	+ 46.0	23 22 18.09	.....	+ 0 45 40.3	....
27	39 H. Cephei............	9	27 26.44	− 0.99	+21.91	312 3 46.95	44.968	− 2.11	−1 4.7	23 27 47.36	.....	+86 48 52.5	....
28	ω^2 Aquarii............	9	37 40.57	+ 0.02	+21.91	53 51 51.45	47.960	− 2.11	+1 20.3	23 38 2.50	.....	−15 2 45.2	....
29	ι^1 Aquarii............	9	39 9.32	+ 0.01	**+21.88**	57 35 50.35	47.600	− 2.11	+1 32.4	23 39 31.24	.....	−18 46 48.1	....
	December 3, L.												
30	γ Orionis............	9	19 56.39	+ 0.04	**+21.83**	32 33 51.62	47.262	− 1.67	+ 37.8	5 20 18.32	.....	+ 6 16 12.5	....
31	δ Orionis............	9	27 2.68	+ 0.04	**+21.89**	39 11 52.95	46.868	− 1.67	+ 48.2	5 27 24.61	.....	− 0 21 50.2	....
32	ζ Orionis............	9	35 51.20	+ 0.04	**+21.93**	40 49 51.88	45.345	− 1.67	+ 51.0	5 36 13.13	.....	− 1 59 16.9	....
33	κ Orionis............	9	43 7.53	+ 0.04	**+21.92**	48 31 53.08	46.405	− 1.67	+1 6.8	5 43 29.46	.....	− 9 41 58.3	....
34	α Orionis............	9	49 56.07	+ 0.04	**+21.88**	31 27 52.55	43.812	− 1.67	+ 36.2	5 50 18.01	.....	+ 7 23 32.0	....
35	8 Monocerotis............	9	18 37.96	+ 0.04	**+21.96**	34 11 52.62	46.482	− 1.67	+ 40.2	6 18 59.90	.....	+ 4 38 26.9	....
36	ε Hydræ............	9	41 38.23	+ 0.04	**+21.89**	32 5 52.25	44.898	− 1.67	+ 37.2	8 42 0.19	.....	+ 6 45 6.5	....
37	ζ Hydræ............	9	50 15.72	+ 0.04	**+21.97**	32 33 51.60	43.950	− 1.67	+ 37.8	8 50 37.68	.....	+ 6 17 28.2	....
38	ξ Leonis............	9	26 43.08	+ 0.04	**+21.91**	27 7 53.18	47.967	− 1.66	+ 30.4	9 27 5.04	.....	+11 42 2.3	....
39	γ Leonis (*pr.*)............	9	14 37.77	+ 0.04	**+21.94**	18 33 51.88	43.610	− 1.66	+ 20.0	10 14 59.74	.....	+20 17 53.4	....
40	30 H. Camelopardalis....	8	19 50.38	− 0.44	+21.93	315 51 51.12	44.558	− 1.66	− 57.3	10 20 11.87	− 7.70	+83 0 49.9	+29.2
41	ρ Leonis............	9	27 41.34	+ 0.04	**+21.97**	29 3 52.58	47.120	− 1.66	+ 33.0	10 28 3.31	.....	+ 9 46 19.6	....
42	34 Sextantis............	9	37 35.50	+ 0.04	**+21.99**	34 47 52.52	44.030	− 1.66	+ 41.2	10 37 57.47	.....	+ 4 3 22.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 10 20	29.652	34.0	33.1
10 55	29.652	32.8	31.7
2 16 34	29.650	44.0	44.6
22 26	29.660	41.8	40.2
23 4	......	....	39.7
23 18	29.676	40.3	39.1
9 59	29.698	37.8	36.0
10 20	......	....	35.8
10 41	......	....	35.2
11 2	......	....	35.1
11 20	29.695	36.1	35.1
3 16 38	29.710	43.9	43.4
22 17	29.686	42.9	41.9
22 40	......	....	41.0
23 37	......	....	41.0
23 42	29.695	41.0	41.0
5 21	29.684	38.1	38.0
5 37	......	....	38.0
5 51	......	....	37.6
6 19	29.690	38.2	37.5
8 42	29.698	37.8	37.1
9 28	......	....	36.4
10 15	29.702	36.9	36.1
10 29	......	....	36.1

Micrometer bisections are made at II, VI, except as noted below.

1, 19, 40.	Bisections at b_4, b_5, b_6.
2, 16.	Bisections at I, II, VI, VII.
3, 17.	Bisections at I, II, III.
4, 18.	Bisections at V, VI, VII.
11.	Bisections at II, III, IV, V, VI.
12, 28, 36, 38.	Bisections at II, VI, VII.
13, 31.	Bisections at II, VII.
25, 32.	Bisections at VI, VII.
27.	Bisections at b_4, b_6.

Notes.

5.	Haze.
12–16, 27, 31–33.	Clouds.
27.	Micrometer reading decreased 1 rev.
38.	Seeing very bad.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 7.8	−16 15.1	...	−16 7.3
4	+ 7.8	+16 15.2	...	+16 23.0
11	+20 34.9	+15 8.0	...	+35 42.9
17	+ 7.8	−16 14.6	...	−16 6.8
18	+ 7.8	+16 14.7	...	+16 22.5

No	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II, S.	9	52 32.50	+ 0.04	+21.93	26 31 53.05	46.995	− 1.66	+ 29.7	10 52 54.47	−63.46	+12 18 25.2	....
2	*d* Leonis	9	55 31.60	+ 0.04	+21.90	34 43 53.28	47.045	− 1.66	+ 41.2	10 55 53.57	.....	+ 4 6 12.4	....
3	θ Leonis	9	9 7.84	+ 0.04	+21.93	22 55 51.95	44.700	− 1.66	+ 25.1	11 9 29.81	.....	+15 55 23.4	....
4	δ Crateris	9	14 27.08	+ 0.04	+21.89	53 7 52.02	43.936	− 1.66	+1 19.0	11 14 49.05	.....	−14 17 13.0	....
5	39 H. Cephei s. p.	8	27 23.40	+ 1.29	+21.94	305 41 50.20	44.890	− 1.66	−1 22.1	23 27 46.63	.....	+86 48 51.9	....
6	γ Cephei s. p.	9	35 15.54	+ 0.40	+21.94	296 1 51.22	44.268	− 1.66	−2 0.4	23 35 37.88	.....	+77 8 0.5	....
	December 4, L.												
7	Sun I, S.	9	40 8.28	+ 0.07	+21.96	61 19 51.60	45.472	− 0.03	+1 44.6	16 40 30.31	+70.45	−22 30 15.2	....
8	Sun II, N.	9	42 29.19	+ 0.07	+21.96	60 47 51.58	44.303	− 0.03	+1 42.3	16 42 51.22	−70.46	−21 57 45.7	....
9	30 H. Camelopardalis s. p.	9	19 49.46	+ 0.24	+21.99	301 53 47.25	45.373	− 1.97	−1 32.0	10 20 11.69	− 7.80	+83 0 49.8	+29.2
10	σ Aquarii	9	25 29.81	− 0.04	+21.98	49 57 51.42	47.795	− 1.97	+1 8.7	22 25 51.76	.....	−11 8 30.0	....
11	τ Aquarii	9	44 26.48	− 0.04	+21.99	52 53 50.85	46.844	− 1.97	+1 16.3	22 44 48.43	− 1.88	−14 4 15.3	− 7.7
12	δ Aquarii	9	49 29.36	− 0.05	+21.96	55 7 49.88	46.435	− 1.97	+1 22.8	22 49 51.30	.....	−16 18 11.5	....
13	α Pegasi	9	59 53.41	− 0.02	+22.01	24 7 50.65	45.150	− 1.97	+ 25.9	23 0 15.38	.....	+14 43 13.9	....
14	c^2 Aquarii	9	4 15.99	− 0.05	+21.99	60 29 49.98	44.789	− 1.97	+1 41.8	23 4 37.93	.....	−21 39 52.9	....
15	τ Pegasi	9	15 47.76	− 0.02	+21.96	15 35 50.00	46.478	− 1.97	+ 16.2	23 16 9.73	.....	+23 14 53.9	....
16	b^1 Aquarii	9	17 51.79	− 0.05	+21.99	59 25 48.38	44.658	− 1.97	+1 37.7	23 18 13.73	− 2.10	−20 35 44.2	− 6.3
17	39 H. Cephei	7	27 25.49	− 0.42	+21.99	312 3 47.85	44.882	− 1.97	−1 3.8	23 27 47.06	.....	+86 48 52.5	....
18	γ Cephei	9	35 16.09	− 0.08	+21.99	321 43 51.18	46.243	− 1.97	− 45.5	23 35 38.00	.....	+77 7 59.8	....
19	ι^1 Aquarii	9	39 9.23	− 0.05	+22.02	57 35 50.78	47.628	− 1.97	+1 31.1	23 39 31.18	.....	−18 46 47.9	....
	December 4, P.												
20	α Leonis	9	3 11.86	− 0.03	+22.12	26 25 49.88	46.792	− 0.99	+ 29.2	10 3 33.96	.....	+12 24 32.9	....
21	30 H. Camelopardalis	9	19 50.61	− 0.15	+22.13	315 51 47.55	44.617	− 0.99	− 56.5	10 20 12.59	− 7.91	+83 0 50.6	+29.2
22	ρ Leonis	9	27 41.22	− 0.03	+22.20	29 3 51.20	47.182	− 0.99	+ 32.6	10 28 3.32	.....	+ 9 46 19.3	....
23	34 Sextantis	9	37 35.47	− 0.03	+22.13	34 47 49.18	44.160	− 0.99	+ 40.6	10 37 57.57	.....	+ 4 3 22.3	....
24	*d* Leonis	9	55 31.47	− 0.03	+22.14	34 43 49.85	47.172	− 0.99	+ 40.6	10 55 53.57	.....	+ 4 6 12.9	....
25	θ Leonis	9	9 7.73	− 0.02	+22.14	22 55 49.48	44.788	− 0.99	+ 24.8	11 9 29.85	.....	+15 55 23.5	....
26	δ Crateris	9	14 27.01	− 0.05	+22.09	53 7 48.85	44.108	− 0.99	+1 17.8	11 14 49.10	.....	−14 17 13.3	....
27	τ Leonis	9	22 55.08	− 0.03	+22.14	35 29 48.52	44.370	− 0.99	+ 41.7	11 23 17.19	.....	+ 3 21 17.1	....
28	39 H. Cephei s. p.	9	27 23.33	+ 0.43	+22.14	305 41 45.70	44.988	− 0.99	−1 20.9	23 27 45.90	.....	+86 48 51.5	....
29	Moon II, S.	9	38 29.33	− 0.03	+22.14	31 33 49.80	48.222	− 0.99	+ 36.0	11 38 51.44	−61.87	+ 7 15 53.5	....
	December 5, M.												
30	γ Orionis	9	19 56.03	− 0.06	+22.32	32 33 47.02	47.510	− 1.02	+ 37.2	5 20 18.30	.....	+ 6 16 11.4	....
31	δ Orionis	9	27 2.36	− 0.06	+22.34	39 11 49.08	47.118	− 1.02	+ 47.5	5 27 24.64	.....	− 0 21 52.0	....
32	ε Orionis	9	31 16.68	− 0.06	+22.31	40 5 48.00	46.097	− 1.02	+ 49.0	5 31 38.96	.....	− 1 15 29.0	....
33	ζ Orionis	9	35 50.90	− 0.06	+22.36	40 49 45.95	45.648	− 1.02	+ 50.3	5 36 13.18	.....	− 1 59 18.1	....
34	κ Orionis	9	43 7.27	− 0.07	+22.32	48 31 47.75	46.680	− 1.02	+1 5.9	5 43 29.54	.....	− 9 41 59.0	....
35	α Orionis	9	49 55.78	− 0.06	+22.31	31 27 47.85	44.078	− 1.02	+ 35.7	5 50 18.06	.....	+ 7 23 30.6	....
36	8 Monocerotis	9	18 37.68	− 0.06	+22.38	34 11 47.65	46.792	− 1.02	+ 39.6	6 18 59.96	.....	+ 4 38 24.9	....
37	α Hydræ	9	22 47.02	− 0.07	+22.35	47 5 48.48	46.534	− 1.02	+1 2.9	9 23 9.31	.....	− 8 15 53.4	....
38	α Leonis	9	3 11.65	− 0.05	+22.38	26 25 47.65	46.945	− 0.79	+ 29.2	10 3 33.97	.....	+12 24 31.4	....
39	30 H. Camelopardalis	9	19 49.93	− 0.20	+22.37	315 51 49.70	44.508	− 0.67	− 56.6	10 20 12.10	− 8.12	+83 0 50.7	+29.2
40	ρ Leonis	9	27 41.03	− 0.06	+22.45	29 3 48.52	47.355	− 0.59	+ 32.6	10 28 3.34	.....	+ 9 46 17.6	....
41	34 Sextantis	9	37 35.27	− 0.06	+22.39	34 47 48.58	44.268	− 0.51	+ 40.6	10 37 57.58	.....	+ 4 3 20.1	....
42	α Crateris	9	54 59.82	− 0.08	+22.36	56 37 47.92	48.082	− 0.36	+1 28.6	10 55 22.11	.....	−17 48 54.6	....
43	β Crateris	9	6 50.23	− 0.09	+22.37	61 9 47.62	44.369	− 0.26	+1 45.7	11 7 12.51	.....	−22 19 46.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
3 10 56	......	....	36.3
11 10	......	....	36.3
11 36	29.726	37.2	36.8
4 16 42	29.778	50.4	53.8
22 21	29.806	51.4	51.4
22 48	......	....	51.0
23 5	......	....	51.0
23 21	......	....	50.3
23 40	29.830	49.7	49.7
10 1	29.891	44.8	45.0
10 24	......	....	45.8
10 41	29.891	45.9	46.0
11 0	......	....	46.2
11 18	......	....	46.7
11 39	29.889	46.0	46.1
5 5 20	29.696	46.2	45.3
5 36	......	....	44.9
5 50	29.696	45.6	44.1
6 19	29.696	45.5	44.4
9 23	29.766	45.4	43.8
10 3	......	....	42.2
10 20	29.782	43.8	43.5
10 55	......	....	45.1
11 7	......	....	45.6

Micrometer bisections are made at II, VI, except as noted below.

1, 29. Bisections at II, III, IV, V, VI.
4, 11, 12, 14, 37, 38, 42, 43. Bisections at I, II, VI, VII.
5, 6, 9, 17, 18, 21, 28, 39. Bisections at b_4, b_5, b_6.
7. Bisections at I, II, III.
8. Bisections at V, VI, VII.
16, 19, 32. Bisections at II, VI, VII.
35, 36. Bisections at VI, VII.
41. Bisections at I, VI, VII.

Notes.

14. Faint.
37, 42, 43. Conditions very poor.
41. Very unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+24 22.4	+14 58.2	...	+39 20.6
7	+ 7.8	+16 14.8	...	+16 22.6
8	+ 7.8	−16 14.7	...	−16 6.9
29	+28 22.2	+14 51.3	...	+43 13.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Crateris	9	14 26.81	− 0.08	+**22.35**	53 7 47.00	44.216	− 0.20	+1 17.6	11 14 49.11	.....	−14 17 14.5	....
2	τ Leonis	9	22 54.94	− 0.06	+**22.34**	35 29 47.55	44.430	− 0.13	+ 41.4	11 23 17.26	.....	+ 3 21 16.1	....
3	ε Corvi	9	5 5.62	− 0.09	+22.38	60 55 48.95	47.291	− 0.02	+1 44.2	12 5 27.91	.....	−22 6 53.4	....
4	γ Corvi	9	10 46.51	− 0.08	[+**22.40**]	55 51 49.22	46.550	− 0.02	+1 25.5	12 11 8.81	.....	−17 2 18.1	....
5	η Virginis	9	14 54.04	− 0.06	[+**22.47**]	38 59 48.52	47.120	− 0.02	+ 47.1	12 15 16.36	.....	− 0 9 52.1	....
6	Moon II, S	9	22 44.96	− 0.06	+22.38	36 51 49.08	45.521	− 0.02	+ 43.6	12 23 7.28	−61.03	+ 1 58 47.4	....
	December 6, L.												
7	γ Orionis	9	19 55.86	+ 0.02	+**22.42**	32 33 53.08	47.095	− 0.06	+ 38.3	5 20 18.29	.....	+ 6 16 12.7	....
8	δ Orionis	9	27 2.27	+ 0.02	+**22.36**	39 11 55.30	46.665	− 0.06	+ 48.9	5 27 24.71	.....	− 0 21 50.2	....
9	ζ Orionis	9	35 50.78	+ 0.02	+**22.42**	40 49 53.75	45.165	− 0.06	+ 51.8	5 36 13.22	.....	− 1 59 17.3	....
10	κ Orionis	9	43 7.14	+ 0.01	+**22.39**	48 31 54.85	46.190	− 0.06	+1 7.8	5 43 29.57	.....	− 9 41 57.8	....
11	α Orionis	9	49 55.62	+ 0.02	+**22.41**	31 27 54.32	43.622	− 0.06	+ 36.7	5 50 18.06	.....	+ 7 23 32.5	....
12	8 Monocerotis	4	18 37.50	+ 0.02	+**22.50**	34 12	......	....	.....	6 18 59.94	.....	+ 4 38	....
	December 7, M.												
13	Moon II, S	9	50 38.61	+ 0.10	+22.72	47 29 52.25	45.848	+ 0.32	+1 4.8	13 51 1.43	−61.61	− 8 39 44.8	....
	December 8, M.												
14	Venus I, S	9	24 18.91	+ 0.08	+22.74	60 39 53.62	47.590	− 0.84	+1 44.4	20 24 41.73	+ 0.98	−21 51 4.3	....
15	30 H. Camelopardalis s. p.	9	19 49.24	+ 0.41	+22.75	301 53 52.85	45.175	− 0.74	−1 34.6	10 20 12.40	− 8.60	+83 0 49.5	+29.2
16	λ Aquarii	9	47 31.03	+ 0.10	+**22.78**	46 53 53.62	45.710	− 0.74	+1 3.4	22 47 53.89	.....	− 8 3 40.7	....
17	δ Aquarii	9	49 28.39	+ 0.09	+**22.75**	55 7 53.65	46.138	− 0.74	+1 25.1	22 49 51.24	.....	−16 18 12.0	....
18	c^2 Aquarii	9	4 14.98	+ 0.08	+22.76	60 29 53.12	44.535	− 0.74	+1 44.8	23 4 37.82	.....	−21 39 54.5	....
19	ψ^3 Aquarii	9	13 52.88	+ 0.10	+22.76	48 55 52.92	47.310	− 0.74	+1 8.2	23 14 15.74	− 1.97	−10 6 21.2	− 9.7
20	b^1 Aquarii	9	17 50.78	+ 0.08	+22.76	59 25 52.92	44.338	− 0.74	+1 40.4	23 18 13.62	− 2.06	−20 35 45.4	− 6.1
21	θ Piscium	9	23 0.17	+ 0.11	+**22.74**	32 57 52.18	45.075	− 0.74	+ 38.6	23 23 23.04	.....	+ 5 53 0.0	....
22	39 H. Cephei	9	27 23.61	− 0.33	+22.76	312 3 51.42	44.710	− 0.74	−1 5.6	23 27 46.04	.....	+86 48 53.4	....
23	γ Cephei	9	35 14.78	+ 0.05	+22.76	321 43 52.68	46.177	− 0.74	− 46.7	23 35 37.59	.....	+77 7 59.8	....
24	ι^1 Aquarii	9	39 8.30	+ 0.09	+**22.77**	57 35 53.68	47.392	− 0.74	+1 33.6	23 39 31.15	.....	−18 46 49.2	....
25	6 B. Ursæ Minoris s. p.	9	13 55.89	+ 1.07	+22.77	307 3 51.32	46.882	− 0.74	−1 18.4	12 14 19.73	.....	+88 11 43.1	....
	December 8, L.												
26	Moon II	9	36 22.61	+ 0.33	+22.79	52 16	......	....	.....	14 36 45.73	−62.94	.. ..	....
	December 9, L.												
27	Sun I, N	9	1 57.87	+ 0.39	+22.81	61 21 52.28	46.720	+ 0.52	+1 51.5	17 2 21.07	+70.95	−22 32 52.8	....
28	Sun II, S	9	4 19.77	+ 0.39	+22.81	61 53 53.90	48.035	+ 0.52	+1 54.0	17 4 42.97	−70.95	−23 5 25.5	....
29	30 H. Camelopardalis s. p.	4′	19 47.73	+ 2.14	+22.87	301 53 47.80	45.485	− 0.07	−1 36.9	10 20 12.74	− 8.78	+83 0 49.9	+29.2
30	δ Aquarii	9	49 28.09	+ 0.35	+**22.78**	55 7 55.02	45.939	− 0.07	+1 27.2	22 49 51.32	.....	−16 18 11.6	....
31	c^2 Aquarii	9	4 14.59	+ 0.36	+22.88	60 29 55.08	44.285	− 0.07	+1 47.3	23 4 37.83	.....	−21 39 53.9	....
32	39 H. Cephei	9	27 24.56	− 3.53	+22.88	312 3 50.10	44.825	− 0.07	−1 7.2	23 27 43.91	.....	+86 48 53.1	....
33	γ Cephei	7	35 15.07	− 0.59	+22.88	321 43 52.02	46.208	− 0.07	− 47.9	23 35 37.36	.....	+77 8 0.3	....
34	ι^1 Aquarii	9	39 7.90	+ 0.36	+**22.89**	57 35 53.92	47.232	− 0.07	+1 36.0	23 39 31.14	.....	−18 46 48.9	....
35	2 Ceti	9	58 43.81	+ 0.35	+**22.84**	56 39 53.22	46.370	− 0.07	+1 32.6	23 59 7.04	.....	−17 50 25.1	....
36	α Andromedæ	9	3 19.81	+ 0.21	+**23.01**	10 15 53.80	44.442	− 0.07	+ 11.1	0 3 42.90	.....	+28 35 39.9	....
37	6 B. Ursæ Minoris s. p.	9	13 52.33	+ 7.26	+22.89	307 3 52.32	46.937	− 0.07	−1 20.3	12 14 22.48	.....	+88 11 44.2	....
38	κ Draconis s. p.	9	29 13.33	+ 0.99	+22.89	289 11 52.35	43.468	− 0.07	−2 53.0	12 29 37.21	.....	+70 16 52.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 11 23	29.810	45.2	48.1
12 5	......	....	48.8
12 23	29.850	46.7	48.0
6 5 21	......	....	34.1
5 29	29.842	35.2	....
5 39	......	....	33.2
5 51	......	....	33.4
6 22	29.838	35.0	33.0
7 13 51	29.660	35.5	34.7
8 20 24	29.636	40.8	39.5
22 20	29.626	37.2	35.4
22 48	29.630	36.6	34.8
23 14	......	....	33.9
23 39	......	....	33.8
0 14	29.628	33.8	33.0
9 17 2	29.749	26.0	24.0
22 23	29.738	27.0	25.7
22 50	......	....	25.0
23 5	......	....	24.9
23 31	......	....	24.3
23 42	29.750	26.1	24.1
0 0	......	....	24.0
0 17	......	....	23.8
0 30	......	....	23.9

Micrometer bisections are made at II, VI, except as noted below.

1, 3–5, 30, 31, 35.	Bisections at I, II, VI, VII.
2.	Bisections at I, II, VI.
6, 13.	Bisections at II, III, IV, V, VI.
14.	Bisections at I, VI, VII.
15, 22, 23, 25, 32, 33, 37, 38.	Bisections at b_4, b_5, b_6.
16, 21.	Bisections at I, II.
27.	Bisections at I, II, III.
28.	Bisections at V, VI, VII.
29.	Bisections at b_2, b_3, b_4.
36.	Bisections at VI, VII.

Notes.

1–6.	Conditions very poor.
4.	Haze.
5, 6.	Clouds.
29.	Diffuse.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+32 22.6	+14 47.4	...	+47 10.0
13	+39 51.5	+14 48.1	...	+54 39.6
14	+ 12.2	+ 13.7	0.0	+ 25.9
27	+ 7.8	−16 16.3	...	−16 8.5
28	+ 7.9	+16 16.3	...	+16 24.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Ceti	9	38 40.60	+ 0.36	**+22.86**	57 19 54.85	42.492	− 0.07	+1 35.0	0 39 3.85	.....	−18 29 0.4	....
2	γ Orionis	9	19 55.07	+ 0.34	**+22.94**	32 33 53.72	47.015	+ 0.43	+ 39.4	5 20 18.33	.....	+ 6 16 12.3	....
3	δ Orionis	9	27 1.42	+ 0.36	**+22.92**	39 11 54.88	46.612	+ 0.43	+ 50.3	5 27 24.70	.....	− 0 21 50.5	....
4	ζ Orionis	9	35 49.96	+ 0.36	**+22.94**	40 49 54.05	45.095	+ 0.43	+ 53.3	5 36 13.24	.....	− 1 59 18.0	....
5	κ Orionis	9	43 6.33	+ 0.39	**+22.86**	48 31 54.92	46.130	+ 0.43	+1 9.7	5 43 29.64	.....	− 9 41 58.9	....
6	α Orionis	9	49 54.83	+ 0.34	**+22.93**	31 27 54.10	43.622	+ 0.43	+ 37.7	5 50 18.09	.....	+ 7 23 31.2	....
7	8 Monocerotis	9	18 36.76	+ 0.34	**+22.98**	34 11 53.95	46.300	+ 0.43	+ 41.9	6 19 0.03	.....	+ 4 38 26.0	....
	December 10, M.												
8	Sun I, N	9	6 21.18	+ 0.49	+23.15	61 27 54.65	45.947	+ 0.84	+1 52.1	17 6 44.82	+70.94	−22 38 37.4	....
9	Sun II, S	9	8 43.06	+ 0.49	+23.15	61 59 53.55	47.282	+ 0.84	+1 54.6	17 9 6.70	−70.94	−23 11 8.9	....
10	γ Orionis	9	19 54.71	+ 0.33	**+23.32**	32 33 52.52	47.142	+ 0.06	+ 39.5	5 20 18.31	.....	+ 6 16 10.9	....
11	δ Orionis	9	27 1.05	+ 0.36	**+23.30**	39 11 54.12	46.722	+ 0.06	+ 50.4	5 27 24.68	.....	− 0 21 51.9	....
12	ζ Orionis	9	35 49.56	+ 0.36	**+23.35**	40 49 51.82	45.235	+ 0.06	+ 53.4	5 36 13.19	.....	− 1 59 18.7	....
13	κ Orionis	9	43 5.97	+ 0.39	**+23.23**	48 31 52.98	46.215	+ 0.06	+1 9.9	5 43 29.63	.....	− 9 41 58.7	....
14	α Orionis	9	49 54.54	+ 0.33	**+23.24**	31 27 52.22	43.742	+ 0.06	+ 37.8	5 50 18.14	.....	+ 7 23 30.6	....
15	8 Monocerotis	9	18 36.44	+ 0.34	**+23.32**	34 11 52.45	46.432	+ 0.06	+ 42.0	6 19 0.05	.....	+ 4 38 24.7	....
16	30 H. Camelopardalis	9	19 51.36	− 1.66	+23.30	315 51 54.72	44.387	− 0.01	− 59.7	10 20 13.00	− 9.06	+83 0 50.9	+29.3
17	34 Sextantis	9	37 34.10	+ 0.35	**+23.32**	34 47 52.70	43.980	− 0.01	+ 43.0	10 37 57.76	.....	+ 4 3 19.6	....
18	α Crateris	9	54 58.57	+ 0.43	**+23.27**	56 37 52.80	47.645	− 0.01	+1 33.8	10 55 22.31	.....	−17 48 55.0	....
19	β Crateris	9	6 48.96	+ 0.45	+23.31	61 9 51.85	43.920	− 0.01	+1 52.0	11 7 12.72	.....	−22 19 47.1	....
20	δ Crateris	9	14 25.59	+ 0.42	**+23.24**	53 7 52.32	43.782	− 0.01	+1 22.4	11 14 49.32	.....	−14 17 14.9	....
21	39 H. Cephei s. p.	9	27 15.94	+ 4.96	+23.31	305 41 53.52	44.808	− 0.01	−1 25.6	23 27 44.21	.....	+86 48 51.5	....
22	γ Cephei s. p.	9	35 12.51	+ 1.52	+23.31	296 1 55.02	44.212	− 0.01	−2 5.6	23 35 37.34	.....	+77 7 59.4	....
23	ζ Crateris	9	39 46.92	+ 0.43	+23.31	56 39 52.15	47.300	− 0.01	+1 33.9	11 40 10.66	.....	−17 50 46.6	....
24	γ Corvi	9	10 45.30	+ 0.43	**+23.27**	55 51 52.62	46.172	− 0.01	+1 31.1	12 11 9.05	.....	−17 2 18.6	....
25	6 B. Ursæ Minoris	7	14 6.93	− 7.62	+23.32	310 39 53.10	47.918	− 0.01	−1 11.6	12 14 22.63	.....	+88 11 43.7	....
26	δ Corvi	9	24 46.97	+ 0.42	**[+23.35]**	54 49 52.35	47.222	− 0.01	+1 27.7	12 25 10.71	.....	−16 0 38.8	....
27	κ Draconis	9	29 14.21	− 0.30	+23.32	328 33 52.08	48.702	− 0.01	− 37.6	12 29 37.23	.....	+70 16 52.9	....
	December 11, L.												
28	Sun S	..	.. ..	....	.....	62 5 54.55	45.275	+ 0.14	+1 53.8	17 12	.....	−23 16 23.0	....
29	Sun N	..	.. ..	....	.....	61 33 55.75	43.887	+ 0.14	+1 51.3	.. ..	.....	−22 43 49.5	....
30	Mercury C	..	.. ..	....	.....	63 45 54.82	45.036	+ 0.14	+2 2.2	17 32	.....	−24 56 25.9	....
	December 14, M.												
31	Sun S	..	.. ..	....	.....	62 17 46.62	48.323	+ 2.19	+1 51.0	17 25	.....	−23 29 23.9	....
32	Sun N	..	.. ..	....	.....	61 47 49.02	41.640	+ 2.19	+1 48.5	.. ..	.....	−22 56 50.6	....
33	Venus S	..	.. ..	....	.....	58 51 48.35	46.634	+ 1.56	+1 35.8	20 47	.....	−20 2 31.0	....
34	39 H. Cephei	7	27 22.23	− 3.43	+24.12	312 3 48.52	44.648	+ 1.84	−1 4.4	23 27 42.92	.....	+86 48 54.0	....
35	ϑ^1 Aquarii	9	39 6.78	+ 0.13	**+24.18**	57 36	......	....	. ....	23 39 31.03	.....	−18 46	....
36	ε Leporis	9	1 15.27	+ 0.18	+24.16	61 17 49.00	48.620	+ 2.16	+1 47.6	5 1 39.61	.....	−22 29 29.5	....
37	γ Orionis	9	19 54.13	+ 0.11	**+24.17**	32 33 46.50	47.385	+ 2.16	+ 37.7	5 20 18.41	.....	+ 6 16 11.1	....
38	δ Orionis	9	27 0.43	+ 0.13	**+24.20**	39 11 48.50	46.980	+ 2.16	+ 48.1	5 27 24.73	.....	− 0 21 52.2	....
39	α Leporis	9	28 21.86	+ 0.17	**+24.11**	56 41 46.50	48.612	+ 2.16	+1 29.6	5 28 46.20	.....	−17 53 8.8	....
40	ζ Orionis	9	35 48.98	+ 0.13	**+24.22**	40 49 46.40	45.518	+ 2.16	+ 50.9	5 36 13.28	.....	− 1 59 19.3	....
41	κ Orionis	9	43 5.36	+ 0.15	**+24.13**	48 31 47.85	46.575	+ 2.16	+1 6.7	5 43 29.68	.....	− 9 42 0.7	....
42	α Orionis	9	49 53.89	+ 0.11	**+24.18**	31 27 47.40	43.933	+ 2.16	+ 36.1	5 50 18.17	.....	+ 7 23 30.6	....
43	η Leporis	5	51 54.35	+ 0.16	+24.17	53 1 47.38	43.310	+ 2.16	+1 18.2	5 52 18.68	− 3.14	−14 10 57.1	− 5.1

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 0 40	29.760	25.7	23.7
5 21	29.794	21.0	20.0
5 41	......	....	19.9
6 19	29.800	20.0	20.1
10 17 9	29.960	27.5	26.5
5 20	30.066	23.7	22.8
5 36	......	....	22.8
5 50	30.062	23.6	....
6 19	30.072	22.8	22.7
10 20	30.066	23.2	22.7
10 55	......	....	22.6
11 35	......	....	22.9
11 40	30.100	23.7	....
12 11	......	....	22.8
12 29	30.102	23.7	22.8
11 17 13	30.114	33.2	34.0
17 32	30.112	34.0	34.1
14 17 26	29.594	43.0	42.1
20 47	29.610	46.2	45.8
23 27	29.620	42.7	42.1
5 1	29.590	37.7	37.0
5 28	......	....	37.7
5 50	29.590	37.2	37.4

Micrometer bisections are made at II, VI, except as noted below.

1, 30, 33.	Bisections at I, II, VI, VII.
6, 11.	Bisections at II, VI, VII.
8, 28, 31.	Bisections at I, II, III.
9, 29.	Bisections at V, VI, VII.
16, 21, 22, 25, 27, 34.	Bisections at b_4, b_5, b_6.
24, 38.	Bisections at I, II.
32.	Bisections at VI, VII.
42.	Bisections at I, II, VI.

Note.

34, 43. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 7.8	−16 15.7	...	−16 7.9
9	+ 7.9	+16 15.7	...	+16 23.6
28	+ 7.9	+16 16.7	...	+16 24.6
29	+ 7.8	−16 16.7	...	−16 8.9
30	+ 5.5	.. ....	0.0	+ 5.5
31	+ 7.9	+16 16.6	...	+16 24.5
32	+ 7.9	−16 16.7	...	−16 8.8
33	+ 13.0	+ 14.7	0.0	+ 27.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Canis Majoris..........	7	18 20.34	+ 0.17	**+24.11**	56 43 47.08	47.022	+ 2.16	+1 30.0	6 18 44.68	.....	−17 54 33.6	....
	December 15, L.												
2	Sun I, N..............	9	28 24.86	+ 0.21	+24.17	61 49 54.25	44.970	+ 3.20	+1 48.6	17 28 49.24	+71.14	−23 0 13.5	....
3	Sun II, S.............	9	30 47.15	+ 0.21	+24.17	62 21 47.55	46.687	+ 3.20	+1 51.1	17 31 11.53	−71.15	−23 32 48.2	....
4	Mercury C, C..........	9	59 53.47	+ 0.21	+24.18	64 9 50.72	47.735	+ 3.20	+2 0.2	18 0 17.86	0.00	−25 21 24.6	....
5	ε Leporis..............	9	1 15.18	+ 0.28	+24.28	61 17 57.35	48.082	+ 4.00	+1 49.0	5 1 39.74	.....	−22 29 28.7	....
6	γ Orionis..............	9	19 53.99	+ 0.18	**+24.25**	32 33 56.05	46.848	+ 4.00	+ 38.2	5 20 18.45	.....	+ 6 16 11.4	....
7	β Leporis..............	9	23 59.40	+ 0.27	+24.28	59 39 55.20	44.075	+ 4.00	+1 41.9	5 24 23.95	− 3.10	−20 49 48.0	− 5.5
8	δ Orionis..............	6	27 0.31	+ 0.20	**+24.26**	39 11 59.12	46.425	+ 4.00	+ 48.8	5 27 24.79	.....	− 0 21 52.3	....
9	α Leporis..............	9	28 21.57	+ 0.26	**+24.32**	56 43 56.98	42.752	+ 4.00	+1 30.9	5 28 46.11	.....	−17 53 8.3	....
10	ζ Orionis..............	9	35 48.81	+ 0.21	**+24.32**	40 49 58.02	44.890	+ 4.00	+ 51.6	5 36 13.31	.....	− 1 59 19.1	....
11	κ Orionis..............	9	43 5.13	+ 0.23	**+24.29**	48 31 59.55	45.945	+ 4.00	+1 7.6	5 43 29.65	.....	− 9 42 0.8	....
12	α Orionis..............	9	49 53.74	+ 0.18	**+24.27**	31 27 58.00	43.360	+ 4.00	+ 36.5	5 50 18.21	.....	+ 7 23 30.8	....
13	η Leporis..............	9	51 54.30	+ 0.25	+24.29	53 1 56.62	42.755	+ 4.00	+1 19.2	5 52 18.84	− 3.15	−14 10 56.5	− 4.9
	December 16, M.												
14	Sun I, N..............	9	32 50.37	+ 0.26	+24.46	61 51 58.82	47.225	+ 3.52	+1 51.2	17 33 15.09	+71.09	−23 3 12.5	....
15	Sun II, S.............	9	35 12.54	+ 0.26	+24.46	62 23 55.68	48.657	+ 3.52	+1 53.8	17 35 37.26	−71.08	−23 35 44.4	....
16	Venus I, S............	5	54 37.73	+ 0.26	+24.49	58 11 57.25	49.285	+ 2.83	+1 36.0	20 55 2.48	+ 1.07	−19 23 42.1	....
17	Moon I................	9	5 26.39	+ 0.28	+24.49	61 14	......	....	. ....	21 5 51.16	+70.52	.. ..	....
18	39 H. Cephei...........	9	27 20.78	− 2.78	+24.49	312 3 58.15	44.270	+ 2.57	−1 6.4	23 27 42.49	.....	+86 48 54.3	....
19	γ Cephei...............	9	35 12.87	− 0.48	+24.49	321 44 1.18	45.618	+ 2.57	− 47.3	23 35 36.88	.....	+77 8 1.4	....
20	6 B. Ursæ Minoris s. P. ..	9	13 55.56	+ 5.62	+24.49	307 3 54.55	46.570	+ 2.57	−1 19.3	12 14 25.67	.....	+88 11 41.6	....
21	κ Draconis s. P.	9	29 12.50	+ 0.74	+24.50	289 11 55.50	43.020	+ 2.57	−2 50.9	12 29 37.74	.....	+70 16 50.0	....
22	43 H. Cephei...........	9	55 54.67	− 2.03	+24.50	313 5 56.22	44.730	+ 2.57	−1 4.2	0 56 17.14	.....	+85 46 43.5	....
23	γ Orionis..............	9	19 53.67	+ 0.24	**+24.52**	32 33 54.22	46.990	+ 3.77	+ 38.8	5 20 18.44	.....	+ 6 16 9.7	....
24	δ Orionis..............	9	27 0.03	+ 0.26	**+24.49**	39 11 55.80	46.558	+ 3.77	+ 49.5	5 27 24.82	.....	− 0 21 52.9	....
25	α Leporis..............	9	28 21.30	+ 0.30	**+24.56**	56 41 55.35	48.035	+ 3.77	+1 32.3	5 28 46.13	.....	−17 53 8.8	....
26	ζ Orionis..............	9	35 48.56	+ 0.26	**+24.53**	40 49 53.85	45.100	+ 3.77	+ 52.5	5 36 13.35	.....	− 1 59 20.4	....
27	κ Orionis..............	9	43 4.84	+ 0.28	**+24.54**	48 31 56.58	46.062	+ 3.77	+1 8.7	5 43 29.65	.....	− 9 42 1.3	....
28	α Orionis..............	9	49 53.48	+ 0.24	**+24.48**	31 27 54.52	43.528	+ 3.77	+ 37.2	5 50 18.25	.....	+ 7 23 29.9	....
29	η Leporis..............	9	51 54.00	+ 0.30	+24.53	53 1 54.58	42.862	+ 3.77	+1 20.6	5 52 18.83	− 3.16	−14 10 58.1	− 4.7
30	β Canis Majoris..........	9	18 19.84	+ 0.31	**+24.50**	56 43 54.82	46.552	+ 3.77	+1 32.5	6 18 44.69	.....	−17 54 34.6	....
31	ν Geminorum............	9	23 12.60	+ 0.20	**+24.54**	18 33 55.25	47.578	+ 3.77	+ 20.5	6 23 37.34	.....	+20 16 13.4	....
32	ε Geminorum............	9	37 59.24	+ 0.19	**+24.49**	13 37 54.35	45.095	+ 3.77	+ 14.8	6 38 23.97	.....	+25 13 16.6	....
33	α Canis Majoris..........	9	40 46.48	+ 0.31	+24.54	55 25 55.85	43.700	+ 3.77	+1 28.1	6 41 11.33	.....	−16 35 26.0	....
34	ζ Geminorum............	9	58 21.74	+ 0.21	**+24.52**	18 7 55.55	47.618	+ 3.77	+ 20.0	6 58 46.49	.....	+20 42 12.5	....
35	γ Canis Majoris..........	9	59 16.69	+ 0.31	**+24.58**	54 19 53.70	45.055	+ 3.77	+1 24.7	6 59 41.54	.....	−15 29 51.2	....
36	λ Geminorum............	9	12 30.65	+ 0.23	**+24.56**	22 7 54.70	47.358	+ 3.77	+ 24.9	7 12 55.42	.....	+16 42 14.5	....
37	δ Geminorum............	9	14 20.31	+ 0.21	**+24.58**	16 41 54.52	45.760	+ 3.77	+ 18.3	7 14 45.06	.....	+22 8 57.9	....
38	Neptune C, C..........	9	19 37.49	+ 0.21	+24.55	17 23 54.65	44.994	+ 3.77	+ 19.2	7 20 2.25	.....	+21 27 14.4	....
	December 16, L.												
39	δ Crateris..............	9	14 24.58	+ 0.34	**+24.53**	53 7 55.52	43.570	+ 3.77	+1 21.6	11 14 49.39	.....	−14 17 16.2	....
40	39 H. Cephei s. P.	6	27 13.17	+ 4.96	+24.47	305 41 55.72	44.553	+ 3.77	−1 24.7	23 27 42.60	.....	+86 48 52.6	....
41	γ Cephei s. P.	9	35 11.05	+ 1.47	+24.47	296 1 55.60	44.045	+ 3.77	−2 4.3	23 35 36.99	.....	+77 8 1.3	....
42	ζ Crateris..............	9	39 45.99	+ 0.35	+24.47	56 39 54.95	47.084	+ 3.77	+1 33.0	11 40 10.81	.....	−17 50 47.3	....
43	ε Corvi................	9	5 3.50	+ 0.37	+24.47	60 55 57.05	46.552	+ 3.77	+1 50.0	12 5 28.34	.....	−22 6 54.2	....
44	6 B. Ursæ Minoris.......	7	14 8.73	− 7.82	+24.48	310 39 55.15	47.702	+ 3.77	−1 10.9	12 14 25.39	.....	+88 11 42.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 6 18	29.580	37.0	35.9
15 17 31	29.580	43.2	42.3
18 0	29.584	42.9	42.2
5 2	29.516	31.0	29.9
5 21	......	....	29.7
5 37	......	....	30.0
5 53	......	....	30.2
6 18	29.500	31.1	....
16 17 35	29.586	33.8	32.0
20 55	29.620	34.8	33.0
23 27	29.666	30.3	28.8
0 14	29.670	29.8	28.3
0 29	......	....	28.0
0 56	29.678	28.8	27.8
5 20	29.722	26.0	25.8
5 36	......	....	25.7
5 52	......	....	25.6
6 23	29.730	25.7	25.7
6 59	......	....	24.9
7 20	29.740	24.8	23.6
11 15	29.732	21.8	21.8
11 41	......	....	21.8
12 6	......	....	22.0

Micrometer bisections are made at II, VI, except as noted below.

1, 24, 28, 32, 34, 36.	Bisections at I, II.
2, 14.	Bisections at I, II, III.
3, 15.	Bisections at V, VI, VII.
4, 5, 38, 42, 43.	Bisections at I, II, VI, VII.
7.	Bisections at I, II, VI.
8, 9, 16, 35.	Bisections at VI, VII.
12.	Bisection at II.
18, 19, 21, 22, 40, 41, 44.	Bisections at b_4, b_5, b_6.
20.	Bisections at b_5, b_6.

Notes.

1, 13.	Clouds.
22.	Poor seeing.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 7.9	−16 17.4	...	−16 9.5
3	+ 7.9	+16 17.3	...	+16 25.2
4	+ 5.6	.. ....	0.0	+ 5.6
14	+ 7.9	−16 16.0	...	−16 8.1
15	+ 7.9	+16 15.9	...	+16 23.8
16	+ 13.2	+ 15.1	0.0	+ 28.3
38	+ 0.1	.. ....	...	+ 0.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Corvi	9	24 46.09	+ 0.34	**+24.51**	54 49 57.22	46.889	+ 3.77	+1 26.8	12 25 10.91	.....	−16 0 38.9	....
2	β Corvi	9	29 13.12	+ 0.37	+24.48	61 43 57.15	43.238	+ 3.77	+1 53.6	12 29 37.97	.....	−22 53 42.2	....
3	43 H. Cephei s. P.	9	55 48.50	+ 3.82	+24.48	304 39 56.42	44.252	+ 3.77	−1 27.9	0 56 16.80	.....	+85 46 43.2	....
	December 17, L.												
4	Sun I, S.	9	37 16.13	+ 0.39	+24.52	62 27 58.58	44.547	+ 3.67	+1 53.0	17 37 41.04	+71.21	−23 38 13.0	....
5	Sun II, N.	9	39 38.55	+ 0.39	+24.52	61 55 59.32	43.178	+ 3.67	+1 50.5	17 40 3.46	−71.21	−23 5 39.7	....
6	Mercury C, C.	9	13 55.37	+ 0.40	+24.52	64 13 58.60	47.090	+ 3.67	+2 1.6	18 14 20.29	+ 0.01	−25 25 19.6	....
7	Venus I, S.	9	58 9.19	+ 0.36	+24.54	57 53 59.32	44.582	+ 2.81	+1 32.9	20 58 34.09	+ 1.08	−19 3 53.4	....
8	Moon I.	9	2 32.08	+ 0.36	+24.55	57 2	....	....	. ....	22 2 56.99	+69.15	.. ..	....
9	γ Orionis	9	19 53.61	+ 0.24	**+24.59**	32 33 57.30	46.870	+ 2.92	+ 37.8	5 20 18.45	.....	+ 6 16 11.2	....
10	δ Orionis	9	26 59.94	+ 0.26	**+24.59**	39 11 59.22	46.470	+ 2.92	+ 48.3	5 27 24.80	.....	− 0 21 52.1	....
11	ζ Orionis	9	35 48.44	+ 0.26	**+24.66**	40 49 57.68	44.952	+ 2.92	+ 51.1	5 36 13.30	.....	− 1 59 18.6	....
12	κ Orionis	9	43 4.79	+ 0.28	**+24.60**	48 31 59.48	46.008	+ 2.92	+1 7.0	5 43 29.67	.....	− 9 42 0.5	....
13	α Orionis	9	49 53.43	+ 0.24	**+24.55**	31 27 58.15	43.418	+ 2.92	+ 36.3	5 50 18.27	.....	+ 7 23 30.7	....
14	8 Monocerotis	9	18 35.32	+ 0.24	**+24.65**	34 11 58.65	46.085	+ 2.92	+ 40.4	6 19 0.17	.....	+ 4 38 25.2	....
15	ν Geminorum	9	23 12.61	+ 0.20	**+24.55**	18 33 57.68	47.462	+ 2.92	+ 20.0	6 23 37.42	.....	+20 16 15.0	....
16	ε Geminorum	9	37 59.08	+ 0.18	**+24.68**	13 37 57.58	44.928	+ 2.92	+ 14.5	6 38 23.87	.....	+25 13 18.5	....
17	ζ Geminorum	9	58 21.67	+ 0.20	**+24.62**	18 7 57.45	47.502	+ 2.92	+ 19.6	6 58 46.48	.....	+20 42 14.7	....
18	λ Geminorum	9	12 30.59	+ 0.21	**+24.67**	22 7 57.82	47.205	+ 2.92	+ 24.3	7 12 55.42	.....	+16 42 16.5	....
19	δ Geminorum	9	14 20.31	+ 0.19	**+24.63**	16 41 57.78	45.650	+ 2.92	+ 17.9	7 14 45.12	.....	+22 8 58.4	....
20	Neptune C, C.	9	19 30.90	+ 0.19	+24.62	17 23 57.30	44.318	+ 2.92	+ 18.7	7 19 55.71	.....	+21 27 28.5	....
21	κ Geminorum	9	38 36.25	+ 0.18	**+24.66**	14 13 57.50	45.915	+ 2.92	+ 15.2	7 39 1.05	.....	+24 36 55.3	....
	December 17, M.												
22	μ Hydræ	9	21 18.65	+ 0.26	**+24.75**	55 11 56.62	46.245	+ 2.99	+1 26.4	10 21 43.65	.....	−16 22 22.5	....
23	α Crateris	9	54 57.55	+ 0.27	**+24.69**	56 37 55.80	47.560	+ 2.99	+1 31.4	10 55 22.57	.....	−17 48 56.7	....
24	δ Crateris	9	14 24.59	+ 0.26	**+24.64**	53 7 56.12	43.638	+ 2.99	+1 20.4	11 14 49.60	.....	−14 17 16.4	....
25	39 H. Cephei s. P.	9	27 12.94	+ 3.51	+24.75	305 41 54.98	44.573	+ 2.99	−1 23.6	23 27 41.20	.....	+86 48 52.6	....
26	γ Cephei s. P.	9	35 10.90	+ 1.07	+24.75	296 1 55.42	43.992	+ 2.99	−2 2.7	23 35 36.72	.....	+77 8 0.7	....
27	ζ Crateris	9	39 45.82	+ 0.27	+24.75	56 39 55.35	47.172	+ 2.99	+1 31.8	11 40 10.84	.....	−17 50 47.8	....
28	γ Corvi	9	10 44.22	+ 0.27	**+24.75**	55 51 55.80	45.982	+ 2.99	+1 29.2	12 11 9.25	.....	−17 2 18.6	....
29	6 B. Ursæ Minoris	7	14 8.79	− 5.44	+24.76	310 39 55.55	47.657	+ 2.99	−1 10.1	12 14 28.11	.....	+88 11 42.7	....
30	δ Corvi	9	24 45.94	+ 0.26	**+24.78**	54 49 55.02	47.070	+ 2.99	+1 26.0	12 25 10.96	.....	−16 0 39.3	....
31	κ Draconis	9	29 13.37	− 0.24	+24.76	328 33 55.42	48.478	+ 2.99	− 36.9	12 29 37.89	.....	+70 16 51.0	....
32	43 H. Cephei s. P.	7	55 48.63	+ 2.72	+24.76	304 39 55.52	44.227	+ 2.99	−1 27.3	0 56 16.11	.....	+85 46 41.5	....
	December 18, M.												
33	Sun I, S.	8	41 42.02	+ 0.33	+24.77	62 29 57.20	44.490	+ 2.99	+1 55.4	17 42 7.12	+71.21	−23 40 12.1	....
34	Sun II, N.	9	44 4.44	+ 0.33	+24.77	61 57 58.68	43.225	+ 2.99	+1 52.8	17 44 29.54	−71.21	−23 7 41.7	....
35	Moon I, S.	9	57 27.53	+ 0.30	+24.78	52 3 55.02	44.427	+ 2.70	+1 17.5	22 57 52.61	+67.91	−13 13 30.1	....
36	39 H. Cephei	9	27 19.67	− 3.14	+24.78	312 3 54.95	44.432	+ 2.60	−1 6.7	23 27 41.31	.....	+86 48 54.0	....
37	γ Cephei	9	35 12.34	− 0.55	+24.78	321 43 52.32	46.058	+ 2.60	− 47.5	23 35 36.57	.....	+77 8 0.4	....
38	30 Piscium	9	56 54.61	+ 0.27	+24.78	45 21 56.52	43.780	+ 2.60	+1 1.4	23 57 19.66	.....	− 6 31 0.8	....
39	33 Piscium	9	0 17.72	+ 0.27	**+24.81**	45 3 56.20	43.318	+ 2.60	+1 0.7	0 0 42.77	.....	− 6 12 49.1	....
40	6 B. Ursæ Minoris s. P.	7	13 56.29	+ 6.35	+24.79	307 3 55.98	46.555	+ 2.60	−1 19.8	12 14 27.43	.....	+88 11 41.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 12 19	29.736	22.0	22.0
12 30	....	....	21.8
12 58	29.738	22.1	22.6
17 17 40	29.700	36.8	38.0
18 14	29.688	38.2	39.4
20 58	29.644	42.8	42.9
5 21	29.620	35.8	36.7
5 28	....	....	36.2
5 44	....	....	35.8
5 51	....	....	35.3
6 24	....	....	34.3
6 39	....	....	34.0
6 59	29.618	33.6	33.1
7 20	....	....	32.9
7 40	29.624	32.6	32.1
10 21	29.640	29.9	29.2
10 55	....	....	28.0
11 27	29.650	28.2	27.2
11 40	....	....	26.7
12 11	....	....	25.7
12 29	....	....	24.9
12 56	29.670	26.4	24.8
18 17 44	29.696	31.0	29.0
22 57	29.720	28.4	27.7
23 27	....	....	27.2
23 57	....	....	26.5

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 6, 7, 20.	Bisections at I, II, VI, VII.
3, 25, 26, 29, 31, 32, 36, 37.	Bisections at b_4, b_5, b_6.
4, 33.	Bisections at I, II, III.
5, 34.	Bisections at V, VI, VII.
28, 38.	Bisections at I, II.
35.	Bisections at II, III, IV, V, VI.
40.	Bisections at b_1, b_2.

Notes.

21.	Poor image; diffuse.
25.	Very unsteady.
26.	Very poor.
36–40.	Clouds.
40.	Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 7.9	+16 16.7	...	+16 24.6
5	+ 7.9	−16 16.6	...	−16 8.7
6	+ 5.7	.. ....	0.0	+ 5.7
7	+ 13.4	+ 15.3	0.0	+ 28.7
20	+ 0.1	.. ....	...	+ 0.1
33	+ 7.9	+16 15.2	...	+16 23.1
34	+ 7.9	−16 15.2	...	−16 7.3
35	+46 5.7	+15 59.7	...	+62 5.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Ceti	9	14 24.61	+ 0.28	**+24.83**	48 9 56.42	44.888	+ 2.60	+1 7.7	0 14 49.68	.....	− 9 19 32.4	....
2	13 Ceti	9	30 11.03	+ 0.27	+24.79	42 55 55.72	45.102	+ 2.60	+ 56.4	0 30 36.09	.....	− 4 5 25.1	....
3	β Ceti	9	38 38.67	+ 0.30	**+24.76**	57 19 56.50	42.425	+ 2.60	+1 34.4	0 39 3.76	.....	−18 29 2.7	....
4	20 Ceti	9	47 58.74	+ 0.26	**+24.73**	40 27 56.95	47.035	+ 2.60	+ 51.8	0 48 23.79	.....	− 1 38 5.9	....
5	43 H. Cephei	7	55 53.96	− 2.30	+24.79	313 5 56.18	44.747	+ 2.60	−1 4.5	0 56 16.45	.....	+85 46 43.4	....
6	θ Ceti	9	19 5.93	+ 0.28	**+24.79**	47 29 55.88	43.538	+ 2.60	+1 6.2	1 19 31.00	.....	− 8 38 59.3	....
7	α Trianguli	9	47 31.38	+ 0.16	**+24.83**	9 43 56.10	42.080	+ 2.60	+ 10.5	1 47 56.34	.....	+29 8 29.2	....
8	β Arietis	9	49 14.45	+ 0.20	**+24.79**	18 29 55.65	42.648	+ 2.60	+ 20.4	1 49 39.45	.....	+20 22 7.0	....
	December 20, M.												
9	6 B. Ursæ Minoris s. p.	9	13 52.72	+10.86	+25.22	307 3 55.18	46.593	+ 2.95	−1 20.2	12 14 28.80	.....	+88 11 42.3	....
10	κ Draconis s. p.	9	29 11.44	+ 1.32	+25.22	289 11 55.08	43.125	+ 2.95	−2 52.8	12 29 37.98	.....	+70 16 50.4	....
11	Moon S	.	.. ..	.....	.....	39 41 57.78	44.462	+ 2.95	+ 50.6	0 44	.....	− 0 51 7.0	....
12	43 H. Cephei	9	55 54.44	− 4.08	+25.22	313 5 57.70	44.697	+ 2.95	−1 4.9	0 56 15.58	.....	+85 46 43.1	....
13	θ Ceti	9	19 5.39	+ 0.40	**+25.20**	47 29 57.15	43.478	+ 2.95	+1 6.6	1 19 31.01	.....	− 8 38 59.9	....
14	π Piscium	9	31 53.47	+ 0.29	**+25.22**	27 9 55.40	45.460	+ 2.95	+ 31.4	1 32 18.99	.....	+11 40 51.7	....
15	ν Piscium	9	36 18.77	+ 0.33	**+25.20**	33 47 55.72	47.590	+ 2.95	+ 40.9	1 36 44.33	.....	+ 5 1 53.2	....
16	ο Piscium	9	40 12.37	+ 0.31	**+25.20**	30 7 56.00	46.820	+ 2.95	+ 35.5	1 40 37.91	.....	+ 8 42 15.9	....
17	α Trianguli	9	47 30.89	+ 0.18	**+25.28**	9 43 55.70	42.035	+ 2.95	+ 10.5	1 47 56.30	.....	+29 8 30.2	....
18	ξ Piscium	9	48 27.72	+ 0.34	**+25.23**	36 5 57.00	45.685	+ 2.95	+ 44.6	1 48 53.29	.....	+ 2 44 31.9	....
	December 20, P.												
19	39 H. Cephei s. p.	9	27 8.17	+ 7.25	+25.25	305 41 52.88	44.783	+ 3.50	−1 26.0	23 27 40.67	.....	+86 48 53.4	....
20	γ Cephei s. p.	8	35 9.36	+ 2.12	+25.25	296 1 53.12	44.253	+ 3.50	−2 6.1	23 35 36.73	.....	+77 8 1.5	....
21	β Leonis	9	44 1.75	+ 0.32	**+25.24**	23 46	......	....	.....	11 44 27.32	.....	+15 4	....
22	6 B. Ursæ Minoris	9	14 15.22	−11.54	+25.26	310 39 54.00	47.820	+ 3.50	−1 11.9	12 14 28.94	.....	+88 11 41.8	....
23	κ Draconis	9	29 13.43	− 0.60	+25.26	328 33 54.82	48.548	+ 3.50	− 37.7	12 29 38.09	.....	+70 16 49.6	....
24	ρ Virginis	9	36 52.92	+ 0.35	**+25.30**	28 6	......	....	.....	12 37 18.53	.....	+10 43	....
25	43 H. Cephei s. p.	9	55 44.94	+ 5.58	+25.26	304 39 53.05	44.450	+ 3.50	−1 29.2	0 56 15.78	.....	+85 46 42.8	....
	December 21, P.												
26	Sun I, S	9	55 0.57	+ 0.56	+25.31	62 31 58.72	47.540	+ 3.39	+1 55.7	17 55 26.44	+71.32	−23 43 24.0	....
27	Sun II, N	9	57 23.22	+ 0.56	+25.31	61 59 58.55	46.202	+ 3.39	+1 53.1	17 57 49.09	−71.33	−23 10 50.3	....
28	Mercury C, C	9	42 1.99	+ 0.57	+25.31	64 3 58.65	47.095	+ 2.98	+2 3.3	18 42 27.87	+ 0.01	−25 15 20.7	....
29	39 H. Cephei	9	27 20.17	− 5.63	+25.35	312 3 52.45	44.575	+ 2.10	−1 6.5	23 27 39.89	.....	+86 48 53.6	....
30	γ Cephei	9	35 12.10	− 1.07	+25.35	321 43 54.98	45.916	+ 2.10	− 47.4	23 35 36.38	.....	+77 8 0.3	....
31	2 Ceti	9	58 41.16	+ 0.47	**+25.23**	56 39 55.60	46.270	+ 2.10	+1 31.7	23 59 6.99	.....	−17 50 26.4	....
32	6 B. Ursæ Minoris s. p.	9	13 53.89	+11.07	+25.36	307 3 53.10	46.662	+ 2.10	−1 19.5	12 14 30.32	.....	+88 11 41.6	....
33	44 Piscium	9	20 20.71	+ 0.36	**+25.35**	37 23 56.52	46.080	+ 2.10	+ 46.2	0 20 46.43	.....	+ 1 26 22.5	....
34	κ Draconis s. p.	9	29 11.56	+ 1.35	+25.36	289 11 52.35	43.177	+ 2.10	−2 51.4	12 29 38.27	.....	+70 16 49.4	....
35	β Ceti	9	38 37.95	+ 0.47	**+25.28**	57 19 57.38	42.415	+ 2.10	+1 34.1	0 39 3.78	.....	−18 29 2.5	....
36	20 Ceti	9	47 57.97	+ 0.38	**+25.35**	40 27 57.90	47.018	+ 2.10	+ 51.6	0 48 23.71	.....	− 1 38 5.8	....
37	43 H. Cephei	9	55 54.17	− 4.15	+25.36	313 5 53.10	44.898	+ 2.10	−1 4.3	0 56 15.38	.....	+85 46 43.3	....
38	η Ceti	9	3 37.38	+ 0.43	+25.37	49 29 58.90	45.160	+ 2.10	+1 10.8	1 4 3.18	.....	−10 39 43.4	....
39	ζ^1 Piscium	9	8 35.33	+ 0.33	**+25.37**	31 43 54.90	47.692	+ 2.10	+ 37.4	1 9 1.03	.....	+ 7 5 56.0	....
40	f Piscium	9	12 43.08	+ 0.36	+25.37	35 41 57.28	46.185	+ 2.10	+ 43.5	1 13 8.81	.....	+ 3 8 22.0	....
41	θ Ceti	9	19 5.23	+ 0.42	**+25.33**	47 29 56.60	43.560	+ 2.10	+1 6.0	1 19 31.02	.....	− 8 38 59.8	....
42	Moon I, S	9	36 44.09	+ 0.35	+25.37	33 13 55.72	44.187	+ 2.10	+ 39.6	1 37 9.81	+67.90	+ 5 37 13.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 0 14	29.726	27.8	....
0 48	....	....	25.9
1 19	29.728	26.8	25.8
1 49	29.728	26.4	24.8
20 0 14	29.770	24.6	24.8
0 45	29.780	24.3	24.4
1 19	......	....	23.9
1 36	....	....	23.9
1 48	29.782	23.7	23.8
11 23	29.812	15.8	16.2
11 46	....	....	16.8
12 9	....	....	17.0
12 23	29.822	16.0	17.2
12 53	....	....	17.2
12 58	29.842	17.1	17.4
21 17 57	29.844	30.2	30.9
18 43	29.826	32.0	32.0
23 23	29.775	30.2	30.0
23 42	......	....	29.2
0 2	....	....	28.8
0 26	29.770	29.3	28.2
0 43	....	....	28.0
1 10	....	....	28.0
1 22	29.752	28.6	27.9

Micrometer bisections are made at II, VI, except as noted below.

1, 7, 17.	Bisections at I, II.
5, 9, 10, 12, 19, 20, 22, 25, 29, 32, 34, 37.	Bisections at b_4, b_5, b_6.
11, 42.	Bisections at II, III, IV, V, VI.
18.	Bisections at VI, VII.
23, 28, 30.	Bisections at I, II, VI, VII.
26.	Bisections at I, II, III.
27.	Bisections at V, VI, VII.
38.	Bisections at II, VI, VII.

Notes.

1-8. Clouds.

5, 34. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+37 45.1	+16 11.5	...	+53 56.6
26	+ 7.9	+16 16.9	...	+16 24.8
27	+ 7.9	−16 16.8	...	−16 8.9
28	+ 5.7	.. ....	0.0	+ 5.7
42	+32 29.9	+16 15.5	...	+48 45.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Trianguli	9	47 30.72	+ 0.20	**+25.42**	9 41 54.52	47.345	+ 2.10	+ 10.4	1 47 56.29	.....	+29 8 31.0	....
2	β Arietis	9	49 13.78	+ 0.26	**+25.37**	18 29 55.45	42.650	+ 2.10	+ 20.3	1 49 39.41	.....	+20 22 7.7	....
3	υ Ceti	9	55 19.91	+ 0.49	+25.37	60 19 57.30	47.022	+ 2.10	+1 46.1	1 55 45.77	.....	−21 30 59.7	....
4	γ Orionis	9	19 52.77	+ 0.32	**+25.39**	32 33 52.72	47.082	+ 2.64	+ 38.8	5 20 18.49	.....	+ 6 16 10.2	....
5	δ Orionis	9	26 59.03	+ 0.36	**+25.44**	39 11 54.58	46.665	+ 2.64	+ 49.5	5 27 24.79	.....	− 0 21 52.8	....
6	ζ Orionis	9	35 47.57	+ 0.37	**+25.47**	40 49 52.78	45.165	+ 2.64	+ 52.5	5 36 13.34	.....	− 1 59 19.7	....
7	κ Orionis	9	43 3.93	+ 0.41	**+25.37**	48 31 55.65	46.170	+ 2.64	+1 8.7	5 43 29.74	.....	− 9 42 1.8	....
8	α Orionis	9	49 52.50	+ 0.32	**+25.45**	31 27 53.12	43.618	+ 2.64	+ 37.1	5 50 18.22	.....	+ 7 23 30.6	....
9	δ Ursæ Minoris s. P.	9	0 30.17	+ 6.14	+25.40	305 29 50.35	44.635	+ 2.64	−1 24.5	18 1 1.71	.....	+86 36 48.2	....
10	8 Monocerotis	9	18 34.44	+ 0.33	**+25.50**	34 11 54.80	46.245	+ 2.64	+ 41.2	6 19 0.18	.....	+ 4 38 24.9	....
	December 22, L.												
11	Sun N	.	.. ..	.....	.....	61 59 54.45	46.712	+ 3.01	+1 53.6	18 1	.....	−23 10 58.3	....
12	Sun S	.	.. ..	.....	.....	62 31 54.75	48.088	+ 3.01	+1 56.3	.. ..	.....	−23 43 32.5	....
13	Mercury C, C	9	49 2.83	+ 0.54	+25.42	63 57 54.92	46.369	+ 2.84	+2 3.4	18 49 28.79	+ 0.01	−25 9 0.4	....
14	Venus I, S	9	14 46.38	+ 0.46	+25.42	56 9 54.32	49.030	+ 2.55	+1 29.9	21 15 12.26	+ 1.15	−17 21 26.8	....
15	39 H. Cephei	7	27 19.35	− 5.31	+25.42	312 3 52.90	44.588	+ 2.18	−1 7.0	23 27 39.46	.....	+86 48 53.2	....
16	γ Cephei	9	35 11.84	− 1.01	+25.42	321 43 53.65	46.047	+ 2.18	− 47.7	23 35 36.25	.....	+77 7 59.9	....
17	2 Ceti	9	58 40.99	+ 0.45	**+25.41**	56 39 54.72	46.248	+ 2.18	+1 32.4	23 59 6.87	.....	−17 50 25.8	....
18	6 B. Ursæ Minoris s. P.	6	13 54.65	+10.44	+25.43	307 3 55.00	46.623	+ 2.18	−1 20.1	12 14 30.52	.....	+88 11 42.1	....
19	κ Draconis s. P.	9	29 11.46	+ 1.27	+25.43	289 11 52.70	43.339	+ 2.18	−2 52.7	12 29 38.16	.....	+70 16 52.2	....
20	β Ceti	9	38 37.85	+ 0.45	**+25.38**	57 17 55.22	47.752	+ 2.18	+1 34.8	0 39 3.73	.....	−18 29 3.1	....
21	43 H. Cephei	9	55 54.11	− 3.91	+25.43	313 5 53.55	44.895	+ 2.18	−1 4.7	0 56 15.63	.....	+85 46 43.3	....
22	η Ceti	9	3 37.41	+ 0.41	+25.44	49 29 55.35	45.255	+ 2.18	+1 11.2	1 4 3.26	.....	−10 39 42.6	....
23	θ Ceti	9	19 5.18	+ 0.40	**+25.39**	47 29 55.38	43.542	+ 2.18	+1 6.4	1 19 31.02	.....	− 8 38 58.7	....
24	η Piscium	9	26 13.59	+ 0.28	**+25.44**	23 57 55.35	45.530	+ 2.18	+ 27.1	1 26 39.31	.....	+14 52 55.2	....
25	τ Ceti	9	39 27.06	+ 0.44	**+25.39**	55 13 55.08	47.468	+ 2.18	+1 27.6	1 39 52.94	.....	−16 24 49.2	....
26	ζ Ceti	9	46 34.88	+ 0.41	**+25.46**	49 37 56.48	43.042	+ 2.18	+1 11.5	1 47 0.73	.....	−10 46 53.4	....
27	ξ¹ Ceti	9	7 47.56	+ 0.31	**+25.44**	30 25 55.35	43.702	+ 2.18	+ 35.8	2 8 13.31	.....	+ 8 25 28.3	....
28	ξ² Ceti	9	22 56.25	+ 0.31	**+25.47**	30 47 55.18	43.855	+ 2.18	+ 36.3	2 23 22.01	.....	+ 8 3 24.4	....
29	Moon I, S	9	31 48.70	+ 0.30	+25.45	27 1 54.78	48.549	+ 2.18	+ 31.1	2 32 14.45	+69.37	+11 47 42.8	....
30	γ Ceti	9	38 12.17	+ 0.34	**+25.46**	35 59 54.80	43.592	+ 2.18	+ 44.2	2 38 37.96	.....	+ 2 51 22.9	....
31	σ Arietis	9	46 5.34	+ 0.28	**+25.45**	24 7 55.20	46.032	+ 2.18	+ 27.3	2 46 31.07	.....	+14 42 43.6	....
32	ε Arietis (*mean*)	8	53 37.90	+ 0.24	**+25.43**	17 51 54.85	45.965	+ 2.18	+ 19.7	2 54 3.59	.....	+20 58 53.1	....
33	γ Orionis	9	19 52.65	+ 0.33	**+25.51**	32 33 53.80	47.042	+ 2.58	+ 38.8	5 20 18.45	.....	+ 6 16 10.1	....
34	δ Orionis	9	26 58.98	+ 0.36	**+25.50**	39 11 55.30	46.635	+ 2.58	+ 49.5	5 27 24.81	.....	− 0 21 52.8	....
35	ζ Orionis	9	35 47.52	+ 0.37	**+25.53**	40 49 54.18	45.105	+ 2.58	+ 52.4	5 36 13.36	.....	− 1 59 19.6	....
36	κ Orionis	9	43 3.82	+ 0.41	**+25.49**	48 31 55.42	46.182	+ 2.58	+1 8.6	5 43 29.70	.....	− 9 42 1.6	....
37	α Orionis	9	49 52.51	+ 0.32	**+25.45**	31 27 54.20	43.600	+ 2.58	+ 37.1	5 50 18.30	.....	+ 7 23 30.0	....
	December 22, M.												
38	39 H. Cephei s. P.	8	27 7.58	+ 6.31	+25.62	305 41 52.32	44.667	+ 2.99	−1 23.2	23 27 39.51	.....	+86 48 52.5	....
39	γ Cephei s. P.	9	35 8.67	+ 1.84	+25.62	296 1 54.52	43.973	+ 2.99	−2 2.1	23 35 36.13	.....	+77 8 0.0	....
40	6 B. Ursæ Minoris	9	14 15.61	−10.04	+25.63	310 39 52.52	47.810	+ 2.99	−1 9.7	12 14 31.20	.....	+88 11 41.8	....
41	κ Draconis	9	29 13.09	− 0.52	+25.63	328 33 52.58	48.617	+ 2.99	− 36.6	12 29 38.20	.....	+70 16 50.3	....
42	43 H. Cephei s. P.	9	55 44.78	+ 4.86	+25.63	304 39 52.12	44.377	+ 2.99	−1 26.6	0 56 15.27	.....	+85 46 42.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 1 52	......	....	27.5
1 57	29.750	28.2	27.3
5 18	29.710	26.3	25.9
5 40	......	....	25.2
5 56	......	....	26.0
6 20	29.686	25.0	25.8
22 18 2	29.696	28.2	26.4
18 49	29.690	28.4	27.2
21 15	29.678	29.0	28.0
23 27	29.688	26.0	24.9
0 0	......	....	24.0
0 14	......	....	23.9
0 30	29.702	24.9	23.8
0 52	......	....	24.0
1 9	......	....	24.1
1 31	29.684	24.9	24.0
2 9	......	....	23.9
2 24	......	....	23.8
2 48	29.692	24.1	23.8
2 55	......	....	24.0
5 21	29.682	25.1	25.1
5 40	......	....	25.8
5 51	......	....	26.0
6 15	29.682	26.9	....
11 27	29.750	29.2	30.6
12 14	29.780	29.6	30.4
12 56	29.790	29.8	30.6

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at I, II.
9, 15, 16, 18, 21, 38–42.	Bisections at b_4, b_5, b_6.
11.	Bisections at I, II, III.
12.	Bisections at V, VI, VII.
13, 14, 17, 20, 25.	Bisections at I, II, VI, VII.
19.	Bisections at b_3, b_4, b_5, b_6, b_7.
29.	Bisections at II, III, IV, V, VI.

Note.
37. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 7.9	−16 17.1	...	−16 9.2
12	+ 7.9	+16 17.1	...	+16 25.0
13	+ 5.8	.. ....	0.0	+ 5.8
14	+ 13.8	+ 16.3	...	+ 30.1
29	+27 0.2	+16 17.5	...	+43 17.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 23, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I	9	3 53.33	+ 0.50	+25.67	62 16	......	....	. ...	18 4 19.50	+71.22	.. ..	....
2	Sun II	9	6 15.77	+ 0.50	+25.67	... .	......	....	. ...	18 6 41.94	−71.22	.. ..	....
3	Mercury C, C	6	56 2.33	+ 0.51	+25.68	63 49 52.60	47.046	+ 3.47	+2 0.7	18 56 28.52	+ 0.01	−25 1 11.5	....
	December 23, P.												
4	39 H. Cephei s. p.	9	27 7.72	+ 5.81	+25.80	305 41 49.55	44.848	+ 3.20	−1 24.7	23 27 39.33	.....	+86 48 52.6	....
5	γ Cephei s. p.	9	35 9.02	+ 1.70	.....	296 1 49.45	44.320	+ 3.20	−2 4.3	23 35	.....	+77 8 0.8	....
6	β Leonis	9	44 1.38	+ 0.25	**+25.79**	23 46	......	....	. ....	11 44	.....	+15 4	....
7	6 B. Ursæ Minoris	9	14 14.17	− 9.25	+25.81	310 39 49.62	47.988	+ 3.20	−1 10.9	12 14 30.73	.....	+88 11 41.6	....
8	κ Draconis	9	29 12.94	− 0.49	.....	328 33 51.18	48.695	+ 3.20	− 37.3	12 29	.....	+70 16 49.8	....
9	ρ Virginis	9	36 52.58	+ 0.28	**+25.82**	28 6	......	....	. ....	12 37	.....	+10 43	....
10	43 H. Cephei s. p.	9	55 44.94	+ 4.47	+25.81	304 39 49.08	44.623	+ 3.20	−1 28.1	0 56 15.22	.....	+85 46 43.6	....
11	α Ursæ Minoris s. p.	9	26 19.78	+15.20	+25.82	307 41 50.02	46.993	+ 3.20	−1 19.0	1 27 0.80	.....	+88 49 47.7	....
	December 24, P.												
12	Sun I, N	9	8 19.64	+ 0.46	+25.81	61 59 53.95	43.640	+ 4.09	+1 52.5	18 8 45.91	+71.35	−23 9 47.6	....
13	Sun II, S	9	10 42.33	+ 0.46	+25.81	62 31 54.15	45.158	+ 4.09	+1 55.1	18 11 8.60	−71.34	−23 42 24.8	....
14	Mercury C, C	9	3 0.54	+ 0.47	+25.82	63 41 55.12	43.062	+ 4.05	+2 0.6	19 3 26.83	+ 0.01	−24 51 43.4	....
15	39 H. Cephei	9	27 18.72	− 5.12	+25.85	312 3 48.05	44.715	+ 3.22	−1 6.2	23 27 39.45	.....	+86 48 53.3	....
16	γ Cephei	9	35 11.20	− 0.96	+25.85	321 43 50.28	46.084	+ 3.22	− 47.2	23 35 36.09	.....	+77 8 0.4	....
17	2 Ceti	9	58 40.62	+ 0.44	**+25.76**	56 39 51.10	46.458	+ 3.22	+1 31.4	23 59 6.91	.....	−17 50 27.0	....
18	6 B. Ursæ Minoris s. p.	9	13 57.22	+10.09	+25.86	307 3 48.92	46.803	+ 3.22	−1 19.2	12 14 33.17	.....	+88 11 42.1	....
19	κ Draconis s. p.	9	29 11.29	+ 1.24	+25.86	289 11 47.75	43.360	+ 3.22	−2 51.0	12 29 38.39	.....	+70 16 50.5	....
20	β Ceti	9	38 37.46	+ 0.45	**+25.75**	57 17 52.95	47.855	+ 3.22	+1 34.0	0 39 3.77	.....	−18 29 3.4	....
21	43 H. Cephei	9	55 52.33	− 3.76	+25.86	313 5 49.35	45.007	+ 3.22	−1 4.3	0 56 14.43	.....	+85 46 43.5	....
22	η Ceti	9	3 36.99	+ 0.41	+25.86	49 29 52.72	45.398	+ 3.22	+1 10.7	1 4 3.26	.....	−10 39 43.8	....
23	α Ursæ Minoris	9	26 48.39	−14.60	+25.87	310 1 50.38	47.747	+ 3.22	−1 11.6	1 26 59.66	.....	+88 49 47.0	....
24	τ Ceti	9	39 26.68	+ 0.44	**+25.75**	55 13 52.55	47.642	+ 3.22	+1 27.0	1 39 52.99	.....	−16 24 51.1	....
25	α Trianguli	9	47 30.28	+ 0.20	**+25.83**	9 41 51.78	47.425	+ 3.22	+ 10.4	1 47 56.35	.....	+29 8 30.8	....
26	β Arietis	9	49 13.32	+ 0.25	**+25.82**	18 27 50.90	48.065	+ 3.22	+ 20.3	1 49 39.44	.....	+20 22 7.6	....
27	υ Ceti	9	55 19.43	+ 0.46	+25.87	60 19 52.55	47.230	+ 3.22	+1 46.0	1 55 45.76	.....	−21 31 0.7	....
28	δ Ceti	9	34 25.69	+ 0.32	**+25.92**	38 53 51.88	46.125	+ 3.47	+ 48.8	2 34 51.88	.....	− 0 3 37.9	....
29	γ Ceti	9	38 11.76	+ 0.31	**+25.89**	35 59 53.70	43.675	+ 3.47	+ 43.9	2 38 37.94	.....	+ 2 51 21.3	....
30	41 Arietis	9	44 14.60	+ 0.18	**+25.93**	11 57 51.82	44.805	+ 3.47	+ 12.9	2 44 40.66	.....	+26 53 27.9	....
31	α Ceti	9	57 8.13	+ 0.31	**+25.85**	35 5 52.55	46.827	+ 3.47	+ 42.5	2 57 34.32	.....	+ 3 44 11.7	....
32	δ Arietis	9	6 2.54	+ 0.22	**+25.90**	19 27 51.98	44.990	+ 3.47	+ 21.4	3 6 28.64	.....	+19 23 15.3	....
33	ζ Arietis	9	9 17.26	+ 0.22	**+25.91**	18 7 50.02	46.518	+ 3.47	+ 19.9	3 9 43.36	.....	+20 42 43.8	....
34	ο Tauri	9	19 31.87	+ 0.28	**+25.90**	30 7 51.72	45.695	+ 3.47	+ 35.2	3 19 58.03	.....	+ 8 42 45.5	....
35	f Tauri	9	25 27.87	+ 0.26	**+25.97**	26 13 52.35	43.338	+ 3.47	+ 29.8	3 25 54.01	.....	+12 37 44.3	....
36	η Tauri	9	41 41.77	+ 0.20	**+25.94**	15 1 51.95	44.028	+ 3.47	+ 16.3	3 42 7.85	.....	+23 49 42.4	....
37	λ Tauri	9	55 15.43	+ 0.26	**+25.94**	26 35 51.92	47.335	+ 3.47	+ 30.4	3 55 41.57	.....	+12 14 12.8	....
38	A Tauri	9	58 56.27	+ 0.21	**+25.91**	17 1 51.10	42.522	+ 3.47	+ 18.6	3 59 22.37	.....	+21 50 15.3	....
39	ο¹ Eridani	9	7 2.28	+ 0.36	**+25.91**	45 53 52.82	47.352	+ 3.47	+1 2.5	4 7 28.53	.....	− 7 4 20.6	....
40	Moon I, S	9	30 42.79	+ 0.22	+25.89	17 15 49.32	45.725	+ 3.47	+ 18.9	4 31 8.90	+73.09	+21 35 3.7	....
	December 26, M.												
41	Moon N	.	.. ..	.....	.....	12 53 50.52	47.843	+ 4.02	+ 13.8	.. ..	.....	+25 56 18.5	....
42	Moon II, S	9	41 21.27	+ 0.24	+26.34	13 25 50.48	48.908	+ 4.02	+ 14.4	6 41 47.85	−74.07	+25 23 53.7	....
43	ζ Geminorum	9	58 20.12	+ 0.26	**+26.29**	18 7 51.20	47.825	+ 4.45	+ 19.7	6 58 46.72	.....	+20 42 12.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 18 56	29.900	38.5	38.2
11 23	29.946	26.0	25.5
12 3	......	....	25.0
12 20	29.946	25.2	24.8
12 53	......	....	25.3
13 30	29.962	25.0	24.2
24 18 11	29.936	33.8	34.4
19 4	29.905	35.1	35.6
23 23	29.881	33.6	33.5
23 56	......	....	32.2
0 20	29.888	32.3	32.2
0 41	......	....	30.4
1 0	......	....	30.4
1 17	29.878	30.6	30.2
1 44	......	....	30.2
1 57	29.872	30.0	30.0
2 32	29.854	30.0	30.0
2 52	......	....	30.0
3 12	......	....	29.3
3 28	29.840	29.7	29.0
3 48	......	....	28.9
4 5	......	....	28.9
4 34	29.878	29.0	28.9
26 6 41	29.416	28.0	27.8
6 58	......	....	27.8

Micrometer bisections are made at II, VI, except as noted below.

3, 8, 14.	Bisections at I, II, VI, VII.
4, 5, 7, 10, 11, 15, 18, 19, 21, 23.	Bisections at b_4, b_5, b_6.
12, 41.	Bisections at I, II, III.
13, 42.	Bisections at V, VI, VII.
16.	Bisections at II, III, V, VI.
25, 30, 34.	Bisections at I, II.
26, 29.	Bisections at VI, VII.
40.	Bisections at II, III, IV, V, VI.

Note.

24–29. Clouds and haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 5.8	.. ....	0.0	+ 5.8
12	+ 7.9	−16 18.6	...	−16 10.7
13	+ 7.9	+16 18.6	...	+16 26.5
14	+ 5.9	.. ....	0.0	+ 5.9
40	+17 29.9	+16 13.2	...	+33 43.1
41	+12 55.2	−15 56.8	...	− 3 1.6
42	+13 27.3	+15 56.8	− 0.9	+29 23.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	λ Geminorum	7	12 28.97	+ 0.28	**+26.40**	22 7 50.60	47.540	+ 4.45	+ 24.4	7 12 55.59	.....	+16 42 14.2	....
2	δ Geminorum	6	14 18.68	+ 0.25	**+26.39**	16 41 50.12	45.962	+ 4.45	+ 18.0	7 14 45.27	.....	+22 8 57.2	....
3	κ Geminorum	9	38 34.74	+ 0.24	**+26.32**	14 13 50.00	46.255	+ 4.45	+ 15.2	7 39 1.32	.....	+24 36 53.6	....
4	χ Geminorum	9	57 33.37	+ 0.22	**+26.31**	10 47 50.05	46.557	+ 4.45	+ 11.5	7 57 59.94	.....	+28 2 50.2	....
5	39 H. Cephei s. p.	9	27 6.78	+ 5.33	+26.37	305 41 50.32	44.725	+ 4.24	−1 23.4	23 27 38.48	.....	+86 48 52.9	....
6	6 B. Ursæ Minoris	9	14 14.67	− 8.39	+26.38	310 39 51.52	47.822	+ 4.24	−1 9.8	12 14 32.66	.....	+88 11 41.4	....
7	43 H. Cephei s. p.	9	55 43.72	+ 4.11	+26.39	304 39 50.65	44.430	+ 4.24	−1 27.0	0 56 14.22	.....	+85 46 42.9	....
8	α Ursæ Minoris s. p.	7	26 18.49	+13.88	+26.39	307 41 51.55	46.847	+ 4.24	−1 18.0	1 26 58.76	.....	+88 49 47.9	....
	December 27, P.												
9	Moon II, S.	9	44 29.66	+ 0.25	+26.49	14 11 50.35	47.904	+ 4.90	+ 15.3	7 44 56.40	−72.59	+24 38 15.0	....
	December 28, P.												
10	Sun I, S.	9	26 4.21	+ 0.51	+26.57	62 23 53.88	45.130	+ 4.08	+1 53.5	18 26 31.29	+71.24	−23 34 22.5	....
11	Sun II, N.	9	28 26.69	+ 0.51	+26.57	61 51 54.88	43.662	+ 4.08	+1 50.9	18 28 53.77	−71.24	−23 1 47.1	....
12	ι^1 Aquarii	9	39 3.89	+ 0.43	**+26.61**	57 35 52.45	47.272	+ 3.46	+1 33.8	23 39 30.94	.....	−18 46 49.6	....
13	δ Sculptoris	9	43 46.21	+ 0.47	+26.62	67 27 53.58	42.780	+ 3.46	+2 23.0	23 44 13.30	.....	−28 37 57.3	....
14	2 Ceti	9	58 39.72	+ 0.42	**+26.64**	56 39 51.28	46.468	+ 3.46	+1 30.6	23 59 6.76	.....	−17 50 26.9	....
15	6 B. Ursæ Minoris s. p.	9	13 58.17	+ 8.79	+26.62	307 3 49.78	46.685	+ 3.46	−1 18.6	12 14 33.58	.....	+88 11 41.1	....
16	κ Draconis s. p.	9	29 10.84	+ 1.13	+26.62	289 11 49.48	43.123	+ 3.46	−2 49.3	12 29 38.59	.....	+70 16 48.8	....
17	β Ceti	9	38 36.53	+ 0.43	**+26.66**	57 17 53.38	47.838	+ 3.46	+1 32.9	0 39 3.58	.....	−18 29 2.6	....
18	43 H. Cephei	9	55 50.33	− 3.21	+26.63	313 5 50.35	44.883	+ 3.46	−1 3.6	0 56 13.75	.....	+85 46 44.4	....
19	η Ceti	9	3 36.11	+ 0.39	+26.63	49 29 53.28	45.365	+ 3.46	+1 10.0	1 4 3.13	.....	−10 39 43.1	....
20	α Ursæ Minoris	9	26 42.67	−12.59	+26.63	310 1 51.68	47.623	+ 3.46	−1 11.0	1 26 56.71	.....	+88 49 47.7	....
21	τ Ceti	9	39 25.80	+ 0.42	**+26.61**	55 13 52.15	47.655	+ 3.46	+1 26.4	1 39 52.85	.....	−16 24 50.7	....
22	α Trianguli	9	47 29.43	+ 0.22	**+26.62**	9 41 52.45	47.368	+ 3.46	+ 10.3	1 47 56.28	.....	+29 8 31.3	....
23	β Arietis	9	49 12.47	+ 0.26	**+26.62**	18 27 52.00	48.022	+ 3.46	+ 20.1	1 49 39.36	.....	+20 22 7.3	....
24	υ Ceti	9	55 18.68	+ 0.44	+26.63	60 19 53.45	47.200	+ 3.46	+1 45.2	1 55 45.75	.....	−21 31 0.4	....
	December 28, L.												
25	γ Orionis	9	19 51.62	+ 0.36	**+26.55**	32 33 53.52	46.988	+ 4.00	+ 38.6	5 20 18.58	.....	+ 6 16 10.4	....
26	δ Orionis	9	26 57.86	+ 0.39	**+26.63**	39 11 54.45	46.670	+ 4.00	+ 49.3	5 27 24.86	.....	− 0 21 54.0	....
27	ζ Orionis	9	35 46.46	+ 0.40	**+26.60**	40 49 53.62	45.130	+ 4.00	+ 52.2	5 36 13.47	.....	− 1 59 20.8	....
28	κ Orionis	9	43 2.73	+ 0.43	**+26.61**	48 31 54.80	46.200	+ 4.00	+1 8.3	5 43 29.77	.....	− 9 42 2.5	....
29	α Orionis	9	49 51.39	+ 0.36	**+26.59**	31 27 54.30	43.570	+ 4.00	+ 36.9	5 50 18.36	.....	+ 7 23 29.4	....
30	8 Monocerotis	9	18 33.34	+ 0.37	**+26.64**	34 11 54.30	46.280	+ 4.00	+ 41.0	6 19 0.32	.....	+ 4 38 23.4	....
31	κ Geminorum	9	38 34.43	+ 0.28	**+26.64**	14 13 52.72	46.115	+ 4.00	+ 15.4	7 39 1.33	.....	+24 36 54.3	....
32	φ Geminorum	9	47 32.93	+ 0.26	**+26.66**	11 49 52.08	48.638	+ 4.00	+ 12.7	7 47 59.81	.....	+27 0 0.0	....
33	χ Geminorum	9	57 33.09	+ 0.26	**+26.60**	10 47 53.05	46.382	+ 4.00	+ 11.6	7 57 59.98	.....	+28 2 51.6	....
34	β Cancri	9	11 11.42	+ 0.35	**+26.62**	29 21 53.38	48.018	+ 4.00	+ 34.0	8 11 38.40	.....	+ 9 27 51.6	....
	December 29, L.												
35	Sun I, S.	9	30 29.99	+ 0.48	+26.68	62 19 53.82	47.232	+ 3.77	+1 54.8	18 30 57.15	+71.14	−23 31 11.5	....
36	Sun II, N.	9	32 52.27	+ 0.48	+26.68	61 47 55.32	45.805	+ 3.77	+1 52.2	18 33 19.43	−71.14	−22 58 37.5	....
37	43 H. Cephei	9	55 49.11	− 3.14	+26.70	313 5 50.98	44.955	+ 2.95	−1 5.3	0 56 12.67	.....	+85 46 44.3	....
38	η Ceti	9	3 35.96	+ 0.45	+26.70	49 29 54.15	45.245	+ 2.95	+1 11.8	1 4 3.11	.....	−10 39 42.5	....
39	θ Ceti	9	19 3.81	+ 0.44	**+26.65**	47 30 0.18	43.292	+ 2.95	+1 7.0	1 19 30.96	.....	− 8 38 59.3	....
40	α Ursæ Minoris	7	26 40.79	−12.45	+26.71	310 1 55.42	47.580	+ 2.95	−1 12.8	1 26 55.05	.....	+88 49 47.3	....
41	τ Ceti	9	39 25.62	+ 0.47	**+26.72**	55 13 54.00	47.478	+ 2.95	+1 28.4	1 39 52.80	.....	−16 24 50.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 7 24	29.428	27.8	26.7
7 58	29.410	27.8	28.2
11 27	29.418	26.0	24.2
12 14	......	....	23.7
12 56	29.420	23.8	22.4
13 26	29.420	23.4	21.9
27 7 45	29.355	23.5	23.5
28 18 28	29.394	30.0	30.0
23 37	29.428	30.2	29.5
0 2	......	....	29.4
0 21	......	....	29.0
0 42	29.440	29.1	28.8
1 0	......	....	27.8
1 19	......	....	27.1
1 42	......	....	27.0
1 57	29.450	28.0	26.6
5 21	29.430	24.9	23.4
5 37	......	....	23.6
5 51	29.428	25.1	24.0
6 19	29.416	25.0	24.0
7 39	29.378	24.4	23.4
7 55	......	....	23.2
29 18 33	29.346	24.0	22.8
0 58	29.508	19.7	17.3
1 27	......	....	17.0

Micrometer bisections are made at II, VI, except as noted below.

1, 22, 39.	Bisections at I, II.
2, 4.	Bisections at I, II, VI.
5–8, 15, 16, 18, 20, 37, 40.	Bisections at b_4, b_5, b_6.
9.	Bisections at II, III, IV, V, VI.
10, 35.	Bisections at I, II, III.
11, 36.	Bisections at V, VI, VII.
23.	Bisections at II VI VII.

Notes.

1, 4, 8.	Clouds.
21.	Hazy.
25–34.	Thin hazy clouds.
28, 30, 34, 41.	Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+14 2.1	+15 45.2	0.0	+29 47.3
10	+ 7.9	+16 17.7	...	+16 25.6
11	+ 7.9	−16 17.7	...	−16 9.8
35	+ 7.9	+16 17.0	...	+16 24.9
36	+ 7.9	−16 17.0	...	−16 9.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Ceti	9	46 33.46	+ 0.45	+26.77	49 37 54.90	43.038	+ 2.95	+1 12.2	1 47 0.62	.....	−10 46 53.4	....
2	β Arietis	9	49 12.34	+ 0.31	+26.69	18 27 54.15	47.985	+ 2.95	+ 20.6	1 49 39.36	.....	+20 22 6.0	....
3	υ Ceti	9	55 18.36	+ 0.49	+26.71	60 19 54.28	47.043	+ 2.95	+1 47.8	1 55 45.56	.....	−21 30 59.6	....
	December 30, M.												
4	Sun I, S.	9	34 55.05	+ 0.69	+26.95	62 15 53.98	48.042	+ 3.51	+1 57.7	18 35 22.69	+71.19	−23 27 32.8	....
5	Sun II, N.	9	37 17.42	+ 0.69	+26.95	61 43 48.82	46.982	+ 3.51	+1 55.0	18 37 45.06	−71.18	−22 55 0.5	....
6	α Sculptoris	9	53 47.93	+ 0.76	+27.00	68 39 51.55	44.650	+ 3.66	+2 39.0	0 54 15.69	.....	−29 50 54.1	....
7	η Ceti	9	3 35.54	+ 0.62	+27.00	49 29 51.95	45.320	+ 3.66	+1 13.1	1 4 3.16	.....	−10 39 44.0	....
8	θ Ceti	9	19 3.31	+ 0.61	+26.97	47 29 53.22	43.604	+ 3.66	+1 8.1	1 19 30.93	.....	− 8 39 1.1	....
9	τ Ceti	9	39 25.14	+ 0.66	+27.00	55 13 52.12	47.550	+ 3.66	+1 29.9	1 39 52.81	.....	−16 24 52.0	....
10	ζ Ceti	9	46 33.02	+ 0.62	+27.03	49 37 52.32	43.170	+ 3.66	+1 13.4	1 47 0.65	.....	−10 46 55.7	....
11	α Trianguli	9	47 28.85	+ 0.36	+27.03	9 41 51.30	47.490	+ 3.66	+ 10.7	1 47 56.22	.....	+29 8 29.4	....
12	υ Ceti	9	55 17.99	+ 0.69	+27.01	60 19 52.05	47.084	+ 3.66	+1 49.4	1 55 45.69	.....	−21 31 0.7	....
	December 31, P.												
13	Sun I, N.	9	39 20.51	+ 0.63	+27.14	61 39 54.10	46.295	+ 3.96	+1 53.8	18 39 48.28	+71.22	−22 50 49.5	....
14	Sun II, S.	7	41 42.94	+ 0.63	+27.14	62 11 52.90	47.937	+ 3.96	+1 56.5	18 42 10.71	−71.21	−23 23 28.4	....
15	δ Sculptoris	9	43 45.38	+ 0.70	+27.22	67 25 54.28	47.860	+ 3.72	+2 26.9	23 44 13.30	.....	−28 37 58.2	....
16	2 Ceti	9	58 38.94	+ 0.61	+27.19	56 39 52.92	46.270	+ 3.68	+1 33.2	23 59 6.77	.....	−17 50 26.8	....
17	6 B. Ursæ Minoris s. p.	9	13 56.61	+13.45	+27.22	307 3 50.55	46.737	+ 3.63	−1 20.8	12 14 37.28	.....	+88 11 41.0	....
18	β Ceti	9	38 35.74	+ 0.62	+27.22	57 17 54.28	47.758	+ 3.56	+1 35.6	0 39 3.59	.....	−18 29 4.5	....
19	43 H. Cephei	9	55 50.22	− 5.02	+27.23	313 5 51.65	44.898	+ 3.51	−1 5.3	0 56 12.43	.....	+85 46 44.4	....
20	η Ceti	9	3 35.32	+ 0.56	+27.23	49 29 54.25	45.262	+ 3.49	+1 11.8	1 4 3.11	.....	−10 39 43.5	....
21	α Ursæ Minoris	9	26 43.61	−19.47	+27.24	310 1 51.15	47.673	+ 3.42	−1 12.7	1 26 51.38	.....	+88 49 48.8	....
22	τ Ceti	9	39 25.01	+ 0.60	+27.18	55 13 53.75	47.542	+ 3.38	+1 28.4	1 39 52.85	.....	−16 24 51.6	....
23	β Arietis	9	49 11.77	+ 0.34	+27.21	18 27 52.90	47.938	+ 3.35	+ 20.6	1 49 39.35	.....	+20 22 7.9	....
24	υ Ceti	9	55 17.76	+ 0.64	+27.24	60 19 53.98	47.098	+ 3.34	+1 47.8	1 55 45.64	.....	−21 31 1.1	....
25	γ Orionis	9	19 50.83	+ 0.44	+27.27	32 33 53.52	46.995	+ 3.56	+ 39.4	5 20 18.54	.....	+ 6 16 9.9	....
26	δ Orionis	9	26 57.08	+ 0.49	+27.32	39 11 54.08	46.655	+ 3.56	+ 50.4	5 27 24.84	.....	− 0 21 53.9	....
27	ζ Orionis	9	35 45.66	+ 0.50	+27.31	40 49 52.58	45.145	+ 3.56	+ 53.4	5 36 13.43	.....	− 1 59 20.9	....
28	κ Orionis	9	43 2.03	+ 0.55	+27.21	48 31 54.25	46.208	+ 3.56	+1 9.8	5 43 29.85	.....	− 9 42 3.2	....
29	α Orionis	9	49 50.64	+ 0.44	+27.28	31 27 53.35	43.600	+ 3.56	+ 37.8	5 50 18.35	.....	+ 7 23 29.2	....
30	8 Monocerotis	9	18 32.57	+ 0.45	+27.36	34 11 54.10	46.265	+ 3.56	+ 42.0	6 19 0.30	.....	+ 4 38 23.4	....
31	ν Geminorum	8	23 9.94	+ 0.34	+27.29	18 33 52.48	47.665	+ 3.56	+ 20.8	6 23 37.56	.....	+20 16 14.1	....
32	γ Geminorum	9	32 3.55	+ 0.37	+27.29	22 21 53.30	46.322	+ 3.56	+ 25.5	6 32 31.20	.....	+16 28 39.3	....
33	ε Geminorum	9	37 56.58	+ 0.30	+27.30	13 37 51.42	45.155	+ 3.56	+ 15.0	6 38 24.16	.....	+25 13 18.4	....
34	ζ Geminorum	9	58 19.14	+ 0.34	+27.26	18 7 53.05	47.708	+ 3.56	+ 20.3	6 58 46.76	.....	+20 42 13.1	....
35	δ Geminorum	9	14 17.78	+ 0.33	+27.30	16 41 52.45	45.840	+ 3.56	+ 18.6	7 14 45.39	.....	+22 8 58.1	....
36	Neptune C, C.	9	17 52.15	+ 0.33	+27.28	17 19 48.98	47.044	+ 3.56	+ 19.3	7 18 19.76	.....	+21 30 33.3	....
	December 31, M.												
37	d Leonis	9	55 26.69	+ 0.45	+27.33	34 43 49.62	47.142	+ 4.03	+ 43.1	10 55 54.50	.....	+ 4 6 6.2	....
38	χ Leonis	9	59 54.42	+ 0.42	+27.36	31 1 49.35	44.012	+ 4.03	+ 37.4	11 0 22.20	.....	+ 7 49 23.7	....
39	θ Leonis	9	9 3.07	+ 0.36	+27.35	22 55 48.58	44.832	+ 4.03	+ 26.3	11 9 30.79	.....	+15 55 16.8	....
40	Moon II, S.	9	18 55.13	+ 0.42	+27.36	29 27 49.52	48.031	+ 4.03	+ 35.2	11 19 22.91	−62.88	+ 9 21 53.8	....
41	τ Leonis	9	22 50.29	+ 0.45	+27.35	35 29 49.52	44.285	+ 4.03	+ 44.4	11 23 18.11	.....	+ 3 21 10.3	....
42	β Leonis	9	43 59.95	+ 0.37	+27.37	23 45 49.30	46.855	+ 4.03	+ 27.5	11 44 27.69	.....	+15 4 28.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 1 40	......	....	17.1
1 56	29.526	18.1	16.9
30 18 37	29.762	17.0	16.8
0 54	29.850	15.8	14.8
1 39	......	....	14.8
1 55	29.834	14.8	14.7
31 18 42	29.890	23.0	22.3
23 42	29.922	25.0	24.5
0 1	......	....	24.0
0 24	......	....	23.5
0 41	29.948	24.2	23.5
1 0	......	....	24.0
1 20	......	....	24.1
1 42	......	....	23.9
1 57	29.950	24.0	23.3
5 18	29.952	22.2	22.0
5 40	......	....	21.5
5 55	......	....	21.4
6 16	29.944	22.1	21.1
6 42	......	....	21.1
7 1	......	....	21.2
7 19	29.936	22.8	21.1
10 55	29.956	19.0	18.3
11 9	......	....	18.2
11 23	......	....	18.0
11 44	29.952	18.6	17.8

Micrometer bisections are made at II, VI, except as noted below.

1, 10.	Bisections at I, II.
3.	Bisections at III, VI, VII.
4, 13.	Bisections at I, II, III.
5, 14.	Bisections at V, VI, VII.
6–8, 12, 36.	Bisections at I, II, VI, VII.
11, 42.	Bisections at VI, VII.
17, 19, 21.	Bisections at b_4, b_5, b_6.
40.	Bisections at II, III, IV, V, VI.

Note.

19, 20. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 7.9	+16 16.1	...	+16 24.0
5	+ 7.9	−16 16.2	...	−16 8.3
13	+ 7.9	−16 19.4	...	−16 11.5
14	+ 7.9	+16 19.5	...	+16 27.4
36	0.0	......	...	0.0
40	+26 54.0	+14 59.6	...	+41 53.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 3, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Orionis	9	19 50.41	+ 0.28	**+27.86**	32 33 49.72	47.080	+ 6.04	+ 38.1	5 20 18.53	.....	+ 6 16 10.5	....
2	δ Orionis	9	26 56.73	+ 0.31	**+27.86**	39 11 51.42	46.768	+ 6.04	+ 48.6	5 27 24.88	.....	− 0 21 54.5	....
3	ζ Orionis	9	35 45.31	+ 0.32	**+27.85**	40 49 49.05	45.300	+ 6.04	+ 51.5	5 36 13.47	.....	− 1 59 21.5	....
4	κ Orionis	8	43 1.66	+ 0.36	**+27.78**	48 31 51.18	46.400	+ 6.04	+1 7.4	5 43 29.86	.....	− 9 42 4.4	....
5	α Orionis	8	49 50.29	+ 0.28	**+27.81**	31 27 49.55	43.720	+ 6.04	+ 36.5	5 50 18.41	.....	+ 7 23 29.1	....
6	8 Monocerotis	9	18 32.27	+ 0.29	**+27.85**	34 11 50.62	46.365	+ 6.04	+ 40.7	6 19 0.41	.....	+ 4 38 23.4	....
7	γ Geminorum	9	32 3.16	+ 0.23	**+27.85**	22 21 50.42	46.382	+ 6.04	+ 24.7	6 32 31.24	.....	+16 28 39.2	....
8	ε Geminorum	9	37 56.12	+ 0.18	**+27.92**	13 37 48.78	45.175	+ 6.04	+ 14.6	6 38 24.15	.....	+25 13 18.5	....
9	ζ Geminorum	9	58 18.70	+ 0.21	**+27.88**	18 7 48.85	47.770	+ 6.04	+ 19.7	6 58 46.76	.....	+20 42 14.0	....
10	λ Geminorum	9	12 27.67	+ 0.23	**+27.87**	22 7 50.10	47.452	+ 6.04	+ 24.5	7 12 55.75	.....	+16 42 15.2	....
11	Neptune C, C	9	17 30.24	+ 0.21	+27.85	17 19 48.05	45.142	+ 6.04	+ 18.8	7 17 58.30	.....	+21 31 15.7	....
12	β Canis Minoris	9	21 48.53	+ 0.27	**+27.91**	30 21 49.32	46.835	+ 6.04	+ 35.2	7 22 16.66	.....	+ 8 28 19.4	....
13	κ Geminorum	9	38 33.32	+ 0.19	**+27.96**	14 13 48.62	46.195	+ 6.04	+ 15.3	7 39 1.37	.....	+24 36 54.6	....
14	d Leonis	9	55 26.38	+ 0.30	**+27.88**	34 43 49.85	47.082	+ 5.29	+ 42.6	10 55 54.57	.....	+ 4 6 6.6	....
15	δ Crateris	9	14 21.84	+ 0.39	**+27.83**	53 7 49.28	43.945	+ 5.29	+1 21.9	11 14 50.12	.....	−14 17 20.4	....
16	τ Leonis	9	22 50.04	+ 0.31	**+27.84**	35 29 48.20	44.322	+ 5.29	+ 43.9	11 23 18.24	.....	+ 3 21 10.0	....
17	β Virginis	9	45 31.78	+ 0.32	**+27.85**	36 33 50.62	46.230	+ 5.29	+ 45.8	11 45 59.99	.....	+ 2 16 22.1	....
18	6 B. Ursæ Minoris	9	14 20.83	−10.12	+27.90	310 39 46.25	48.158	+ 5.29	−1 11.7	12 14 38.61	.....	+88 11 39.8	....
19	43 H. Cephei s. P.	9	55 39.22	+ 5.02	+27.90	304 39 45.90	44.783	+ 5.29	−1 29.4	0 56 12.14	.....	+85 46 44.8	....
20	θ Virginis	9	4 48.02	+ 0.38	**+27.91**	43 53 48.92	45.238	+ 5.29	+ 59.8	13 5 16.30	.....	− 5 3 27.5	....
21	α Virginis	9	19 57.65	+ 0.42	**+27.83**	49 31 49.88	44.505	+ 5.29	+1 12.9	13 20 25.98	.....	−10 41 24.8	....
22	Moon II, S	8	32 15.14	+ 0.40	+27.91	45 27 47.78	44.511	+ 5.29	+1 3.4	13 32 43.45	−61.32	− 6 37 13.4	....
	January 4, P.												
23	Sun I, S	9	56 59.35	+ 0.59	+27.97	61 51 54.48	45.197	+ 4.54	+1 56.7	18 57 27.91	+70.93	−23 2 28.3	....
24	Sun II, N	9	59 21.22	+ 0.59	+27.97	61 19 53.88	43.790	+ 4.54	+1 54.1	18 59 49.78	−70.94	−22 29 52.8	....
25	Venus I, S	9	48 48.41	+ 0.47	+27.99	51 33 50.70	45.790	+ 4.30	+1 18.6	21 49 16.87	+ 1.35	−12 43 59.7	....
26	μ Ceti	9	39 35.78	+ 0.36	**+28.04**	29 7 53.50	42.160	+ 4.92	+ 35.2	2 40 4.19	.....	+ 9 44 3.2	....
27	τ² Eridani	9	46 28.79	+ 0.55	+28.05	60 11 54.00	45.978	+ 4.92	+1 50.0	2 46 57.39	.....	−21 22 39.3	....
28	δ Arietis	9	6 0.27	+ 0.29	**+28.04**	19 27 53.32	44.850	+ 4.92	+ 22.4	3 6 28.61	.....	+19 23 14.5	....
29	12 Eridani	9	7 46.49	+ 0.61	+28.05	68 9 53.65	43.965	+ 4.92	+2 36.8	3 8 15.15	.....	−29 20 39.7	....
30	ε Eridani	9	28 12.90	+ 0.48	**+28.08**	48 35 53.88	45.532	+ 4.92	+1 11.6	3 28 41.43	.....	− 9 45 50.5	....
31	δ Eridani	9	38 27.83	+ 0.48	**+28.02**	48 53 53.40	46.290	+ 4.92	+1 12.4	3 38 56.37	.....	−10 4 8.2	....
32	τ⁶ Eridani	9	42 30.29	+ 0.57	+28.06	62 19 53.32	46.560	+ 4.92	+2 0.3	3 42 58.92	.....	−23 31 2.2	....
33	A Tauri	9	58 54.03	+ 0.27	**+28.07**	16 59 53.18	47.568	+ 4.92	+ 19.4	3 59 22.36	.....	+21 50 15.7	....
34	o¹ Eridani	9	6 59.99	+ 0.46	**+28.08**	45 53 54.52	47.128	+ 4.92	+1 5.3	4 7 28.51	.....	− 7 4 21.4	....
	January 7, P.												
35	Sun I, S	9	10 9.06	+ 0.62	+28.62	61 29 55.05	49.213	+ 5.72	+1 51.1	19 10 38.30	+70.76	−22 41 56.2	....
36	Sun II, N	9	12 30.59	+ 0.62	+28.62	60 57 55.05	47.927	+ 5.72	+1 48.7	19 12 59.83	−70.77	−22 9 24.3	....
37	Mercury C, C	9	31 20.93	+ 0.59	+28.63	58 57 53.28	48.037	+ 5.96	+1 40.6	20 31 50.15	+ 0.07	−20 9 17.3	....
38	Venus I, S	9	54 24.07	+ 0.55	+28.64	50 29 54.62	49.645	+ 5.29	+1 13.7	21 54 53.26	+ 1.42	−11 41 27.8	....
39	B. D.+56°498	9	11 34.99	+ 0.04	+28.69	342 15 51.52	45.235	+ 5.35	− 19.6	2 12 3.72	+ 0.70	+56 35 48.9	−12.0
40	μ Ceti	9	39 35.07	+ 0.42	**+28.66**	29 5 53.95	47.418	+ 5.37	+ 34.4	2 40 4.19	.....	+ 9 44 2.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
3 5 18	29.918	39.1	38.0
5 40	....	....	37.5
5 52	29.932	38.1	37.0
6 17	....	....	36.1
6 41	29.936	37.0	35.9
7 2	....	....	35.0
7 25	....	....	34.2
7 40	29.955	35.2	34.0
10 54	30.106	28.0	26.6
10 58	....	....	26.2
11 26	30.120	27.2	25.2
11 49	....	....	24.3
12 21	30.178	25.1	23.0
12 59	30.198	24.1	22.0
13 19	....	....	21.5
13 33	30.225	23.0	21.0
4 18 59	30.330	23.6	21.0
21 49	30.354	26.0	23.0
2 38	30.418	20.1	18.8
3 2	....	....	18.1
3 34	30.420	19.5	18.0
3 56	....	....	18.0
4 10	....	....	17.8
4 16	30.435	19.0	....
7 19 13	29.822	30.2	29.5
20 31	29.880	31.0	29.2
21 55	29.940	31.0	29.1
2 9	30.100	25.5	24.2
2 38	....	....	24.0

Micrometer bisections are made at II, VI, except as noted below.

4.	Bisections at VI, VII.
11, 25, 38, 39.	Bisections at I, II, VI, VII.
18, 19.	Bisections at b_4, b_5, b_6.
22.	Bisections at II, III, IV, V, VI.
23, 35.	Bisections at I, II, III.
24, 36.	Bisections at V, VI, VII.
28.	Bisections at I, II.
30, 33, 37.	Bisections at II, VI, VII.

Notes.

4, 20, 21. Clouds.

26–34. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	0.0	.. ....	...	0.0
22	+38 31.4	+14 48.0	...	+53 19.4
23	+ 7.9	+16 17.7	...	+16 25.6
24	+ 7.8	−16 17.7	...	−16 9.9
25	+ 15.9	+ 19.8	...	+ 35.7
35	+ 7.8	+16 16.0	...	+16 23.8
36	+ 7.8	−16 15.9	...	−16 8.1
37	+ 7.2	.. ....	+0.2	+ 7.4
38	+ 16.5	+ 20.7	...	+ 37.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	τ^2 Eridani	9	46 28.12	+ 0.57	+28.70	60 11 53.88	46.102	+ 5.39	+1 47.6	2 46 57.39	.....	−21 22 40.0	....
2	12 Eridani	9	7 45.87	+ 0.62	+28.70	68 9 52.72	44.158	+ 5.45	+2 33.5	3 8 15.19	.....	−29 20 40.4	....
3	ζ Arietis	9	9 14.27	+ 0.36	**+28.67**	18 7 54.08	46.235	+ 5.45	+ 20.3	3 9 43.33	.....	+20 42 43.9	....
4	ε Eridani	9	28 12.24	+ 0.51	**+28.69**	48 35 54.85	45.520	+ 5.50	+1 10.2	3 28 41.45	.....	− 9 45 50.4	....
5	δ Eridani	9	38 27.11	+ 0.51	**+28.69**	48 53 54.60	46.310	+ 5.52	+1 11.0	3 38 56.32	.....	−10 4 9.1	....
6	η Tauri	9	41 38.82	+ 0.34	**+28.69**	15 1 53.80	43.800	+ 5.53	+ 16.7	3 42 7.86	.....	+23 49 43.3	....
7	*A* Tauri	9	58 53.27	+ 0.36	**+28.73**	16 59 52.82	47.548	+ 5.58	+ 19.0	3 59 22.34	.....	+21 50 16.3	....
8	o^1 Eridani	9	6 59.33	+ 0.50	**+28.68**	45 53 54.50	47.190	+ 5.60	+1 4.1	4 7 28.54	.....	− 7 4 22.3	....
9	53 Eridani	9	33 34.71	+ 0.54	**+28.59**	53 17 52.85	47.632	+ 5.67	+1 23.5	4 34 3.96	.....	−14 28 50.1	....
10	γ Orionis	9	19 49.39	+ 0.45	**+28.72**	32 33 51.60	46.968	+ 5.80	+ 39.9	5 20 18.56	.....	+ 6 16 9.7	....
11	δ Orionis	9	26 55.74	+ 0.48	**+28.68**	39 11 54.42	46.533	+ 5.83	+ 51.0	5 27 24.94	.....	− 0 21 54.3	....
12	ζ Orionis	9	35 44.27	+ 0.49	**+28.73**	40 49 52.50	45.045	+ 5.86	+ 54.0	5 36 13.48	.....	− 1 59 21.4	....
13	κ Orionis	9	43 0.57	+ 0.53	**+28.71**	48 31 54.20	46.110	+ 5.89	+1 10.7	5 43 29.82	.....	− 9 42 4.2	....
14	α Orionis	9	49 49.24	+ 0.44	**+28.72**	31 27 53.00	43.510	+ 5.91	+ 38.3	5 50 18.40	.....	+ 7 23 28.8	....
15	8 Monocerotis	9	18 31.22	+ 0.46	**+28.76**	34 11 55.02	46.075	+ 6.02	+ 42.6	6 19 0.41	.....	+ 4 38 23.7	....
16	ε Geminorum	9	37 55.11	+ 0.34	**+28.81**	13 37 52.98	44.938	+ 6.09	+ 15.2	6 38 24.18	.....	+25 13 19.0	....
17	ζ Geminorum	9	58 17.74	+ 0.37	**+28.73**	18 7 53.52	47.532	+ 6.16	+ 20.6	6 58 46.84	.....	+20 42 13.8	....
18	λ Geminorum	9	12 26.71	+ 0.39	**+28.73**	22 7 51.98	47.335	+ 6.22	+ 25.6	7 12 55.84	.....	+16 42 14.7	....
19	Neptune C, C	9	17 0.47	+ 0.36	+28.74	17 17 53.00	47.696	+ 6.19	+ 19.6	7 17 29.57	.....	+21 32 11.5	....
20	β Canis Minoris	9	21 47.51	+ 0.44	**+28.82**	30 21 53.80	46.572	+ 6.25	+ 36.8	7 22 16.69	.....	+ 8 28 19.2	....
21	κ Geminorum	9	38 32.34	+ 0.35	**+28.84**	14 13 52.32	46.010	+ 6.31	+ 16.0	7 39 1.43	.....	+24 36 54.2	....
	January 7, L.												
22	39 H. Cephei s. p.	9	26 57.94	+ 6.53	+28.71	305 41 55.75	44.600	+ 5.80	−1 27.5	23 27 33.18	.....	+86 48 52.9	....
23	γ Cephei s. p.	9	35 4.07	+ 2.00	+28.72	296 1 54.05	44.185	+ 5.80	−2 8.3	23 35 34.79	.....	+77 8 1.0	....
24	6 B. Ursæ Minoris	9	14 23.56	−10.31	+28.72	310 39 53.68	47.860	+ 5.80	−1 13.1	12 14 41.97	.....	+88 11 40.1	....
25	κ Draconis	9	29 11.22	− 0.42	+28.72	328 33 52.92	48.672	+ 5.80	− 38.5	12 29 39.52	.....	+70 16 47.8	....
26	43 H. Cephei s. p.	9	55 36.39	+ 5.28	+28.73	304 39 53.62	44.510	+ 5.80	−1 30.9	0 56 10.40	.....	+85 46 45.3	....
27	α Ursæ Minoris s. p.	9	25 57.00	+17.91	+28.73	307 41 53.58	46.955	+ 5.80	−1 21.5	1 26 43.64	.....	+88 49 50.4	....
	January 8, L.												
28	Sun I, N	9	14 31.28	+ 0.65	+28.78	60 51 56.65	43.103	+ 5.73	+1 50.8	19 15 0.71	+70.65	−22 1 37.9	....
29	Sun II, S	9	16 52.59	+ 0.65	+28.78	61 23 56.68	44.603	+ 5.73	+1 53.2	19 17 22.02	−70.66	−22 34 14.5	....
30	Mercury C, C	9	36 12.02	+ 0.62	+28.79	58 29 55.88	47.736	+ 5.27	+1 40.2	20 36 41.43	+ 0.07	−19 41 11.9	....
31	γ Cephei	9	35 6.79	− 0.97	+28.82	321 43 54.30	45.928	+ 5.04	− 48.2	23 35 34.64	.....	+77 7 59.6	....
32	6 B. Ursæ Minoris s. p.	9	14 2.11	+11.35	+28.83	307 3 53.42	46.607	+ 5.04	−1 21.1	12 14 42.29	.....	+88 11 42.0	....
33	β Ceti	9	38 34.11	+ 0.61	**+28.75**	57 17 56.38	47.564	+ 5.04	+1 35.9	0 39 3.55	.....	−18 29 3.9	....
34	43 H. Cephei	9	55 45.50	− 4.09	+28.83	313 5 54.45	44.732	+ 5.04	−1 5.6	0 56 10.24	.....	+85 46 44.1	....
35	α Ursæ Minoris	9	26 31.44	−16.17	+28.84	310 1 55.05	47.462	+ 5.04	−1 13.2	1 26 44.11	.....	+88 49 48.6	....
36	τ Ceti	9	39 23.28	+ 0.60	**+28.81**	55 13 56.08	47.379	+ 5.04	+1 29.0	1 39 52.72	.....	−16 24 52.5	....
37	α Trianguli	8	47 26.93	+ 0.32	**+28.88**	9 41 56.38	47.160	+ 5.04	+ 10.6	1 47 56.09	.....	+29 8 30.5	....
38	υ Ceti	9	55 16.09	+ 0.63	+28.84	60 19 56.25	46.900	+ 5.04	+1 48.5	1 55 45.56	.....	−21 31 1.2	....
39	B. D.+56°543	9	13 5.53	0.00	+28.84	341 57 55.58	43.540	+ 5.04	− 20.1	2 13 34.37	+ 0.71	+56 54 24.4	−12.2
40	μ Ceti	5	39 34.99	+ 0.46	**+28.69**	29 5 56.38	47.318	+ 4.99	+ 34.6	2 40 4.30	.....	+ 9 44 3.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 3 4	30.140	25.0	23.8
3 27	......	....	23.1
3 46	......	....	22.8
4 3	30.190	23.9	22.2
4 35	30.215	23.0	21.9
5 18	30.232	22.0	20.9
5 40	......	....	20.2
5 52	......	....	20.0
6 16	30.250	21.0	19.9
6 40	......	....	19.2
7 1	30.255	20.2	19.0
7 28	......	....	18.8
7 40	30.268	20.0	19.0
11 36	30.306	17.1	16.3
12 15	......	....	16.9
12 30	30.310	17.4	15.8
12 58	......	....	15.9
13 26	30.330	15.9	15.3
8 19 17	30.390	27.3	27.1
20 36	30.364	29.3	29.7
23 36	30.334	30.7	29.7
0 19	......	....	28.3
0 40	30.330	28.9	27.9
0 58	......	....	27.7
1 28	......	....	27.0
1 40	30.332	27.0	26.9
1 56	......	....	26.1
2 15	......	....	25.7
2 40	30.324	25.3	25.0

Micrometer bisections are made at II, VI, except as noted below.

3, 4, 9, 11.	Bisections at II, VI, VII.
19, 30, 33, 36, 38, 39.	Bisections at I, II, VI, VII.
22–27, 31, 32, 34, 35.	Bisections at b_4, b_5, b_6.
28.	Bisections at I, II, III.
29.	Bisections at V, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	0.0	.. ....	...	0.0
28	+ 7.8	−16 18.3	...	−16 10.5
29	+ 7.8	+16 18.3	...	+16 26.1
30	+ 7.3	.. ....	+0.2	+ 7.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	τ² Eridani	9	46 27.84	+ 0.64	+28.85	60 11 56.28	45.944	+ 4.99	+1 48.1	2 46 57.33	.....	−21 22 38.9	....
2	α Ceti	9	57 4.88	+ 0.49	**+28.82**	35 5 56.60	46.610	+ 4.99	+ 43.6	2 57 34.22	.....	+ 3 44 10.0	....
3	12 Eridani	9	7 45.55	+ 0.69	+28.85	68 9 55.72	44.054	+ 4.99	+2 34.0	3 8 15.09	.....	−29 20 41.0	....
4	ε Eridani	9	28 12.04	+ 0.57	**+28.82**	48 35 56.80	45.475	+ 4.99	+1 10.4	3 28 41.46	.....	− 9 45 51.1	....
5	δ Eridani	8	38 26.88	+ 0.57	**+28.86**	48 53 57.50	46.185	+ 4.99	+1 11.2	3 38 56.31	.....	−10 4 8.9	....
6	η Tauri	9	41 38.56	+ 0.37	**+28.91**	15 1 55.00	43.765	+ 4.99	+ 16.7	3 42 7.79	.....	+23 49 43.4	....
7	A Tauri	9	58 53.06	+ 0.38	**+28.91**	16 59 54.15	47.525	+ 4.99	+ 19.1	3 59 22.30	.....	+21 50 16.0	....
8	γ Orionis	9	19 49.19	+ 0.48	**+28.89**	32 33 55.25	46.875	+ 5.22	+ 39.8	5 20 18.54	.....	+ 6 16 8.8	....
9	δ Orionis	9	26 55.47	+ 0.52	**+28.92**	39 11 56.58	46.512	+ 5.22	+ 50.8	5 27 24.86	.....	− 0 21 55.2	....
10	ζ Orionis	9	35 44.06	+ 0.53	**+28.90**	40 49 55.28	45.010	+ 5.22	+ 53.8	5 36 13.46	.....	− 1 59 22.6	....
11	κ Orionis	9	43 0.36	+ 0.57	**+28.88**	48 31 56.82	46.082	+ 5.22	+1 10.4	5 43 29.80	.....	− 9 42 5.2	....
12	α Orionis	9	49 49.05	+ 0.48	**+28.87**	31 27 55.82	43.430	+ 5.22	+ 38.1	5 50 18.41	.....	+ 7 23 28.7	....
13	8 Monocerotis	9	18 31.03	+ 0.49	**+28.93**	34 11 56.65	46.115	+ 5.22	+ 42.3	6 19 0.40	.....	+ 4 38 22.3	....
14	ε Geminorum	9	37 54.98	+ 0.36	**+28.93**	13 37 55.78	44.890	+ 5.22	+ 15.2	6 38 24.22	.....	+25 13 18.2	....
15	ζ Geminorum	9	58 17.66	+ 0.40	**+28.79**	18 7 55.68	47.498	+ 5.22	+ 20.5	6 58 46.95	.....	+20 42 13.4	....
16	λ Geminorum	9	12 26.53	+ 0.42	**+28.90**	22 7 55.28	47.260	+ 5.22	+ 25.4	7 12 55.84	.....	+16 42 14.4	....
17	Neptune C, C	9	16 53.04	+ 0.39	+28.89	17 17 55.75	47.051	+ 5.22	+ 19.5	7 17 22.32	.....	+21 32 24.5	....
18	β Canis Minoris	9	21 47.39	+ 0.47	**+28.92**	30 21 56.25	46.545	+ 5.22	+ 36.5	7 22 16.75	.....	+ 8 28 18.6	....
19	κ Geminorum	9	38 32.24	+ 0.37	**+28.94**	14 13 55.20	45.938	+ 5.22	+ 15.9	7 39 1.50	.....	+24 36 54.1	....
	January 9, M.												
20	α Ursæ Minoris S. P.	7	25 58.07	+17.05	+29.25	307 41 54.62	46.853	+ 4.38	−1 20.3	1 26 44.37	.....	+88 49 48.9	....
21	50 Cassiopeiæ S. P.	9	55 11.97	+ 1.53	.....	290 53 54.98	44.075	+ 4.38	−2 41.7	1 55	.....	+71 59 24.6	....
22	α Draconis	9	1 27.43	− 0.23	.....	334 3 54.25	44.945	+ 4.38	− 30.2	14 1	.....	+64 48 4.8	....
	January 10, M.												
23	Sun I, N	9	23 14.44	+ 0.63	+29.31	60 33 56.68	46.607	+ 5.12	+1 49.6	19 23 44.38	+70.52	−21 44 56.1	....
24	Sun II, S	9	25 35.48	+ 0.63	+29.31	61 5 56.28	47.967	+ 5.12	+1 52.1	19 26 5.42	−70.52	−22 17 29.2	....
25	Mercury I, C	9	44 45.61	+ 0.60	+29.32	57 33 54.88	46.779	+ 5.02	+1 37.2	20 45 15.53	+ 0.24	−18 44 45.7	....
26	Venus I, S	9	58 59.24	+ 0.56	+29.33	49 29 55.18	48.460	+ 5.02	+1 12.4	21 59 29.13	+ 1.48	−10 40 59.7	....
27	α Ursæ Minoris	9	26 30.22	−16.12	+29.36	310 1 54.32	47.505	+ 4.82	−1 13.7	1 26 43.46	.....	+88 49 49.1	....
28	50 Cassiopeiæ	9	55 13.79	− 0.52	+29.36	326 51 53.42	47.120	+ 4.82	− 40.5	1 55 42.63	.....	+71 59 25.8	....
29	α Draconis S. P.	8	1 25.94	+ 1.25	+29.36	283 43 53.20	44.440	+ 4.82	−4 9.2	14 1 56.55	.....	+64 48 4.1	....
30	B. D.+56°498	9	11 34.12	+ 0.01	+29.37	342 15 56.02	45.035	+ 4.82	− 19.8	2 12 3.50	+ 0.77	+56 35 49.6	−12.3
31	B. D.+56°543	9	13 4.99	0.00	+29.37	341 57 55.62	43.530	+ 4.82	− 20.2	2 13 34.36	+ 0.76	+56 54 25.1	−12.4
32	δ Ceti	9	34 21.93	+ 0.51	**+29.34**	38 53 52.95	46.025	+ 4.82	+ 50.4	2 34 51.81	.....	− 0 3 39.6	....
33	π Ceti	9	39 20.20	+ 0.60	+29.37	53 3 53.42	46.862	+ 4.82	+1 23.0	2 39 50.17	.....	−14 14 31.8	....
34	τ² Eridani	9	46 27.36	+ 0.64	+29.37	60 11 53.85	46.048	+ 4.82	+1 48.9	2 46 57.37	.....	−21 22 39.5	....
35	ε Arietis (*mean*)	9	53 33.70	+ 0.39	**+29.33**	17 51 53.72	45.882	+ 4.82	+ 20.2	2 54 3.46	.....	+20 58 53.0	....
36	12 Eridani	9	7 45.11	+ 0.69	+29.37	68 9 54.92	44.105	+ 4.82	+2 35.2	3 8 15.17	.....	−29 20 42.5	....
37	ε Eridani	9	28 11.47	+ 0.57	**+29.37**	48 35 53.80	45.622	+ 4.82	+1 10.9	3 28 41.42	.....	− 9 45 51.8	....
38	B. D.+23°505	9	38 57.21	+ 0.37	+29.38	14 49 52.38	47.140	+ 4.82	+ 16.6	3 39 26.96	+ 0.12	+24 0 29.0	− 3.8
39	B. D.+23°531	5	41 25.58	+ 0.37	+29.38	14 59 52.95	45.515	+ 4.82	+ 16.8	3 41 55.33	+ 0.11	+23 51 5.3	− 3.8
40	B. D.+23°536	5	41 30.12	+ 0.37	+29.38	14 59 52.95	47.440	+ 4.82	+ 16.8	3 41 59.87	+ 0.11	+23 50 21.7	− 3.8
41	γ Eridani	9	53 20.09	+ 0.59	**+29.34**	52 35 53.08	45.445	+ 4.82	+1 21.8	3 53 50.06	.....	−13 45 57.9	....
42	o¹ Eridani	9	6 58.54	+ 0.55	**+29.41**	45 53 53.90	47.275	+ 4.82	+1 4.6	4 7 28.47	.....	− 7 4 23.3	....
43	γ Orionis	9	19 48.74	+ 0.46	**+29.37**	32 33 52.70	47.012	+ 4.92	+ 40.1	5 20 18.59	.....	+ 6 16 8.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 2 47	......	....	25.0
3 9	......	....	24.9
3 45	30.310	24.6	24.1
4 0	......	....	23.8
5 21	30.286	23.9	23.0
5 37	......	....	22.9
5 51	......	....	22.7
6 21	30.272	23.0	22.7
6 39	......	....	22.1
6 55	......	....	21.8
7 20	......	....	21.7
7 39	30.238	22.4	21.2
9 13 26	30.240	21.8	20.8
14 1	30.256	21.8	21.0
10 19 26	30.352	26.5	25.8
20 45	30.350	27.2	26.7
21 59	30.366	28.2	27.2
1 27	30.396	24.8	24.2
1 55	......	....	23.9
2 13	30.390	24.4	....
2 34	......	....	23.0
2 54	......	....	22.6
3 28	30.394	21.8	22.2
4 7	30.402	21.7	22.2
5 20	30.400	20.2	21.5

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 17, 25, 26.	Bisections at I, II, VI, VII.
5.	Bisection at II.
20–22, 27–29.	Bisections at b_4, b_5, b_6.
23.	Bisections at I, II, III.
24.	Bisections at V, VI, VII.
30, 38, 39.	Bisections at I, II.
40.	Bisections at VI, VII.

Notes.

3. Faint.
20. Unsteady.
29. Poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
17	0.0	.. ....	...	0.0
23	+ 7.8	−16 16.5	...	−16 8.7
24	+ 7.8	+16 16.6	...	+16 24.4
25	+ 7.6	.. ....	+0.3	+ 7.9
26	+ 16.9	+ 21.8	...	+ 38.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Orionis	9	26 54.98	+ 0.50	**+29.43**	39 11 54.72	46.638	+ 4.92	+ 51.1	5 27 24.87	.....	− 0 21 56.2	....
2	ζ Orionis	9	35 43.59	+ 0.51	**+29.40**	40 49 53.20	45.118	+ 4.92	+ 54.2	5 36 13.50	.....	− 1 59 23.1	....
3	κ Orionis	9	42 59.84	+ 0.56	**+29.42**	48 31 54.65	46.188	+ 4.92	+1 10.9	5 43 29.80	.....	− 9 42 5.6	....
4	α Orionis	9	49 48.55	+ 0.46	**+29.40**	31 27 54.12	43.568	+ 4.92	+ 38.4	5 50 18.41	.....	+ 7 23 27.2	....
5	8 Monocerotis	9	18 30.56	+ 0.47	**+29.43**	34 11 54.38	46.255	+ 4.92	+ 42.7	6 19 0.43	.....	+ 4 38 21.3	....
6	ν Geminorum	9	23 7.93	+ 0.38	**+29.34**	18 33 53.90	47.565	+ 4.92	+ 21.2	6 23 37.71	.....	+20 16 13.3	....
7	ε Geminorum	9	37 54.52	+ 0.34	**+29.43**	13 37 51.65	45.102	+ 4.92	+ 15.3	6 38 24.27	.....	+25 13 17.7	....
8	ζ Geminorum	9	58 17.07	+ 0.37	**+29.43**	18 7 53.58	47.655	+ 4.92	+ 20.7	6 58 46.85	.....	+20 42 12.0	....
9	δ Geminorum	9	14 15.73	+ 0.36	**+29.46**	16 41 52.58	45.770	+ 4.92	+ 18.9	7 14 45.50	.....	+22 8 57.7	....
10	Neptune C, C	9	16 38.07	+ 0.37	+29.41	17 17 54.38	45.911	+ 4.92	+ 19.6	7 17 7.85	.....	+21 32 52.1	....
11	β Canis Minoris	9	21 46.95	+ 0.45	**+29.40**	30 21 54.28	46.655	+ 4.92	+ 36.9	7 22 16.81	.....	+ 8 28 18.0	....
	January 10, P.												
12	6 B. Ursæ Minoris	9	14 26.33	−11.00	+29.41	310 39 50.65	48.008	+ 5.16	−1 13.2	12 14 44.74	.....	+88 11 40.5	....
13	κ Draconis	9	29 10.79	− 0.46	+29.41	328 33 52.00	48.746	+ 5.16	− 38.4	12 29 39.74	.....	+70 16 46.9	....
14	43 H. Cephei s. p.	9	55 34.83	+ 5.44	+29.41	304 39 50.98	44.660	+ 5.16	−1 30.9	0 56 9.68	.....	+85 46 45.5	....
15	α Ursæ Minoris s. p.	9	25 54.00	+18.80	+29.42	307 41 51.28	47.067	+ 5.16	−1 21.4	1 26 42.22	.....	+88 49 50.2	....
16	ε Cassiopeiæ s. p.	9	47 22.76	+ 1.32	+29.42	282 7 49.38	50.825	+ 5.16	−4 45.4	1 47 53.50	.....	+63 13 50.2	....
17	50 Cassiopeiæ s. p.	9	55 11.55	+ 1.72	+29.42	290 53 50.58	44.393	+ 5.16	−2 44.0	1 55 42.69	.....	+71 59 25.8	....
18	α Draconis	9	1 27.43	− 0.22	+29.42	334 3 52.32	45.090	+ 5.16	− 30.7	14 1 56.63	.....	+64 48 2.6	....
	January 11, P.												
19	Sun I	7	27 35.31	+ 0.70	+29.45	60 42	......	....	. ....	19 28 5.46	+70.46	.. ..	....
20	Sun II	9	29 56.22	+ 0.70	+29.45	... .	......	....	. ....	19 30 26.37	−70.45	.. ..	....
	January 12, L.												
21	Sun I, S	9	31 55.57	+ 0.68	+29.61	60 47 56.35	46.752	+ 5.38	+1 47.7	19 32 25.86	+70.36	−21 58 57.5	....
22	Sun II, N	9	34 16.29	+ 0.68	+29.61	60 15 54.82	45.495	+ 5.38	+1 45.4	19 34 46.58	−70.36	−21 26 24.9	....
	January 14, L.												
23	δ Crateris	9	14 19.66	+ 0.54	**+30.19**	53 7 54.18	43.776	+ 5.38	+1 22.0	11 14 50.37	.....	−14 17 21.6	....
24	39 H. Cephei s. p.	7	26 53.06	+ 5.84	+30.17	305 41 52.62	44.637	+ 5.38	−1 25.2	23 27 29.07	.....	+86 48 52.5	....
25	γ Cephei s. p.	9	35 2.08	+ 1.80	+30.17	296 1 53.78	44.017	+ 5.38	−2 5.0	23 35 34.05	.....	+77 7 59.7	....
26	γ Corvi	9	10 39.47	+ 0.56	**+30.17**	55 51 54.85	46.130	+ 5.38	+1 30.7	12 11 10.20	.....	−17 2 24.9	....
27	6 B. Ursæ Minoris	5	14 26.76	− 8.95	+30.17	310 39 49.45	47.968	+ 5.38	−1 11.3	12 14 47.98	.....	+88 11 40.5	....
28	κ Draconis	9	29 10.14	− 0.33	+30.18	328 33 50.35	48.758	+ 5.38	− 37.5	12 29 39.99	.....	+70 16 47.8	....
29	43 Comæ Berenices	9	7 9.56	+ 0.34	**+30.17**	10 29 53.18	48.835	+ 5.38	+ 11.5	13 7 40.08	.....	+28 19 54.2	....
30	γ Hydræ	9	13 30.05	+ 0.61	+30.18	61 **31** 55.55	43.204	+ 5.38	+1 52.9	13 14 0.84	.....	−22 41 40.7	....
31	α Virginis	9	19 55.49	+ 0.55	**+30.23**	49 31 55.48	44.380	+ 5.38	+1 11.9	13 20 26.22	.....	−10 41 26.6	....
32	α Ursæ Minoris s. p.	5	25 50.94	+15.12	+30.19	307 41 53.30	46.885	+ 5.38	−1 19.0	1 26 36.25	.....	+88 49 50.7	....
33	m Virginis	9	36 21.63	+ 0.54	**+30.18**	47 5 55.50	43.200	+ 5.38	+1 6.0	13 36 52.36	.....	− 8 14 53.8	....
34	89 Virginis	9	44 27.03	+ 0.59	**+30.14**	56 31 54.52	42.525	+ 5.38	+1 32.6	13 44 57.81	.....	−17 41 3.9	....
	January 15, L.												
35	Sun I, N	9	44 52.33	+ 0.58	+30.27	59 43 54.42	48.557	+ 6.03	+1 43.6	19 45 23.18	+70.17	−20 55 33.3	....
36	Sun II, S	9	47 12.67	+ 0.58	+30.27	60 15 56.45	49.828	+ 6.03	+1 45.9	19 47 43.52	−70.17	−21 28 6.7	....
37	Mercury I, C	9	57 10.29	+ 0.57	+30.28	55 25 57.35	45.708	+ 3.27	+1 27.5	20 57 41.14	+ 0.28	−16 36 12.3	....
38	Venus I, S	9	4 9.05	+ 0.54	+30.29	47 55 57.70	48.638	+ 3.28	+1 6.8	22 4 39.88	+ 1.59	− 9 6 58.9	....
39	Moon I, S	9	34 25.46	+ 0.55	+30.30	47 47 57.95	47.765	+ 3.28	+1 6.5	23 34 56.31	+67.58	− 8 58 38.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 5 50	......	....	21.2
6 19	30.390	20.0	20.8
6 58	......	....	19.8
7 22	30.384	18.9	19.7
12 8	30.372	16.2	17.0
12 34	......	....	17.2
13 0	30.380	16.7	17.0
13 30	......	....	17.0
13 45	......	....	16.7
14 4	30.377	16.2	15.9
12 19 34	30.250	35.6	37.2
14 11 15	29.956	25.1	23.1
11 36	......	....	23.0
12 15	......	....	22.7
12 30	29.970	24.8	22.3
13 8	......	....	23.8
13 11	......	....	24.0
13 37	......	....	24.8
13 47	29.976	25.2	24.9
15 19 47	30.070	32.8	32.6
20 57	30.066	34.0	33.9
22 4	30.072	34.9	34.8
23 37	30.090	35.1	34.9

Micrometer bisections are made at II, VI, except as noted below.

9, 26.	Bisections at I, II.
10, 13, 18, 23, 30, 34, 37, 38.	Bisections at I, II, VI, VII.
12, 14, 15, 24, 25, 27, 28, 32.	Bisections at b_4, b_5, b_6.
16, 17.	Bisections at III, IV, V.
21, 35.	Bisections at I, II, III.
22, 36.	Bisections at V, VI, VII.
39.	Bisections at II, III, IV, V, VI.

Notes.

23-34. Conditions poor.
21, 29. Diffuse.
29. Micrometer reading increased 5 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	0.0	.. ....	...	0.0
21	+ 7.8	+16 16.3	...	+16 24.1
22	+ 7.8	−16 16.3	...	−16 8.5
35	+ 7.7	−16 16.7	...	−16 9.0
36	+ 7.7	+16 16.7	...	+16 24.4
37	+ 8.6	.. ....	+0.6	+ 9.2
38	+ 18.0	+ 23.6	...	+ 41.6
39	+43 40.0	+16 7.9	...	+59 47.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris	9	26 22.11	−14.51	+30.35	310 1 55.65	47.443	+ 3.24	−1 11.8	1 26 37.95	.....	+88 49 48.9	....
2	τ Ceti	9	39 21.72	+ 0.59	**+30.30**	55 13 56.78	47.475	+ 3.24	+1 27.4	1 39 52.66	.....	−16 24 52.0	....
3	ε Cassiopeiæ	9	47 23.02	− 0.09	+30.35	335 37 56.10	45.372	+ 3.24	− 27.4	1 47 53.28	.....	+63 13 51.5	....
4	50 Cassiopeiæ	9	55 12.36	− 0.42	+30.35	326 51 55.08	47.072	+ 3.24	− 39.5	1 55 42.29	.....	+71 59 25.8	....
5	α Draconis s. p.	9	1 25.25	+ 1.18	+30.35	283 43 54.58	44.201	+ 3.24	−4 3.1	14 1 56.78	.....	+64 48 4.3	....
6	B. D.+56°498	9	11 32.99	+ 0.06	+30.35	342 15 56.22	45.085	+ 3.24	− 19.4	2 12 3.40	+ 0.92	+56 35 49.4	−12.6
7	B. D.+56°543	9	13 3.80	+ 0.05	+30.35	341 57 57.52	43.500	+ 3.24	− 19.7	2 13 34.20	+ 0.91	+56 54 24.9	−12.7
8	δ Ceti	9	34 20.82	+ 0.51	**+30.40**	38 53 55.90	45.950	+ 3.24	+ 49.2	2 34 51.69	.....	− 0 3 38.1	....
9	π Ceti	9	39 19.20	+ 0.58	+30.36	53 3 55.82	46.855	+ 3.24	+1 21.1	2 39 50.14	.....	−14 14 30.5	....
10	τ^2 Eridani	9	46 26.26	+ 0.61	+30.36	60 11 57.02	46.078	+ 3.24	+1 46.3	2 46 57.23	.....	−21 22 39.1	....
11	ε Arietis (*mean*)	9	53 32.55	+ 0.39	**+30.43**	17 51 56.70	45.832	+ 3.24	+ 19.7	2 54 3.30	.....	+20 58 53.2	....
12	ζ Arietis	9	9 12.43	+ 0.40	**+30.39**	18 7 56.50	46.248	+ 3.24	+ 20.0	3 9 43.19	.....	+20 42 43.6	....
13	o Tauri	9	19 27.08	+ 0.46	**+30.37**	30 7 57.15	45.492	+ 3.24	+ 35.4	3 19 57.90	.....	+ 8 42 44.9	....
14	ε Eridani	9	28 10.42	+ 0.55	**+30.39**	48 35 57.72	45.583	+ 3.24	+1 9.1	3 28 41.34	.....	− 9 45 51.3	....
15	B. D.+23°505	9	38 56.11	+ 0.38	+30.37	14 49 55.90	47.020	+ 3.24	+ 16.2	3 39 26.86	+ 0.17	+24 0 30.2	− 4.0
16	B. D.+23°531	6	41 24.52	+ 0.38	+30.37	14 59 55.68	45.418	+ 3.24	+ 16.4	3 41 55.27	+ 0.16	+23 51 6.8	− 4.0
17	B. D.+23°536	5	41 28.98	+ 0.38	+30.37	14 59 55.68	47.330	+ 3.24	+ 16.4	3 41 59.73	+ 0.16	+23 50 23.5	− 4.0
18	γ Eridani	9	53 19.05	+ 0.57	**+30.35**	52 35 55.95	45.450	+ 3.24	+1 19.7	3 53 49.99	.....	−13 45 57.2	....
19	γ Orionis	9	19 47.72	+ 0.48	**+30.36**	32 33 56.28	46.908	+ 3.33	+ 39.2	5 20 18.58	.....	+ 6 16 9.5	....
20	δ Orionis	9	26 54.04	+ 0.51	**+30.35**	39 11 58.02	46.585	+ 3.33	+ 50.0	5 27 24.93	.....	− 0 21 55.6	....
21	ζ Orionis	9	35 42.56	+ 0.52	**+30.41**	40 49 56.25	45.095	+ 3.33	+ 53.0	5 36 13.46	.....	− 1 59 22.8	....
22	κ Orionis	9	42 58.91	+ 0.56	**+30.34**	48 31 58.35	46.125	+ 3.33	+1 9.4	5 43 29.85	.....	− 9 42 4.8	....
23	α Orionis	9	49 47.52	+ 0.47	**+30.43**	31 27 57.12	43.482	+ 3.33	+ 37.6	5 50 18.37	.....	+ 7 23 28.6	....
24	8 Monocerotis	9	18 29.59	+ 0.48	**+30.40**	34 11 57.48	46.180	+ 3.33	+ 41.8	6 19 0.45	.....	+ 4 38 22.4	....
25	ε Geminorum	9	37 53.58	+ 0.38	**+30.36**	13 37 56.12	44.930	+ 3.33	+ 15.0	6 38 24.35	.....	+25 13 19.0	....
26	ζ Geminorum	9	58 16.10	+ 0.40	**+30.42**	18 7 56.78	47.550	+ 3.33	+ 20.2	6 58 46.89	.....	+20 42 13.4	....
27	λ Geminorum	9	12 25.12	+ 0.42	**+30.38**	22 7 56.65	47.290	+ 3.33	+ 25.1	7 12 55.93	.....	+16 42 14.5	....
28	Neptune C, C	8	16 1.15	+ 0.40	+30.40	17 15 56.22	48.052	+ 3.33	+ 19.2	7 16 31.95	.....	+21 34 3.4	....
29	β Canis Minoris	9	21 46.03	+ 0.47	**+30.35**	30 21 56.60	46.635	+ 3.33	+ 36.2	7 22 16.89	.....	+ 8 28 18.5	....
30	κ Geminorum	8	38 30.84	+ 0.38	**+30.43**	14 13 56.70	45.955	+ 3.33	+ 15.7	7 39 1.61	.....	+24 36 54.4	....
	January 16, P.												
31	Moon I, S	9	27 27.13	+ 0.50	+30.64	41 27 56.22	45.255	+ 3.10	+ 52.9	0 27 58.27	+67.02	− 2 37 26.0	....
32	α Ursæ Minoris	9	26 22.06	−14.92	+30.65	310 1 51.05	47.573	+ 3.10	−1 11.1	1 26 37.79	.....	+88 49 49.9	....
33	ε Cassiopeiæ	9	47 22.76	− 0.12	+30.65	335 37 52.50	45.528	+ 3.10	− 27.1	1 47 53.29	.....	+63 13 50.9	....
34	50 Cassiopeiæ	9	55 12.18	− 0.47	+30.66	326 51 52.42	47.158	+ 3.10	− 39.1	1 55 42.37	.....	+71 59 25.5	....
35	α Draconis s. p.	9	1 24.98	+ 1.18	+30.66	283 43 49.50	44.262	+ 3.10	−4 0.6	14 1 56.82	.....	+64 48 3.2	....
36	B. D.+56°498	9	11 32.70	+ 0.02	+30.66	342 15 52.55	45.258	+ 3.10	− 19.2	2 12 3.38	+ 0.95	+56 35 49.4	−12.6
37	B. D.+56°543	9	13 3.54	+ 0.02	+30.66	341 57 53.82	43.680	+ 3.10	− 19.5	2 13 34.22	+ 0.94	+56 54 24.5	−12.7
38	δ Ceti	9	34 20.62	+ 0.48	**+30.62**	38 53 54.90	46.032	+ 3.10	+ 48.7	2 34 51.76	.....	− 0 3 38.5	....
39	γ Ceti	9	38 6.69	+ 0.47	**+30.60**	35 59 55.55	43.630	+ 3.10	+ 43.8	2 38 37.82	.....	+ 2 51 20.8	....
40	ζ Arietis	9	9 12.18	+ 0.37	**+30.66**	18 7 54.32	46.362	+ 3.10	+ 19.8	3 9 43.22	.....	+20 42 43.5	....
41	o Tauri	9	19 26.80	+ 0.44	**+30.66**	30 7 55.35	45.615	+ 3.10	+ 35.1	3 19 57.91	.....	+ 8 42 44.3	....
42	ξ Tauri	9	21 46.04	+ 0.43	**+30.75**	29 25 54.55	44.595	+ 3.10	+ 34.1	3 22 17.14	.....	+ 9 25 9.5	....
43	17 Tauri	9	39 0.50	+ 0.35	+30.67	14 59 53.62	48.595	+ 3.10	+ 16.3	3 39 31.52	+ 0.18	+23 49 56.7	− 4.0
44	η Tauri	9	41 36.77	+ 0.35	**+30.66**	14 59 53.68	49.128	+ 3.10	+ 16.3	3 42 7.79	.....	+23 49 44.5	....
45	o^2 Eridani	9	10 36.73	+ 0.52	**+30.70**	46 37 55.02	45.358	+ 3.10	+1 4.0	4 11 7.93	.....	− 7 47 38.3	....
46	ν Eridani	9	31 18.29	+ 0.50	**+30.70**	42 21 53.18	47.258	+ 3.10	+ 55.2	4 31 49.47	.....	− 3 32 11.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 1 27	30.110	32.7	32.1
1 48	....	....	31.7
2 3	....	....	31.0
2 14	....	....	30.8
2 35	30.134	31.0	30.3
2 47	....	....	30.1
3 20	....	....	30.6
3 31	....	....	30.2
3 54	30.140	30.7	29.9
5 21	30.164	29.1	28.3
5 51	....	....	27.6
6 19	30.164	27.9	27.2
6 39	....	....	26.4
6 57	....	....	25.9
7 22	....	....	25.0
7 39	30.160	26.0	25.0
16 0 25	30.131	37.8	38.9
1 17	30.121	36.0	37.0
1 44	....	....	36.1
2 7	30.119	34.2	35.9
2 32	....	....	35.0
3 7	30.105	33.6	34.0
3 44	[illegible]	32.2	33.5
4 8	....	....	33.0
4 33	30.084	32.0	32.8

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 4, 32, 35.	Bisections at b_4, b_5, b_6.
5.	Bisections at II, III, V, VI.
6, 15, 16, 38.	Bisections at I, II.
7, 14, 23, 26, 28, 30, 42.	Bisections at II, VI, VII.
9, 10, 18, 24, 33, 34.	Bisections at I, II, VI, VII.
17, 37.	Bisections at VI, VII.
31.	Bisections at II, III, IV, V, VI.
43, 44.	Bisections at II, VII.

Notes.

23.	Diffuse and unsteady.
23, 27, 30.	Faint.
24.	Conditions poor.
26.	Image poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
28	0.0	.. ....	...	0.0
31	+39 4.2	+16 9.6	...	+55 13.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Orionis	9	19 47.42	+ 0.47	**+30.67**	32 33 54.50	47.042	+ 3.10	+ 38.8	5 20 18.58	.....	+ 6 16 8.9	....
2	δ Orionis	9	26 53.73	+ 0.50	**+30.67**	39 11 55.08	46.762	+ 3.10	+ 49.6	5 27 24.92	.....	− 0 21 56.1	....
3	ζ Orionis	9	35 42.30	+ 0.51	**+30.68**	40 49 53.65	45.242	+ 3.10	+ 52.5	5 36 13.50	.....	− 1 59 22.8	....
4	κ Orionis	9	42 58.54	+ 0.55	**+30.72**	48 31 55.50	46.335	+ 3.10	+1 8.7	5 43 29.78	.....	− 9 42 5.8	....
5	α Orionis	9	49 47.24	+ 0.46	**+30.71**	31 27 53.20	43.705	+ 3.10	+ 37.2	5 50 18.39	.....	+ 7 23 28.0	....
6	η Geminorum	9	8 56.10	+ 0.38	**+30.76**	16 17 53.45	48.200	+ 3.10	+ 17.9	6 9 27.18	.....	+22 32 4.3	....
7	8 Monocerotis	9	18 29.31	+ 0.48	**+30.69**	34 11 54.40	46.370	+ 3.10	+ 41.4	6 19 0.49	.....	+ 4 38 21.7	....
8	ε Geminorum	9	37 53.28	+ 0.36	**+30.69**	13 37 53.70	45.052	+ 3.10	+ 14.8	6 38 24.34	.....	+25 13 19.1	....
9	ζ Geminorum	9	58 15.88	+ 0.39	**+30.66**	18 7 54.65	47.648	+ 3.10	+ 20.0	6 58 46.97	.....	+20 42 13.6	....
10	Neptune C, C	9	15 53.79	+ 0.38	+30.71	17 15 53.10	47.609	+ 3.10	+ 19.0	7 16 24.88	.....	+21 34 17.0	....
11	ι Geminorum	9	19 37.96	+ 0.34	**+30.71**	10 51 50.62	46.930	+ 3.10	+ 11.8	7 20 9.01	.....	+27 58 42.0	....
12	β Canis Minoris	9	21 45.69	+ 0.46	**+30.71**	30 21 53.52	46.815	+ 3.10	+ 35.7	7 22 16.86	.....	+ 8 28 18.2	....
	January 18, L.												
13	43 H. Cephei S. P.	9	55 30.89	+ 4.61	+31.09	304 39 52.50	44.427	+ 3.15	−1 25.4	0 56 6.59	.....	+85 46 45.1	....
14	α Virginis	9	19 54.88	+ 0.45	**+31.07**	49 31 55.38	44.628	+ 3.22	+1 9.6	13 20 26.43	.....	−10 41 27.7	....
15	α Ursæ Minoris S. P.	7	25 44.37	+15.46	+31.10	307 41 53.75	46.862	+ 3.25	−1 16.5	1 26 30.93	.....	+88 49 51.0	....
16	*m* Virginis	9	36 20.93	+ 0.44	**+31.11**	47 5 54.72	43.495	+ 3.29	+1 3.9	13 36 52.47	.....	− 8 14 55.5	....
17	89 Virginis	9	44 26.31	+ 0.48	**+31.11**	56 31 52.90	42.852	+ 3.32	+1 29.8	13 44 57.89	.....	−17 41 5.1	....
18	ε Cassiopeiæ S. P.	9	47 20.99	+ 1.08	+31.10	282 9 51.82	44.851	+ 3.33	−4 27.9	1 47 53.17	.....	+63 13 51.7	....
19	50 Cassiopeiæ S. P.	9	55 9.28	+ 1.41	+31.10	290 53 53.55	43.906	+ 3.36	−2 34.1	1 55 41.79	.....	+71 59 25.5	....
20	α Draconis	9	1 26.07	− 0.20	+31.10	334 3 54.18	45.016	+ 3.38	− 28.9	14 1 56.97	.....	+64 48 2.4	....
21	κ Virginis	9	7 33.03	+ 0.45	**+31.20**	48 41 55.10	44.230	+ 3.40	+1 7.9	14 8 4.58	.....	− 9 51 16.7	....
22	ι Virginis	9	10 45.16	+ 0.43	**+31.12**	44 23 54.50	47.320	+ 3.42	+ 58.5	14 11 16.69	.....	− 5 34 17.5	....
23	α Libræ	9	45 21.16	+ 0.48	**+31.01**	54 29 53.05	45.675	+ 3.54	+1 23.8	14 45 52.75	.....	−15 40 3.8	....
24	β Ursæ Minoris	9	50 26.19	− 0.65	+31.11	324 19 55.05	48.058	+ 3.56	− 42.8	14 50 56.65	.....	+74 31 6.3	....
	January 19, L.												
25	α Ursæ Minoris	7	26 16.79	−14.40	+31.24	310 1 54.98	47.392	+ 3.29	−1 10.2	1 26 33.63	.....	+88 49 49.0	....
26	ε Cassiopeiæ	9	47 21.99	− 0.12	+31.25	335 37 54.62	45.427	+ 3.30	− 26.8	1 47 53.12	.....	+63 13 51.0	....
27	50 Cassiopeiæ	9	55 11.42	− 0.45	+31.25	326 51 55.02	47.040	+ 3.32	− 38.6	1 55 42.22	.....	+71 59 25.6	....
28	α Draconis S. P.	7	1 24.52	+ 1.15	+31.25	283 43 52.02	44.002	+ 3.33	−3 57.4	14 1 56.92	.....	+64 48 3.0	....
29	B. D.+56°498	9	11 31.98	+ 0.02	+31.25	342 15 55.42	45.108	+ 3.36	− 18.9	2 12 3.25	+ 1.04	+56 35 49.4	−12.5
30	B. D.+56°543	9	13 2.90	+ 0.01	+31.25	341 57 55.68	43.572	+ 3.36	− 19.3	2 13 34.16	+ 1.03	+56 54 24.7	−12.6
31	δ Ceti	9	34 20.00	+ 0.44	**+31.24**	38 53 54.00	46.102	+ 3.42	+ 48.1	2 34 51.69	.....	− 0 3 38.7	....
32	γ Ceti	9	38 6.04	+ 0.43	**+31.25**	35 59 56.10	43.602	+ 3.42	+ 43.3	2 38 37.73	.....	+ 2 51 20.9	....
33	μ Ceti	9	39 32.38	+ 0.40	**+31.24**	29 5 54.35	47.538	+ 3.43	+ 33.2	2 40 4.04	.....	+ 9 44 2.9	....
34	σ Arietis	9	45 59.26	+ 0.37	**+31.19**	24 7 55.48	46.030	+ 3.43	+ 26.7	2 46 30.89	.....	+14 42 42.8	....
35	β Ursæ Minoris S. P.	9	50 23.88	+ 1.60	+31.26	293 25 52.80	42.259	+ 3.45	−2 16.3	2 50 56.74	.....	+74 31 5.0	....
36	ε Arietis (*mean*)	9	53 31.74	+ 0.34	**+31.24**	17 51 54.58	45.892	+ 3.46	+ 19.3	2 54 3.34	.....	+20 58 54.2	....
37	Moon I, S	9	9 16.96	+ 0.38	+31.26	23 11 54.38	46.302	+ 3.50	+ 25.6	3 9 48.60	+69.76	+15 38 38.8	....
38	ξ Tauri	9	21 45.46	+ 0.40	**+31.33**	29 25 54.78	44.570	+ 3.53	+ 33.7	3 22 17.12	.....	+ 9 25 9.6	....
39	B. D.+23°505	9	38 55.29	+ 0.32	+31.26	14 49 53.20	47.120	+ 3.57	+ 15.9	3 39 26.87	+ 0.21	+24 0 30.6	− 4.0
40	B. D.+23°531	5	41 23.60	+ 0.32	+31.27	14 59 53.60	45.538	+ 3.58	+ 16.1	3 41 55.19	+ 0.20	+23 51 6.1	− 3.9
41	B. D.+23°536	6	41 28.11	+ 0.32	+31.27	14 59 53.60	47.442	+ 3.58	+ 16.1	3 41 59.70	+ 0.20	+23 50 23.0	− 3.9
42	γ Orionis	9	19 46.89	+ 0.41	**+31.24**	32 33 53.30	47.088	+ 3.81	+ 38.4	5 20 18.58	.....	+ 6 16 8.7	....
43	δ Orionis	9	26 53.21	+ 0.44	**+31.24**	39 11 55.02	46.745	+ 3.83	+ 49.0	5 27 24.93	.....	− 0 21 55.8	....
44	ζ Orionis	9	35 41.78	+ 0.45	**+31.25**	40 49 53.75	45.245	+ 3.85	+ 51.9	5 36 13.51	.....	− 1 59 23.1	....
45	κ Orionis	9	42 58.11	+ 0.48	**+31.21**	48 31 54.32	46.410	+ 3.86	+1 8.0	5 43 29.87	.....	− 9 42 6.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 5 18	30.086	31.2	31.2
5 40	......	....	31.1
5 58	......	....	30.4
6 15	30.073	30.2	30.0
6 40	......	....	29.3
7 1	......	....	29.0
7 24	30.050	29.1	28.9
18 12 58	29.682	35.2	34.9
13 27	......	....	34.9
13 48	......	....	34.9
13 59	29.700	34.0	33.8
14 13	......	....	33.0
14 51	29.722	33.1	32.0
19 1 27	29.912	39.9	40.0
1 59	......	....	39.0
2 15	......	....	38.8
2 32	29.916	38.0	37.9
2 56	......	....	37.4
3 10	......	....	37.7
3 35	......	....	36.3
3 43	......	....	36.1
5 21	29.926	35.0	33.7
5 38	......	....	33.7

Micrometer bisections are made at II, VI, except as noted below.

10, 20, 23.	Bisections at I, II, VI, VII.
11, 17, 32, 38–40.	Bisections at I, II.
12.	Bisections at II, VII.
13, 15, 24, 25, 27.	Bisections at b_4, b_5, b_6.
14, 21.	Bisections at II, VI, VII.
18, 19, 28, 35.	Bisections at II, III, V, VI.
26.	Bisections at III, IV, V.
30.	Bisections at III, VI, VII.
37.	Bisections at II, III, IV, V, VI.
41.	Bisections at VI, VII.

Note.

14.20. Very faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	0.0	.. ....	...	0.0
37	+23 6.4	+16 6.3	...	+39 12.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Orionis.	9	49 46.73	+ 0.40	**+31.28**	31 27 53.68	43.668	+ 3.88	+ 36.8	5 50 18.42	. . . . .	+ 7 23 28.0	. . . .
2	η Geminorum.	9	8 55.58	+ 0.33	**+31.33**	16 17 53.80	48.155	+ 3.92	+ 17.7	6 9 27.20	. . . . .	+22 32 4.4	. . . .
3	8 Monocerotis.	9	18 28.74	+ 0.42	**+31.32**	34 11 54.85	46.345	+ 3.95	+ 40.9	6 19 0.45	. . . . .	+ 4 38 21.5	. . . .
4	ε Geminorum.	9	37 52.73	+ 0.31	**+31.30**	13 37 53.02	45.060	+ 3 99	+ 14.6	6 38 24.33	. . . . .	+25 13 18.9	. . . .
5	ζ Geminorum.	9	58 15.26	+ 0.34	**+31.35**	18 7 53.88	47.665	+ 4.04	+ 19.8	6 58 46.90	. . . . .	+20 42 13.3	. . . .
6	λ Geminorum.	9	12 24.27	+ 0.36	**+31.32**	22 7 53.95	47.428	+ 4.07	+ 24.6	7 12 55.93	. . . . .	+16 42 13.8	. . . .
7	Neptune C, C.	9	15 31.97	+ 0.33	+31.30	17 15 53.75	45.744	+ 4.07	+ 18.8	7 16 3.60	. . . . .	+21 34 58.2	. . . .
8	ι Geminorum.	9	19 37.41	+ 0.29	**+31.33**	10 51 52.45	46.830	+ 4.09	+ 11.6	7 20 9.00	. . . . .	+27 58 41.9	. . . .
9	κ Geminorum.	9	38 30.01	+ 0.31	**+31.37**	14 13 53.20	46.100	+ 4.11	+ 15.3	7 39 1.62	. . . . .	+24 36 54.2	. . . .
	January 19, M.												
10	α Ursæ Minoris s. p.	9	25 45.22	+17.06	+31.46	307 41 55.58	46.743	+ 4.04	−1 18.0	1 26 33.74	. . . . .	+88 49 49.3	. . . .
11	ε Cassiopeiæ s. p.	9	47 20.51	+ 1.19	+31.47	282 9 52.32	44.921	+ 4.04	−4 33.2	1 47 53.17	. . . . .	+63 13 48.9	. . . .
12	50 Cassiopeiæ s. p.	9	55 9.11	+ 1.56	+31.47	290 53 53.75	43.977	+ 4.04	−2 37.0	1 55 42.14	. . . . .	+71 59 25.5	. . . .
13	α Draconis.	9	1 25.95	− 0.22	+31.47	334 3 52.75	45.045	+ 4.04	− 29.4	14 1 57.20	. . . . .	+64 48 3.5	. . . .
14	β Ursæ Minoris.	9	50 26.22	− 0.72	+31.48	324 19 54.05	48.087	+ 4.04	− 43.4	14 50 56.98	. . . . .	+74 31 6.7	. . . .
15	57 B. Ursæ Minoris.	9	5 32.44	− 7.48	+31.48	311 17 53.38	45.603	+ 4.04	−1 8.8	15 5 56.44	. . . . .	+87 34 29.5	. . . .
	January 20, M.												
16	α Ursæ Minoris.	8	26 15.28	−14.08	+31.50	310 1 56.38	47.208	+ 3.72	−1 9.1	1 26 32.70	. . . . .	+88 49 50.3	. . . .
17	ε Cassiopeiæ.	9	47 21.74	− 0.12	+31.50	335 37 55.70	45.312	+ 3.72	− 26.4	1 47 53.12	. . . . .	+63 13 51.8	. . . .
18	50 Cassiopeiæ.	9	55 10.92	− 0.44	+31.50	326 51 54.55	46.973	+ 3.72	− 38.0	1 55 41.98	. . . . .	+71 59 26.6	. . . .
19	α Draconis s. p.	9	1 24.49	+ 1.10	+31.50	283 43 54.85	43.644	+ 3.72	−3 53.8	14 1 57.09	. . . . .	+64 48 1.3	. . . .
20	B. D.+56°498.	9	11 31.68	+ 0.02	+31.51	342 15 57.05	44.972	+ 3.72	− 18.6	2 12 3.21	+ 1.06	+56 35 49.9	−12.5
21	B. D.+56°543.	9	13 2.59	+ 0.01	+31.51	341 57 56.08	43.483	+ 3.72	− 19.0	2 13 34.11	+ 1.05	+56 54 25.8	−12.6
22	μ Ceti.	8	39 32.15	+ 0.38	**+31.48**	29 5 56.92	47.530	+ 3.72	+ 32.7	2 40 4.04	. . . . .	+ 9 44 0.7	. . . .
23	41 Arietis.	9	44 8.64	+ 0.29	**+31.50**	11 57 54.90	44.740	+ 3.72	+ 12.5	2 44 40.44	. . . . .	+26 53 26.7	. . . .
24	β Ursæ Minoris s. p.	9	50 23.71	+ 1.49	+31.51	293 23 54.10	47.317	+ 3.72	−2 13.9	14 50 56.71	. . . . .	+74 31 4.4	. . . .
25	ε Arietis (*mean*).	9	53 31.48	+ 0.32	**+31.51**	17 51 56.08	45.925	+ 3.72	+ 18.9	2 54 3.31	. . . . .	+20 58 52.0	. . . .
26	57 B. Ursæ Minoris s. p. . .	9	5 18.28	+ 7.05	+31.51	306 27 54.98	43.250	+ 3.72	−1 18.8	15 5 56.84	. . . . .	+87 34 27.9	. . . .
27	f Tauri.	9	25 22 05	+ 0.36	**+31.50**	26 13 57.12	43.280	+ 3.72	+ 28.9	3 25 53.93	. . . . .	+12 37 41.5	. . . .
28	17 Tauri.	9	38 59.65	+ 0.31	+31.52	14 59 54.25	48.650	+ 3.72	+ 15.8	3 39 31.48	+ 0.22	+23 49 54.7	− 3.8
29	η Tauri.	9	41 35.86	+ 0.31	**+31.57**	14 59 54.38	49.205	+ 3.72	+ 15.8	3 42 7.69	. . . . .	+23 49 42.0	. . . .
30	A Tauri.	9	58 50.41	+ 0.32	**+31.53**	16 59 55.30	47.642	+ 3.72	+ 18.0	3 59 22.25	. . . . .	+21 50 14.5	. . . .
31	Moon I, S.	9	7 34.00	+ 0.33	+31.52	18 33 56.10	48.512	+ 3.72	+ 19.8	4 8 5.85	+71.52	+20 15 52.1	. . . .
	January 22, M.												
32	Moon I, N.	9	11 24.50	+ 0.26	+32.08	13 3 53.92	47.580	+ 5.44	+ 13.9	6 11 56.84	+73.47	+25 46 19.8	. . . .
33	μ Geminorum.	9	16 59.11	+ 0.27	**+32.12**	16 17 54.50	43.905	+ 5.44	+ 17.4	6 17 31.46	. . . . .	+22 33 39.6	. . . .
34	ν Geminorum.	9	23 5.40	+ 0.28	**+32.01**	18 33 55.22	47.548	+ 5.44	+ 20.0	6 23 37.76	. . . . .	+20 16 13.0	. . . .
35	ε Geminorum.	9	37 52.01	+ 0.25	**+32.08**	13 37 54.98	44.980	+ 5.44	+ 14.5	6 38 24.34	. . . . .	+25 13 17.4	. . . .
36	ζ Geminorum.	9	58 14.61	+ 0.28	**+32.07**	18 7 55.08	47.615	+ 5.44	+ 19.6	6 58 46.98	. . . . .	+20 42 12.0	. . . .
37	λ Geminorum.	9	12 23.57	+ 0.30	**+32.10**	22 7 55.48	47.342	+ 5.44	+ 24.3	7 12 55.96	. . . . .	+16 42 13.2	. . . .
38	ι Geminorum.	9	19 36.69	+ 0.23	**+32.13**	10 51 54.38	46.732	+ 5.44	+ 11.5	7 20 9.01	. . . . .	+27 58 41.0	. . . .
	January 23, P.												
39	γ Orionis.	9	19 45.85	+ 0.38	**+32.29**	32 33 54.60	47.018	+ 4.63	+ 38.2	5 20 18.51	. . . . .	+ 6 16 8.4	. . . .
40	δ Orionis.	9	26 52.21	+ 0.41	**+32.26**	39 11 57.18	46.670	+ 4.63	+ 48.7	5 27 24.90	. . . . .	− 0 21 56.7	. . . .
41	ζ Orionis.	9	35 40.73	+ 0.42	**+32.32**	40 49 52.35	45.325	+ 4.63	+ 51.6	5 36 13.43	. . . . .	− 1 59 24.0	. . . .
42	κ Orionis.	9	42 57.06	+ 0.45	**+32.28**	48 31 54.12	46.458	+ 4.63	+1 7.6	5 43 29.79	. . . . .	− 9 42 7.7	. . . .
43	α Orionis.	9	49 45.81	+ 0.38	**+32.21**	31 27 54.55	43.640	+ 4.63	+ 36.6	5 50 18.47	. . . . .	+ 7 23 27.2	. . . .

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 6 19	29.942	31.2	33.1
6 39	. . . . . .	. . . .	32.1
6 57	. . . . . .	. . . .	33.0
7 21	. . . . . .	. . . .	33.0
7 39	29.954	31.2	33.0
13 26	29.976	30.9	30 4
13 47	. . . . . .	. . . .	30.2
14 1	29 988	31.3	29.9
15 6	29 984	30.7	29.3
20 1 26	29 860	47.2	46.2
2 1	29 852	45.5	45.2
2 39	29.856	45.7	44.3
3 5	. . . . . .	. . . .	44.8
3 25	. . . . . .	. . . .	45.1
4 8	29.850	45.3	44.4
22 6 11	29.448	31.8	30.8
6 38	. . . . . .	. . . .	30.7
6 58	. . . . . .	. . . .	30.3
7 19	29.480	31.5	30.0
22 5 18	29.766	35.2	34.1
5 40	. . . . . .	. . . .	33 8
6 0	. . . . . .	. . . .	33.5

Micrometer bisections are made at II, VI, except as noted below.

7, 11, 19.	Bisections at I, II, VI, VII.
10, 12–17, 26.	Bisections at b_4, b_5, b_6.
18.	Bisections at II, IV, VI.
20.	Bisections at I, II.
21.	Bisections at III, IV, V.
22.	Bisections at I, VI.
24.	Bisections at I, II, III.
29.	Bisections at VI, VII.
31.	Bisections at II, III, IV, V, VI.
32.	Bisections at II, III, IV, VI.

Notes.

11, 12.	Haze.
14.	Faint.
16, 24, 26.	Unsteady.
27, 29, 34, 42. 43.	Clouds.
33-38.	Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	0.0	. . . . . .	. . .	0.0
31	+18 35.6	+16 2.6	. . .	+34 38.2
32	+13 0.4	−15 51.1	. . .	− 2 50.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Geminorum	9	8 54.64	+ 0.29	**+32.31**	16 17 55.62	48.045	+ 4.63	+ 17.5	6 9 27.22	.....	+22 32 4.6	....
2	8 Monocerotis	9	18 27.81	+ 0.39	**+32.27**	34 11 54.10	46.390	+ 4.63	+ 40.6	6 19 0.49	.....	+ 4 38 20.9	....
3	ν Geminorum	9	23 5.08	+ 0.31	**+32.30**	18 33 54.98	47.545	+ 4.63	+ 20.1	6 23 37.68	.....	+20 16 14.0	....
4	ε Geminorum	9	37 51.76	+ 0.28	**+32.31**	13 37 54.28	45.002	+ 4.63	+ 14.5	6 38 24.33	.....	+25 13 18.4	....
5	ζ Geminorum	9	58 14.33	+ 0.30	**+32.33**	18 7 54.52	47.650	+ 4.63	+ 19.6	6 58 46.93	.....	+20 42 12.6	....
6	Moon I, N	9	14 14.12	+ 0.29	+32.30	13 7 53.52	45.009	+ 4.63	+ 14.0	7 14 46.71	+72.78	+25 43 19.6	....
7	ι Geminorum	9	19 36.51	+ 0.26	**+32.29**	10 51 54.42	46.725	+ 4.63	+ 11.5	7 20 9.07	.....	+27 58 41.9	....
	January 25, P.												
8	Sun I, N	9	27 14.78	+ 0.49	+32.68	57 35 56.90	47.765	+ 4.52	+1 34.1	20 27 47.95	+69.09	−18 47 6.7	....
9	Sun II, S	9	29 32.96	+ 0.49	+32.68	58 7 57.70	49.005	+ 4.52	+1 36.1	20 30 6.13	−69.09	−19 19 37.9	....
10	Venus I, S	9	3 39.92	+ 0.44	+32.69	45 29 54.82	48.720	+ 3.96	+1 0.6	22 4 13.05	+ 1.84	− 6 40 52.4	....
11	τ Ceti	9	39 19.31	+ 0.47	**+32.69**	55 13 54.48	47.645	+ 3.76	+1 26.2	1 39 52.52	.....	−16 24 52.9	....
12	ε Cassiopeiæ	9	47 20.43	− 0.20	+32.75	335 37 54.75	45.411	+ 3.76	− 27.0	1 49 52.98	.....	+63 13 50.6	....
13	50 Cassiopeiæ	9	55 9.47	− 0.55	+32.75	326 51 53.55	47.075	+ 3.76	− 38.9	1 55 41.67	.....	+71 59 25.4	....
14	α Draconis s. p.	9	1 23.62	+ 1.17	+32.75	283 43 52.22	43.993	+ 3.76	−3 59.7	14 1 57.54	.....	+64 48 1.3	....
15	B. D.+56°498	9	11 30.42	− 0.05	+32.75	342 15 54.25	45.150	+ 3.76	− 19.1	2 12 3.12	+ 1.20	+56 35 49.4	−12.6
16	B. D.+56°543	9	13 1.28	− 0.06	+32.75	341 57 56.52	43.532	+ 3.76	− 19.4	2 13 33.97	+ 1.19	+56 54 24.4	−12.8
17	γ Ceti	9	38 4.51	+ 0.38	**+32.76**	35 59 57.00	43.525	+ 3.76	+ 43.7	2 38 37.64	.....	+ 2 51 21.0	....
18	μ Ceti	9	39 30.88	+ 0.35	**+32.72**	29 5 53.28	47.585	+ 3.76	+ 33.5	2 40 3.98	.....	+ 9 44 2.5	....
19	τ^2 Eridani	9	46 23.86	+ 0.49	+32.76	60 11 54.88	46.270	+ 3.76	+1 44.8	2 46 57.11	.....	−21 22 40.4	....
20	β Ursæ Minoris s. p.	9	50 23.06	+ 1.64	+32.76	293 23 52.18	47.537	+ 3.76	−2 17.5	14 50 57.46	.....	+74 31 4.4	....
21	57 B. Ursæ Minoris s. p.	9	5 17.94	+ 8.16	+32.76	306 27 54.85	43.370	+ 3.76	−1 21.0	15 5 58.86	.....	+87 34 28.3	....
22	ζ Eridani	9	10 54.24	+ 0.44	+32.76	47 59 56.28	44.395	+ 3.76	+1 6.8	3 11 27.44	+ 0.24	− 9 9 21.0	+ 7.6
23	ξ Tauri	9	21 44.00	+ 0.35	**+32.77**	29 25 55.30	44.575	+ 3.76	+ 34.0	3 22 17.11	.....	+ 9 25 8.6	....
24	ε Eridani	9	28 8.06	+ 0.44	**+32.75**	48 35 55.55	45.748	+ 3.76	+1 8.3	3 28 41.26	.....	− 9 45 52.7	....
25	δ Eridani	9	38 22.93	+ 0.44	**+32.76**	48 53 54.08	46.582	+ 3.76	+1 9.0	3 38 56.13	.....	−10 4 11.0	....
26	γ Eridani	9	53 16.66	+ 0.46	**+32.74**	52 35 53.25	45.640	+ 3.76	+1 18.8	3 53 49.89	.....	−13 45 58.4	....
27	λ. Tauri	8	55 8.26	+ 0.34	**+32.85**	26 35 54.90	47.250	+ 3.76	+ 30.2	3 55 41.37	.....	+12 14 11.8	....
28	γ Orionis	9	19 45.37	+ 0.37	**+32.77**	32 33 54.02	47.055	+ 4.00	+ 38.6	5 20 18.52	.....	+ 6 16 8.3	....
29	δ Orionis	9	26 51.72	+ 0.40	**+32.74**	39 11 55.20	46.760	+ 4.00	+ 49.3	5 27 24.90	.....	− 0 21 56.6	....
30	ζ Orionis	9	35 40.25	+ 0.41	**+32.79**	40 49 53.00	45.298	+ 4.00	+ 52.2	5 36 13.44	.....	− 1 59 24.0	....
31	κ Orionis	9	42 56.62	+ 0.44	**+32.71**	48 31 54.30	46.398	+ 4.00	+1 8.4	5 43 29.84	.....	− 9 42 6.7	....
32	α Orionis	9	49 45.26	+ 0.36	**+32.78**	31 27 54.15	43.635	+ 4.00	+ 37.0	5 50 18.41	.....	+ 7 23 28.0	....
33	8 Monocerotis	9	18 27.31	+ 0.38	**+32.78**	34 11 52.92	46.415	+ 4.00	+ 41.2	6 19 0.48	.....	+ 4 38 21.5	....
34	ζ Geminorum	9	58 13.81	+ 0.30	**+32.85**	18 7 51.52	47.742	+ 4.24	+ 19.9	6 58 46.91	.....	+20 42 13.6	....
35	Neptune C, C	9	14 49.04	+ 0.30	+32.80	17 13 52.22	47.451	+ 4.24	+ 18.9	7 15 22.14	.....	+21 36 20.5	....
36	ι Geminorum	9	19 36.01	+ 0.26	**+32.80**	10 51 53.50	46.755	+ 4.24	+ 11.7	7 20 9.07	.....	+27 58 42.3	....
37	β Geminorum	9	39 16.41	+ 0.26	**+32.77**	10 35 53.00	46.818	+ 4.24	+ 11.4	7 39 49.47	.....	+28 14 41.7	....
38	φ Geminorum	9	47 27.19	+ 0.26	**+32.82**	11 49 52.20	48.592	+ 4.24	+ 12.8	7 48 0.25	.....	+27 0 0.5	....
39	η Cancri	9	26 57.99	+ 0.30	**+32.85**	18 5 52.52	46.042	+ 4.24	+ 19.9	8 27 31.10	.....	+20 44 51.4	....
40	ι Cancri	9	40 42.97	+ 0.25	**+32.90**	9 45 50.70	45.152	+ 4.24	+ 10.5	8 41 16.03	.....	+29 5 23.0	....
41	α Cancri	9	53 1.52	+ 0.35	**+32.82**	26 37 53.95	46.710	+ 4.24	+ 30.5	8 53 34.69	.....	+12 12 24.2	....
42	Moon N	.	.. ..	.....	.....	17 53 51.78	46.005	+ 4.24	+ 19.7	.. ..	.....	+20 56 50.4	....
43	Moon II, S	9	14 44.33	+ 0.31	+32.82	18 25 56.88	44.162	+ 4.24	+ 20.3	9 15 17.46	−68.55	+20 25 32.4	....
	January 25, L.												
44	α Ursæ Minoris s. p.	7	25 36.66	+16.49	+32.80	307 41 58.50	46.707	+ 4.28	−1 18.5	1 26 25.95	.....	+88 49 51.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 6 27	29.770	35.0	34.0
6 40	......	....	34.1
7 0	......	....	34.1
7 21	29.772	34.8	34.6
25 20 30	29.786	34.5	33.8
22 4	29.756	36.2	35.4
1 37	29.777	34.0	33.0
2 33	29.790	32.7	31.5
2 54	......	....	31.0
3 15	......	....	30.8
3 31	29.785	31.1	30.5
3 16	......	....	30.2
3 58	29.780	31.0	30.1
5 18	29.786	29.5	29.0
5 40	......	....	28.8
5 54	......	....	28.5
6 21	29.788	29.0	28.2
6 56	29.788	28.5	28.0
7 22	......	....	27.5
7 49	29.784	28.0	27.1
8 25	29.772	27.3	26.8
8 47	......	....	26.5
9 15	29.773	27.5	26.2
13 26	29.742	24.2	23.8

Micrometer bisections are made at II, VI, except as noted below.

6.	Bisections at II, III, IV, V, VI.
8, 42.	Bisections at I, II, III.
9, 43.	Bisections at V, VI, VII.
10, 12, 13, 35.	Bisections at I, II, VI, VII.
14, 20, 21, 44.	Bisections at b_4, b_5, b_6.
16, 18, 27, 29.	Bisections at VI, VII.
17.	Bisections at I, II.

Note.

1–7. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+12 56.8	−15 43.3	...	− 2 46.5
8	+ 7.5	−16 15.6	...	−16 8.1
9	+ 7.6	+16 15.5	...	+16 23.1
10	+ 20.0	+ 27.5	...	+ 47.5
35	0.0	.. ....	...	0.0
42	+17 13.2	−15 24.6	...	+ 1 48.6
43	+17 42.5	+15 24.6	− 0.5	+33 6.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Cassiopeiæ S. P.	9	47 18.86	+ 1.18	+32.81	282 9 54.40	45.031	+ 4.28	−4 35.1	1 47 52.85	.....	+63 13 52.1	....
2	50 Cassiopeiæ S. P.	9	55 7.29	+ 1.54	+32.81	290 53 56.32	43.999	+ 4.28	−2 38.0	1 55 41.64	.....	+71 59 27.5	....
3	α Draconis	9	1 24.76	− 0.18	+32.81	334 3 56.68	44.979	+ 4.28	− 29.6	14 1 57.39	.....	+64 48 0.9	....
4	β Ursæ Minoris	9	50 25.22	− 0.64	+32.82	324 19 56.42	48.097	+ 4.28	− 43.6	14 50 57.40	.....	+74 31 4.0	....
	January 26, L.												
5	ε Geminorum	9	37 51.08	+ 0.33	**+32.94**	13 37 57.45	44.905	+ 3.67	+ 14.3	6 38 24.32	.....	+25 13 18.6	....
6	ζ Geminorum	9	58 13.62	+ 0.36	**+32.98**	18 7 57.58	47.548	+ 3.67	+ 19.3	6 58 46.90	.....	+20 42 13.1	....
7	λ Geminorum	9	12 22.65	+ 0.38	**+32.95**	22 7 57.88	47.302	+ 3.67	+ 24.0	7 12 55.95	.....	+16 42 13.5	....
8	Neptune C, C.	9	14 41.98	+ 0.35	+32.92	17 13 57.55	46.702	+ 3.67	+ 18.3	7 15 15.25	.....	+21 36 33.6	....
9	ι Geminorum	5	19 35.81	+ 0.32	**+32.94**	10 51 57.25	46.658	+ 3.67	+ 11.3	7 20 9.05	.....	+27 58 41.9	....
10	β Canis Minoris	9	21 43.53	+ 0.42	**+32.97**	30 21 57.85	46.710	+ 3.67	+ 34.4	7 22 16.87	.....	+ 8 28 16.9	....
11	κ Geminorum	9	38 28.41	+ 0.34	**+33.00**	14 13 57.70	45.925	+ 3.67	+ 14.9	7 39 1.67	.....	+24 36 54.5	....
	January 26, M.												
12	α Leonis	9	3 2.02	+ 0.39	**+33.06**	26 25 57.90	46.678	+ 3.26	+ 29.1	10 3 35.46	.....	+12 24 23.1	....
13	Moon II, S.	9	8 3.89	+ 0.38	+33.05	22 31 55.98	47.715	+ 3.26	+ 24.3	10 8 37.32	−66.03	+16 18 6.3	....
14	γ Leonis (*pr.*)	9	14 28.07	+ 0.35	**+32.99**	18 33 56.75	43.548	+ 3.26	+ 19.7	10 15 1.47	.....	+20 17 45.4	....
15	ρ Leonis	9	27 31.54	+ 0.40	**+33.02**	29 3 57.75	47.160	+ 3.26	+ 32.6	10 28 5.00	.....	+ 9 46 9.0	....
16	41 Leonis Minoris	9	37 58.78	+ 0.33	**+33.01**	15 11 56.22	44.380	+ 3.26	+ 15.9	10 38 32.17	.....	+23 39 30.7	....
17	α Crateris	9	54 50.15	+ 0.52	**+33.01**	56 37 56.22	48.142	+ 3.26	+1 28.6	10 55 23.73	.....	−17 49 7.9	....
18	θ Leonis	9	8 58.20	+ 0.37	**+32.98**	22 55 56.52	44.740	+ 3.26	+ 24.7	11 9 31.63	.....	+15 55 13.4	....
19	50 Cassiopeiæ S. P.	9	55 7.19	+ 1.42	+33.09	290 53 55.85	43.728	+ 3.26	−2 31.7	1 55 41.70	.....	+71 59 25.7	....
20	α Draconis	9	1 24.64	− 0.16	+33.09	334 3 57.48	44.893	+ 3.26	− 28.4	14 1 57.57	.....	+64 48 2.1	....
21	β Ursæ Minoris	9	50 25.00	− 0.60	+33.10	324 19 56.52	48.025	+ 3.26	− 42.0	14 50 57.50	.....	+74 31 5.0	....
22	57 B. Ursæ Minoris	9	5 33.22	− 6.62	+33.10	311 17 55.88	45.493	+ 3.26	−1 6.6	15 5 59.70	.....	+87 34 28.1	....
23	γ^2 Ursæ Minoris	.	.. ..	....	.....	326 41 55.85	48.333	+ 3.26	− 38.4	15 20	.....	+72 8 55.1	....
	January 27, P.												
24	γ Leonis (*pr.*)	9	14 27.87	+ 0.31	**+33.25**	18 33 55.08	43.612	+ 3.52	+ 19.8	10 15 1.46	.....	+20 17 45.4	....
25	41 Leonis Minoris	9	37 58.58	+ 0.29	**+33.27**	15 11 51.92	44.532	+ 3.52	+ 16.1	10 38 32.16	.....	+23 39 31.0	....
26	Moon II, S.	9	57 43.13	+ 0.36	+33.29	27 21 52.38	47.111	+ 3.52	+ 30.5	10 58 16.78	−63.83	+11 28 17.2	....
27	υ Leonis	9	31 47.03	+ 0.41	**+33.27**	39 9 52.05	46.142	+ 3.52	+ 47.9	11 32 20.74	.....	− 0 19 37.6	....
28	β Leonis	9	43 54.85	+ 0.34	**+33.35**	23 45 53.92	46.902	+ 3.52	+ 25.9	11 44 28.49	.....	+15 4 24.9	....
29	β Virginis	9	45 26.96	+ 0.40	**+33.31**	36 33 53.58	46.518	+ 3.52	+ 43.6	11 46 0.66	.....	+ 2 16 16.5	....
30	π Virginis	9	55 42.17	+ 0.38	**+33.32**	31 43 52.65	45.198	+ 3.52	+ 36.4	11 56 15.85	.....	+ 7 6 54.8	....
	January 29, L.												
31	ε Geminorum	9	37 50.40	+ 0.37	**+33.57**	13 37 57.28	44.890	+ 3.24	+ 14.6	6 38 24.44	.....	+25 13 19.3	....
32	ζ Geminorum	9	58 12.94	+ 0.39	**+33.64**	18 7 57.38	47.570	+ 3.24	+ 19.7	6 58 47.00	.....	+20 42 12.8	....
33	λ Geminorum	9	12 21.90	+ 0.41	**+33.68**	22 7 58.62	47.278	+ 3.24	+ 24.4	7 12 55.98	.....	+16 42 13.4	....
34	Neptune C, C.	9	14 21.36	+ 0.38	+33.67	17 13 57.62	44.958	+ 3.24	+ 18.6	7 14 55.41	.....	+21 37 13.4	....
35	ι Geminorum	9	19 35.06	+ 0.35	**+33.67**	10 51 57.12	46.620	+ 3.24	+ 11.6	7 20 9.09	.....	+27 58 42.7	....
36	β Canis Minoris	9	21 42.80	+ 0.44	**+33.69**	30 21 57.55	46.685	+ 3.24	+ 35.2	7 22 16.92	.....	+ 8 28 17.4	....
37	κ Geminorum	9	38 27.74	+ 0.37	**+33.66**	14 13 57.15	45.930	+ 3.24	+ 15.3	7 39 1.79	.....	+24 36 54.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 13 48	......	....	23.4
14 3	......	....	23.3
14 15	29.736	24.0	....
14 52	......	....	23.2
15 5	29.744	24.0	....
26 6 39	29.324	35.0	34.3
6 57	......	....	34.3
7 11	......	....	34.3
7 39	29.288	34.3	34.9
10 3	29.210	35.4	34.9
10 28	......	....	34.8
11 9	29.218	35.6	36.2
13 56	29.230	34.7	34.4
14 50	......	....	33.2
15 21	29.230	33.2	33.0
27 10 12	29.434	36.0	36.0
10 41	......	....	35.0
10 58	......	....	36.1
11 21	29.450	36.0	36.6
11 40	......	....	36.2
11 58	29.428	36.0	36.0
29 6 37	29.630	28.8	28.9
6 57	......	....	29.3
7 10	......	....	29.7
7 23	......	....	29.9
7 39	29.600	30.1	29.7

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 3.	Bisections at II, III, V, VI.
4.	Bisections at III, IV, V.
7, 12, 28, 33, 35.	Bisections at I, II.
8, 9, 24.	Bisections at VI, VII.
13, 26.	Bisections at II, III, IV, V, VI.
14, 27, 31.	Bisections at II, VI, VII.
17, 19, 30, 32, 34.	Bisections at I, II, VI, VII.
20–23.	Bisections at b_4, b_5, b_6.
29.	Bisections at I, II, VI.

Notes.

19. Unsteady.
24. Clouds.
31. Conditions poor.
33. Very faint.
33. Micrometer reading increased 1 rev.

No.	Parallax.	Semi-daimeter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	0.0	.. ..	...	0.0
13	+21 17.1	+15 14.9	...	+36 32.0
26	+25 17.8	+15 5.8	...	+40 23.6
34	0.0	.. ..	...	0.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 29, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II, S.	9	29 20.92	+ 0.45	+33.78	38 1 52.92	46.781	+ 3.34	+ 47.4	12 29 55.15	−61.32	+ 0 48 7.5	....
2	ρ Virginis	9	36 45.65	+ 0.39	**+33.84**	28 5 53.10	48.290	+ 3.34	+ 32.4	12 37 19.83	.....	+10 43 47.9	....
3	35 Virginis	9	42 42.17	+ 0.42	**+33.86**	34 45 53.12	47.920	+ 3.34	+ 42.1	12 43 16.38	.....	+ 4 3 46.6	....
4	δ Virginis	9	50 29.94	+ 0.42	**+33.78**	34 57 54.58	44.340	+ 3.34	+ 42.4	12 51 4.15	.....	+ 3 53 6.7	....
5	ε Virginis	9	57 7.59	+ 0.38	**+33.84**	27 23 54.25	46.540	+ 3.34	+ 31.5	12 57 41.76	.....	+11 26 27.6	....
6	θ Virginis	9	4 42.93	+ 0.47	**+33.76**	43 53 55.25	45.340	+ 3.34	+ 58.4	13 5 17.19	.....	− 5 3 32.8	....
7	α Ursæ Minoris S. P.	8	25 32.45	+16.96	+33.79	307 41 53.42	46.922	+ 3.34	−1 18.2	1 26 23.20	.....	+88 49 50.4	....
8	*m* Virginis	9	36 18.57	+ 0.48	**+33.79**	47 5 53.08	43.652	+ 3.34	+1 5.4	13 36 52.85	.....	− 8 14 59.0	....
9	ε Cassiopeiæ S. P.	8	47 17.91	+ 1.18	+33.80	282 9 52.05	44.933	+ 3.34	−4 34.2	1 47 52.89	.....	+63 13 47.7	....
10	50 Cassiopeiæ S. P.	9	55 6.19	+ 1.54	+33.80	290 53 47.10	44.370	+ 3.34	−2 37.5	1 55 41.53	.....	+71 59 26.6	....
11	α Draconis	9	1 24.07	− 0.23	+33.80	334 3 53.22	45.145	+ 3.34	− 29.5	14 1 57.64	.....	+64 48 1.1	....
12	β Ursæ Minoris	9	50 24.61	− 0.72	+33.81	324 19 54.12	48.190	+ 3.34	− 43.6	14 50 57.70	.....	+74 31 4.3	....
13	57 B. Ursæ Minoris	9	5 34.83	− 7.43	+33.81	311 17 52.42	45.813	+ 3.34	−1 9.1	15 6 1.21	.....	+87 34 26.6	....
14	γ^2 Ursæ Minoris	9	20 18.17	− 0.55	+33.81	326 41 54.22	48.485	+ 3.34	− 39.9	15 20 51.43	.....	+72 8 53.9	....
15	ζ Ursæ Minoris	9	46 41.33	− 1.10	+33.82	320 47 54.15	46.183	+ 3.34	− 49.5	15 47 14.05	.....	+78 3 56.9	....
	January 30, M.												
16	Moon II, S.	9	13 24.29	+ 0.49	+33.99	43 25 56.88	48.302	+ 3.35	+ 56.1	13 13 58.77	−61.18	− 4 36 39.9	....
17	α Virginis	8	19 52.25	+ 0.51	**+34.03**	49 31 57.88	44.655	+ 3.35	+1 9.4	13 20 26.75	.....	−10 41 30.8	....
18	ζ Virginis	9	29 31.68	+ 0.47	**+33.98**	38 57 56.72	47.560	+ 3.35	+ 48.0	13 30 6.14	.....	− 0 8 14.6	....
19	*m* Virginis	9	36 18.36	+ 0.50	**+34.01**	47 5 57.88	43.500	+ 3.35	+1 3.9	13 36 52.86	.....	− 8 14 58.9	....
20	89 Virginis	9	44 23.80	+ 0.54	**+33.96**	56 31 56.25	42.875	+ 3.35	+1 29.7	13 44 58.34	.....	−17 41 8.5	....
21	α Draconis	9	1 23.91	− 0.11	+34.00	334 3 57.12	44.925	+ 3.35	− 28.8	14 1 57.80	.....	+64 48 2.0	....
22	κ Virginis	9	7 30.53	+ 0.51	**+34.04**	48 41 57.62	44.305	+ 3.35	+1 7.7	14 8 5.04	.....	− 9 51 21.0	....
23	ι Virginis	9	10 42.63	+ 0.49	**+33.99**	44 23 58.65	47.310	+ 3.35	+ 58.3	14 11 17.12	.....	− 5 34 21.3	....
24	λ Virginis	9	13 39.12	+ 0.52	**+34.03**	51 47 57.52	44.240	+ 3.35	+1 15.6	14 14 13.64	.....	−12 57 26.9	....
25	109 Virginis	9	41 6.79	+ 0.46	**+34.01**	36 33 57.05	46.598	+ 3.35	+ 44.3	14 41 41.26	.....	+ 2 16 10.7	....
26	α Libræ	9	45 18.58	+ 0.54	**+33.94**	54 29 56.92	45.615	+ 3.35	+1 23.7	14 45 53.13	.....	−15 40 6.0	....
27	β Ursæ Minoris	9	50 24.54	− 0.52	+34.01	324 19 55.62	48.100	+ 3.35	− 42.7	14 50 58.03	.....	+74 31 4.8	....
28	57 B. Ursæ Minoris	7	5 34.54	− 6.16	+34.01	311 17 56.30	45.545	+ 3.35	−1 7.8	15 6 2.39	.....	+87 34 27.6	....
29	γ^2 Ursæ Minoris	9	20 17.89	− 0.38	+34.01	326 41 56.55	48.343	+ 3.35	− 39.2	15 20 51.52	.....	+72 8 54.8	....
30	ζ Ursæ Minoris	9	46 41.33	− 0.84	+34.02	320 47 57.18	45.977	+ 3.35	− 48.6	15 47 14.51	.....	+78 3 57.7	....
	February 1, M.												
31	Sun I, S.	9	56 7.25	+ 0.54	+34.35	56 17 56.68	46.812	+ 2.74	+1 30.2	20 56 42.14	+68.26	−17 28 39.0	....
32	Sun II, N.	9	58 23.77	+ 0.54	+34.35	55 45 57.65	45.603	+ 2.74	+1 28.3	20 58 58.66	−68.26	−16 56 10.5	....
33	Venus I, S.	9	54 12.89	+ 0.51	+34.36	44 37 58.40	47.369	+ 2.45	+ 59.3	21 54 47.76	+ 2.00	− 5 48 22.3	....
34	α Ursæ Minoris	9	26 1.06	−15.24	+34.42	310 1 58.65	47.288	+ 2.33	−1 11.1	1 26 20.24	.....	+88 49 49.6	....
35	ξ Piscium	9	48 17.97	+ 0.43	[**+34.42**]	36 5 58.20	45.805	+ 2.33	+ 43.9	1 48 52.83	.....	+ 2 44 29.1	....
36	50 Cassiopeiæ	9	55 7.30	− 0.51	+34.43	326 51 55.72	47.047	+ 2.33	− 39.1	1 55 41.22	.....	+71 59 26.2	....
37	α Draconis S. P.	9	1 22.12	+ 1.18	+34.43	283 43 57.12	43.939	+ 2.33	−4 0.9	14 1 57.73	.....	+64 48 1.9	....
38	μ Ceti	9	39 29.07	+ 0.40	**+34.38**	29 5 57.12	47.552	+ 2.33	+ 33.7	2 40 3.91	.....	+ 9 44 0.5	....
39	τ^2 Eridani	9	46 21.98	+ 0.55	+34.44	60 11 57.78	46.235	+ 2.33	+1 45.3	2 46 56.97	.....	−21 22 41.6	....
40	β Ursæ Minoris S. P.	9	50 21.91	+ 1.65	+34.44	293 23 58.55	47.273	+ 2.33	−2 18.1	14 50 58.00	.....	+74 31 2.7	....
41	57 B. Ursæ Minoris S. P.	9	5 20.00	+ 8.06	+34.44	306 27 57.05	43.297	+ 2.33	−1 21.4	15 6 2.50	.....	+87 34 27.0	....
42	ζ Eridani	9	10 52.42	+ 0.49	+34.44	47 59 57.92	44.410	+ 2.33	+1 7.1	3 11 27.35	+ 0.34	− 9 9 21.9	+ 8.0
43	γ^2 Ursæ Minoris S. P.	9	20 15.57	+ 1.49	+34.44	291 3 58.20	42.433	+ 2.33	−2 35.4	15 20 51.50	.....	+72 8 54.4	....
44	*f* Tauri	9	25 18.92	+ 0.38	**+34.46**	26 13 57.88	43.238	+ 2.33	+ 29.8	3 25 53.74	.....	+12 37 42.0	....
45	ε Eridani	9	28 6.27	+ 0.49	**+34.39**	48 35 57.52	45.765	+ 2.33	+1 8.7	3 28 41.21	.....	− 9 45 54.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 12 24	29.720	28.0	27.0
12 40	....	....	27.0
13 0	....	....	26.0
13 16	29.734	27.0	25.5
13 40	....	....	25.1
14 4	29.744	27.0	25.0
14 46	29.758	26.0	24.2
15 0	....	....	24.2
15 22	....	....	24.0
15 49	29.758	25.9	24.1
30 13 13	29.670	34.7	36.4
13 14	29.680	34.8	34.8
14 14	....	....	33.8
14 41	....	....	32.6
14 50	29.680	32.8	32.1
15 20	29.684	31.8	31.1
15 47	29.684	31.9	31.8
1 20 58	29.854	32.0	31.9
21 54	29.842	32.8	32.7
1 26	29.876	33.4	32.9
1 48	....	..	32.1
2 12	....	....	31.5
2 39	29.900	31.7	31.0
3 28	29.902	30.1	29.7

Micrometer bisections are made at II, VI, except as noted below.

1, 16.	Bisections at II, III, IV, V, VI.
7, 9, 10, 13, 15, 21, 27, 28, 30, 34, 36, 41.	Bisections at b_4, b_5, b_6.
11, 12, 14, 33, 37.	Bisections at I, II, VI, VII.
20, 24.	Bisections at VI, VII.
22, 23, 44.	Bisections at I, II.
29, 40, 43.	Bisections at III, IV, V.
31.	Bisections at I, II, III.
32.	Bisections at V, VI, VII.

Notes.

9.	Fuzzy.
16.	Micrometer reading increased 1 rev.
22.	Minutes of circle reading assumed.
25–27.	Haze.
28.	Faint.
29, 30.	Clouds.
37.	Very poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+33 26.1	+14 52.0	...	+48 18.1
16	+37 11.3	+14 48.6	...	+51 59.9
31	+ 7.4	+16 14.2	...	+16 21.6
32	+ 7.4	−16 14.3	...	−16 6.9
33	+ 21.8	+ 29.9	...	+ 51.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Eridani	9	38 21.08	+ 0.49	**+34.46**	48 53 58.70	46.435	+ 2.33	+1 9.4	3 38 56.02	.....	−10 4 11.4	....
2	B. D.+23°531	5	41 20.28	+ 0.32	+34.45	14 59 56.38	45.525	+ 2.33	+ 16.3	3 41 55.05	+ 0.36	+23 51 4.7	− 3.8
3	B. D.+23°534	5	41 22.98	+ 0.32	+34.45	14 59 56.38	43.828	+ 2.33	+ 16.3	3 41 57.75	+ 0.36	+23 51 43.8	− 3.8
4	ζ Ursæ Minoris s. p.	9	46 37.84	+ 2.01	+34.45	296 57 58.10	43.537	+ 2.33	−1 58.2	15 47 14.30	.....	+78 3 56.8	....
5	γ Eridani	9	53 14.84	+ 0.51	**+34.41**	52 35 57.18	45.590	+ 2.33	+1 19.2	3 53 49.80	.....	+13 46 0.2	....
6	o² Eridani	9	10 32.84	+ 0.48	**+34.44**	46 37 57.92	45.330	+ 2.33	+1 4.2	4 11 7.77	.....	− 7 47 40.0	....
7	γ Orionis	9	19 43.60	+ 0.42	**+34.43**	32 33 56.10	47.078	+ 2.33	+ 38.9	5 20 18.48	.....	+ 6 16 7.1	....
8	δ Orionis	9	26 49.93	+ 0.45	**+34.42**	39 11 57.60	46.748	+ 2.32	+ 49.6	5 27 24.85	.....	− 0 21 57.5	....
9	ι Orionis	9	30 27.23	+ 0.48	**+34.48**	44 47 56.85	46.860	+ 2.33	+1 0.4	5 31 2.18	.....	− 5 58 10.1	....
10	ζ Orionis	9	35 38.50	+ 0.46	**+34.44**	40 49 55.62	45.280	+ 2.33	+ 52.6	5 36 13.43	.....	− 1 59 25.0	....
11	κ Orionis	9	42 54.74	+ 0.49	**+34.48**	48 31 57.52	46.370	+ 2.33	+1 8.8	5 43 29.70	.....	− 9 42 8.0	....
12	α Orionis	9	49 43.48	+ 0.41	**+34.47**	31 27 56.38	43.650	+ 2.33	+ 37.3	5 50 18.36	.....	+ 7 23 26.8	....
13	1 Geminorum	9	58 4.62	+ 0.32	**+34.45**	15 33 54.60	47.908	+ 2.33	+ 17.0	5 58 39.41	.....	+23 16 11.5	....
14	ν Orionis	9	1 51.56	+ 0.37	**+34.51**	24 3 57.22	45.710	+ 2.33	+ 27.2	6 2 26.40	.....	+14 46 48.9	....
15	η Geminorum	9	8 52.36	+ 0.33	**+34.51**	16 17 56.28	48.128	+ 2.33	+ 17.9	6 9 27.16	.....	+22 32 3.9	....
16	μ Geminorum	9	16 56.64	+ 0.33	**+34.50**	16 17 56.20	43.868	+ 2.33	+ 17.9	6 17 31.44	.....	+22 33 41.1	....
17	8 Monocerotis	9	18 25.53	+ 0.42	**+34.50**	34 11 55.40	46.435	+ 2.33	+ 41.4	6 19 0.42	.....	+ 4 38 20.0	....
18	γ Geminorum	9	31 56.47	+ 0.36	**+34.50**	22 21 54.32	46.410	+ 2.33	+ 25.1	6 32 31.31	.....	+16 28 37.9	....
19	Neptune C, C	9	14 1.05	+ 0.33	+34.48	17 13 55.10	43.420	+ 2.33	+ 18.9	7 14 35.86	.....	+21 37 51.6	....
	February 1, P.												
20	α Ursæ Minoris s. p.	9	25 27.28	+16.31	+34.50	307 41 55.00	46.897	+ 2.35	−1 18.4	1 26 18.09	.....	+88 49 50.2	....
21	m Virginis	9	36 17.93	+ 0.48	**+34.52**	47 5 55.22	43.590	+ 2.35	+1 5.5	13 36 52.91	.....	− 8 14 58.9	....
22	89 Virginis	9	44 23.38	+ 0.52	**+34.46**	56 31 53.85	42.920	+ 2.35	+1 32.0	13 44 58.40	.....	−17 41 8.7	....
23	α Draconis	9	1 23.61	− 0.21	+34.50	334 3 55.75	45.074	+ 2.35	− 29.5	14 1 57.90	.....	+64 48 1.2	....
24	κ Virginis	9	7 30.10	+ 0.48	**+34.56**	48 41 53.72	44.440	+ 2.35	+1 9.4	14 8 5.09	.....	− 9 51 20.7	....
25	ι Virginis	9	10 42.18	+ 0.46	**+34.53**	44 23 57.12	47.330	+ 2.35	+ 59.8	14 11 17.15	.....	− 5 34 20.5	....
26	λ Virginis	9	13 38.75	+ 0.50	**+34.48**	51 47 52.95	44.418	+ 2.35	+1 17.5	14 14 13.76	.....	−12 57 27.3	....
27	Moon II, S	9	43 23.03	+ 0.52	+34.50	53 35 53.22	43.993	+ 2.35	+1 22.9	14 43 58.05	−63.09	−14 45 23.6	....
28	β Ursæ Minoris	9	50 24.21	− 0.69	+34.51	324 19 54.92	48.210	+ 2.35	− 43.7	14 50 58.03	.....	+74 31 4.2	....
29	57 B. Ursæ Minoris	9	5 35.17	− 7.14	+34.52	311 17 54.05	45.788	+ 2.35	−1 9.4	15 6 2.55	.....	+87 34 26.9	....
30	γ² Ursæ Minoris	9	20 17.65	− 0.53	+34.52	326 41 56.02	48.470	+ 2.35	− 40.0	15 20 51.64	.....	+72 8 53.6	....
31	γ Libræ	9	29 53.36	+ 0.51	**+34.58**	53 19 52.82	44.110	+ 2.35	+1 22.2	15 30 28.39	.....	−14 29 25.1	....
32	ζ Ursæ Minoris	9	46 40.99	− 1.05	+34.52	320 47 56.52	46.111	+ 2.35	− 49.7	15 47 14.46	.....	+78 3 56.3	....
33	Mercury C, C	9	56 45.39	+ 0.56	+34.61	56 7 57.50	48.206	+ 2.74	+1 29.2	19 57 20.56	− 0.21	−17 19 10.7	....
	February 2, P.												
34	Sun I, S	9	0 11.66	+ 0.54	+34.62	55 59 57.00	49.167	+ 2.87	+1 28.1	21 0 46.82	+68.22	−17 11 31.1	....
35	Sun II, N	9	2 28.09	+ 0.54	+34.62	55 27 58.22	47.903	+ 2.87	+1 26.4	21 3 3.25	−68.21	−16 39 1.9	....
36	Venus I, S	9	52 19.18	+ 0.46	+34.63	44 33 54.22	48.989	+ 2.61	+ 58.2	21 52 54.27	+ 2.02	− 5 44 54.2	....
37	ξ Piscium	9	48 17.68	+ 0.42	[**+34.71**]	36 5 53.80	46.092	+ 1.54	+ 42.8	1 48 52.81	.....	+ 2 44 28.9	....
38	α Draconis s. p.	9	1 22.11	+ 1.16	+34.71	283 43 51.80	43.845	+ 1.54	−3 54.2	14 1 57.98	.....	+64 48 0.8	....
39	β Ursæ Minoris s. p.	9	50 21.98	+ 1.62	+34.72	293 23 52.75	47.417	+ 1.54	−2 14.3	14 50 58.32	.....	+74 31 3.3	....
40	57 B. Ursæ Minoris s. p.	9	5 20.56	+ 7.89	+34.72	306 27 53.95	43.377	+ 1.54	−1 19.2	15 6 3.17	.....	+87 34 27.2	....
41	ξ Tauri	9	21 41.89	+ 0.39	**+34.74**	29 25 55.72	44.735	+ 1.54	+ 33.2	3 22 17.00	.....	+ 9 25 7.5	....
42	f Tauri	9	25 18.73	+ 0.37	**+34.65**	26 13 56.20	43.385	+ 1.54	+ 29.0	3 25 53.83	.....	+12 37 42.1	....
43	B. D.+23°534	5	41 22.73	+ 0.31	+34.73	14 59 50.82	44.080	+ 1.54	+ 15.8	3 41 57.77	+ 0.38	+23 51 44.5	− 3.8
44	B. D.+23°536	5	41 24.49	+ 0.31	+34.73	14 59 50.82	47.690	+ 1.54	+ 15.8	3 41 59.53	+ 0.38	+23 50 22.4	− 3.8
45	ζ Ursæ Minoris s. p.	9	46 38.01	+ 1.97	+34.73	296 57 53.52	43.642	+ 1.54	−1 54.9	15 47 14.71	.....	+78 3 57.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 3 53	......	....	29.4
4 11	29.920	29.4	28.8
5 20	29.920	27.8	27.9
5 36	......	....	27.8
6 2	......	....	27.3
6 32	29.920	27.6	26.8
7 14	29.920	27.0	26.5
13 17	29.916	27.0	27.0
13 40	......	....	27.0
13 59	......	....	26.9
14 21	29.900	26.0	25.8
14 39	......	....	25.0
15 0	......	....	24.4
15 26	......	....	24.0
15 50	29.910	26.0	25.2
19 57	29.922	35.2	35.0
2 21 2	29.898	38.2	38 2
21 53	29.872	41.0	41.0
1 46	29.834	44.9	44.0
2 8	......	....	44.0
2 46	29.823	42.8	42.6
3 10	......	....	41.9
3 30	......	....	41.4
3 54	......	....	41.0

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 16, 43.	Bisections at I, II.
3, 26, 44.	Bisections at VI, VII.
4, 20, 29, 38–40, 45.	Bisections at b_4, b_5, b_6.
19, 23, 28, 30, 32, 33, 36.	Bisections at I, II, VI, VII.
27.	Bisections at II, III, IV, V, VI.
34.	Bisections at I, II, III.
35.	Bisections at V, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	+ 0.1	.. ....	...	+ 0.1
27	+43 38.0	+14 50.3	...	+58 28.3
33	+ 10.5	.. ....	+ 0.1	+ 10.6
34	+ 7.4	+16 14.5	...	+16 21.9
35	+ 7.3	−16 14.6	...	−16 7.3
36	+ 21.7	+ 30.2	...	+ 51.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	λ Tauri	9	55 6.23	+ 0.37	**+34.75**	26 35 55.98	47.388	+ 1.54	+ 29.6	3 55 41.33	.....	+12 14 10.2	....
2	*A* Tauri	9	58 47.02	+ 0.32	**+34.76**	16 59 54.80	47.732	+ 1.54	+ 18.1	3 59 22.07	.....	+21 50 15.0	....
3	γ Orionis	9	19 43.25	+ 0.40	**+34.79**	32 33 51.90	47.368	+ 1.42	+ 37.7	5 20 18.39	.....	+ 6 16 6.8	....
4	δ Orionis	9	26 49.61	+ 0.43	**+34.75**	39 11 55.82	46.950	+ 1.42	+ 48.2	5 27 24.79	.....	− 0 21 58.0	....
5	ζ Orionis	9	35 38.23	+ 0.44	**+34.72**	40 49 51.75	45.572	+ 1.42	+ 51.1	5 36 13.42	.....	− 1 59 25.4	....
6	κ Orionis	9	42 54.52	+ 0.47	**+34.71**	48 31 54.80	46.632	+ 1.42	+1 6.9	5 43 29.74	.....	− 9 42 8.4	....
7	α Orionis	9	49 43.18	+ 0.40	**+34.77**	31 27 53.80	43.868	+ 1.42	+ 36.2	5 50 18.33	.....	+ 7 23 26.4	....
8	1 Geminorum	9	58 4.31	+ 0.31	**+34.76**	15 33 53.05	47.992	+ 1.42	+ 16.6	5 58 39.37	.....	+23 16 12.4	....
9	ν Orionis	9	1 51.30	+ 0.36	**+34.77**	24 3 53.05	45.970	+ 1.42	+ 26.5	6 2 26.41	.....	+14 46 48.8	....
10	η Geminorum	9	8 52.14	+ 0.32	**+34.73**	16 17 54.10	48.253	+ 1.42	+ 17.4	6 9 27.21	.....	+22 32 4.7	....
11	μ Geminorum	9	16 56.40	+ 0.32	**+34.74**	16 17 53.35	44.080	+ 1.42	+ 17.3	6 17 31.47	.....	+22 33 40.8	....
12	8 Monocerotis	9	18 25.25	+ 0.41	**+34.79**	34 11 52.50	46.688	+ 1.42	+ 40.2	6 19 0.42	.....	+ 4 38 19.4	....
13	γ Geminorum	9	31 56.24	+ 0.35	**+34.74**	22 21 53.50	46.500	+ 1.42	+ 24.4	6 32 31.35	.....	+16 28 38.3	....
14	Neptune C, C	9	13 54.47	+ 0.32	+34.76	17 11 53.30	48.250	+ 1.42	+ 18.4	7 14 29.55	.....	+21 38 4.5	....
	February 3, P.												
15	32 Libræ	9	22 34.35	+ 0.48	**+35.02**	55 13 53.62	46.008	+ 2.24	+1 26.7	15 23	.....	−16 24 13.6	....
16	γ Libræ	9	29 53.00	+ 0.47	**+35.04**	53 19 52.70	44.218	+ 2.24	+1 20.8	15 30	.....	−14 29 25.9	....
17	ζ Ursæ Minoris	9	46 40.56	− 1.01	.....	320 47 54.05	46.215	+ 2.24	− 48.9	15 47	.....	+78 3 55.7	....
18	β^1 Scorpii	9	59 35.49	+ 0.50	**[+34.98]**	58 23 53.45	43.938	+ 2.24	+1 37.8	16 0	.....	−19 33 37.2	....
19	ν Scorpii (*mean*)	9	6 9.14	+ 0.50	**[+34.93]**	58 3 52.65	44.190	+ 2.24	+1 36.5	16 6	.....	−19 13 40.9	....
20	Moon II, S	9	22 29.97	+ 0.52	+35.09	61 39 52.20	42.930	+ 2.24	+1 51.5	16 23 5.58	−67.27	−22 49 26.7	....
21	ζ Ophiuchi	9	31 35.45	+ 0.46	**[+35.00]**	49 13 50.82	44.230	+ 2.24	+1 9.9	16 32	.....	−10 23 13.4	....
22	η Ophiuchi	9	4 36.07	+ 0.48	**[+34.96]**	54 25 50.95	48.087	+ 2.24	+1 24.3	17 5	.....	−15 36 56.0	....
	February 4, P.												
23	Sun I, N	9	8 17.84	+ 0.48	+35.14	54 53 54.38	45.178	+ 1.70	+1 24.3	21 8 53.46	+67.98	−16 3 52.4	....
24	Sun II, S	9	10 33.81	+ 0.48	+35.14	55 25 56.15	46.423	+ 1.70	+1 26.0	21 11 9.43	−67.99	−16 36 24.4	....
25	Venus I, S	9	48 11.82	+ 0.43	+35.14	44 29 54.15	49.706	+ 1.70	+ 58.0	21 48 47.39	+ 2.04	− 5 41 9.4	....
26	57 B. Ursæ Minoris s. p.	9	5 20.83	+ 8.17	+35.18	306 27 53.95	43.377	+ 1.87	−1 18.8	15 6 4.18	.....	+87 34 27.9	....
27	γ^2 Ursæ Minoris s. p.	9	20 15.27	+ 1.48	+35.18	291 3 52.48	42.528	+ 1.87	−2 30.5	15 20 51.93	.....	+72 8 55.4	....
28	B. D. +23°505	9	38 51.21	+ 0.27	+35.18	14 49 51.78	47.295	+ 1.87	+ 15.6	3 39 26.66	+ 0.42	+24 0 30.0	− 3.7
29	B. D. +23°534	6	41 22.23	+ 0.27	+35.18	14 59 52.72	43.968	+ 1.87	+ 15.8	3 41 57.68	+ 0.41	+23 51 44.9	− 3.7
30	B. D. +23°536	6	41 24.03	+ 0.27	+35.18	14 59 52.72	47.615	+ 1.87	+ 15.8	3 41 59.48	+ 0.41	+23 50 21.9	− 3.7
31	ζ Ursæ Minoris s. p.	9	46 37.69	+ 2.00	+35.18	296 57 53.42	43.622	+ 1.87	−1 54.4	15 47 14.87	.....	+78 3 57.4	....
32	λ Tauri	9	55 5.68	+ 0.34	**+35.30**	26 35 53.22	47.428	+ 1.87	+ 29.4	3 55 41.21	.....	+12 14 11.9	....
33	*A* Tauri	9	58 46.52	+ 0.28	**+35.27**	16 59 51.28	47.850	+ 1.87	+ 18.0	3 59 21.99	.....	+21 50 15.7	....
34	γ Orionis	9	19 42.88	+ 0.37	**+35.17**	32 33 51.68	47.350	+ 1.87	+ 37.6	5 20 18.45	.....	+ 6 16 7.1	....
35	δ Orionis	9	26 49.24	+ 0.40	**+35.13**	39 11 52.85	47.077	+ 1.87	+ 48.0	5 27 24.84	.....	− 0 21 58.2	....
36	ζ Orionis	9	35 37.76	+ 0.41	**+35.20**	40 49 53.00	45.528	+ 1.87	+ 50.8	5 36 13.37	.....	− 1 59 25.8	....
37	κ Orionis	9	42 54.13	+ 0.44	**+35.11**	48 31 54.35	46.705	+ 1.87	+1 6.5	5 43 29.77	.....	− 9 42 9.7	....
38	α Orionis	9	49 42.74	+ 0.36	**+35.23**	31 27 52.40	43.905	+ 1.87	+ 36.0	5 50 18.31	.....	+ 7 23 26.7	....
39	8 Monocerotis	9	18 24.88	+ 0.37	**+35.19**	34 11 53.30	46.615	+ 1.87	+ 40.0	6 19 0.46	.....	+ 4 38 19.9	....
	February 4, L.												
40	Mercury C, C	9	51 59.08	+ 0.51	+35.28	56 49 55.90	45.859	+ 2.67	+1 30.6	19 52 34.87	− 0.18	−18 0 16.8	....
	February 5, L.												
41	Sun I, S	9	12 19.67	+ 0.50	+35.29	55 7 57.02	46.402	+ 2.47	+1 24.9	21 12 55.46	+67.92	−16 18 24.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 4 1	29.812	42.0	41.0
5 18	29.785	41.0	39.9
5 40	......	....	39.0
6 4	......	....	38.4
6 21	29.766	40.0	38.5
6 34	......	....	38.6
7 16	29.752	39.8	38.1
3 15 21	29.644	28.8	28.1
15 50	......	....	28.0
16 4	......	....	28.0
16 28	29.660	28.0	27.5
17 6	29.675	30.2	28.0
4 21 11	29.678	36.2	36.0
21 49	29.660	37.8	37.8
3 0	29.588	40.0	41.0
3 23	......	....	40.0
3 50	29.589	38.7	39.6
4 1	29.584	38.5	39.1
5 18	29.582	38.5	39.0
5 40	......	....	38.7
5 53	......	....	38.5
6 20	29.572	37.1	38.3
19 52	29.620	36.0	34.9

Micrometer bisections are made at II, VI, except as noted below.

10, 22, 33, 35.	Bisections at II, VI, VII.
12, 30.	Bisections at VI, VII.
14, 17, 25, 40.	Bisections at I, II, VI, VII.
20.	Bisections at II, III, IV, V, VI.
23, 41.	Bisections at I, II, III.
24.	Bisections at V, VI, VII.
26, 27, 31.	Bisections at b_4, b_5, b_6.
28, 29.	Bisections at I, II.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+ 0.1	.. ....	...	+ 0.1
20	+48 27.9	+15 3.9	...	+63 31.8
23	+ 7.3	−16 16.0	...	−16 8.7
24	+ 7.3	+16 16.0	...	+16 23.3
25	+ 22.0	+ 30.6	...	+ 52.6
40	+ 10.0	.. ....	− 0.1	+ 9.9
41	+ 7.3	+16 14.7	...	+16 22.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, N.	9	14 35.51	+ 0.50	+35.29	54 35 54.82	45.280	+ 2.47	+1 23.2	21 15 11.30	−67.92	−15 45 54.9	....
2	Venus I, S.	9	45 59.50	+ 0.46	+35.30	44 29 58.08	48.772	+ 2.47	+ 58.2	21 46 35.26	+ 2.05	− 5 40 53.0	....
3	π Ceti	9	39 14.07	+ 0.44	+35.33	53 3 56.25	47.013	+ 2.15	+1 19.0	2 39 49.84	.....	−14 14 31.3	....
4	β Ursæ Minoris s. p.	9	50 21.47	+ 1.45	+35.33	293 23 54.38	47.412	+ 2.15	−2 16.0	14 50 58.25	.....	+74 31 3.3	....
5	57 B. Ursæ Minoris s. p.	9	5 20.22	+ 7.05	+35.34	306 27 55.12	43.425	+ 2.15	−1 20.2	15 6 2.61	.....	+87 34 29.1	....
6	γ^2 Ursæ Minoris s. p.	9	20 15.18	+ 1.32	+35.34	291 3 54.95	42.517	+ 2.15	−2 33.1	15 20 51.84	.....	+72 8 55.2	....
7	ε Eridani	9	28 5.28	+ 0.43	**+35.38**	48 35 58.32	45.700	+ 2.15	+1 7.7	3 28 41.05	.....	− 9 45 52.2	....
8	17 Tauri	9	38 55.63	+ 0.28	+35.34	14 59 56.32	48.538	+ 2.15	+ 16.1	3 39 31.25	+ 0.44	+23 49 56.2	− 3.6
9	B. D.+23°534	5	41 22.17	+ 0.28	+35.34	14 59 56.32	43.785	+ 2.15	+ 16.0	3 41 57.79	+ 0.42	+23 51 44.9	− 3.6
10	η Tauri	6	41 31.87	+ 0.28	**+35.37**	14 59 56.32	49.128	+ 2.15	+ 16.1	3 42 7.49	.....	+23 49 43.1	....
11	γ Eridani	9	53 13.94	+ 0.45	**+35.31**	52 35 56.15	45.628	+ 2.15	+1 18.1	3 53 49.73	.....	−13 45 58.7	....
12	151 H^1. Cephei	9	7 27.67	− 3.11	+35.35	313 31 55.42	48.228	+ 2.15	−1 2.6	4 7 59.91	.....	+85 19 23.2	....
13	o^2 Eridani	7	10 31.94	+ 0.42	**+35.34**	46 37 57.40	45.415	+ 2.15	+1 3.3	4 11 7.71	.....	− 7 47 40.2	....
14	ν Eridani	9	31 13.51	+ 0.40	**+35.37**	42 21 57.10	47.210	+ 2.15	+ 54.7	4 31 49.26	.....	− 3 32 12.6	....
15	53 Eridani	9	33 27.87	+ 0.45	**+35.23**	53 17 56.48	47.880	+ 2.15	+1 20.5	4 34 3.67	.....	−14 28 53.9	....
16	γ Orionis	9	19 42.68	+ 0.36	**+35.37**	32 33 56.08	47.090	+ 2.15	+ 38.5	5 20 18.40	.....	+ 6 16 7.6	....
17	δ Orionis	9	26 48.98	+ 0.39	**+35.39**	39 11 57.50	46.780	+ 2.15	+ 49.1	5 27 24.73	.....	− 0 21 57.5	....
18	ζ Orionis	9	35 37.62	+ 0.40	**+35.34**	40 49 58.82	45.168	+ 2.15	+ 52.0	5 36 13.38	.....	− 1 59 24.8	....
19	κ Orionis	9	42 53.92	+ 0.43	**+35.32**	48 31 59.82	46.305	+ 2.15	+1 8.1	5 43 29.71	.....	− 9 42 7.9	....
20	α Orionis	9	49 42.54	+ 0.35	**+35.43**	31 27 57.55	43.610	+ 2.15	+ 36.9	5 50 18.25	.....	+ 7 23 27.1	....
21	8 Monocerotis	9	18 24.65	+ 0.37	**+35.41**	34 11 57.60	46.362	+ 2.15	+ 41.0	6 19 0.39	.....	+ 4 38 20.1	....
	February 7, P.												
22	μ Virginis	9	37 42.01	+ 0.61	**+35.94**	44 5 55.60	46.895	+ 1.68	+ 59.7	14 38 18.56	.....	− 5 16 8.3	....
23	8 Libræ	9	45 5.27	+ 0.69	**+35.92**	54 27 51.52	44.092	+ 1.68	+1 26.2	14 45 41.90	.....	−15 37 26.7	....
24	β Ursæ Minoris	9	50 23.56	− 0.97	+35.94	324 19 54.12	48.304	+ 1.68	− 44.0	14 50 58.53	.....	+74 31 3.8	....
25	57 B. Ursæ Minoris	9	5 38.39	− 9.60	+35.94	311 17 53.80	45.857	+ 1.68	−1 9.8	15 6 4.73	.....	+87 34 26.6	....
26	β Libræ	9	11 32.56	+ 0.64	**+35.93**	47 53 53.48	44.065	+ 1.68	+1 8.2	15 12 9.15	.....	− 9 3 10.0	....
27	γ^2 Ursæ Minoris	9	20 16.99	− 0.75	+35.95	326 41 56.18	48.523	+ 1.68	− 40.3	15 20 52.19	.....	+72 8 53.9	....
28	32 Libræ	9	22 33.31	+ 0.69	**+35.98**	55 13 53.25	45.995	+ 1.68	+1 28.7	15 23 9.95	.....	−16 24 14.4	....
29	γ Libræ	9	29 52.02	+ 0.68	**+35.95**	53 19 52.80	44.172	+ 1.68	+1 22.7	15 30 28.65	.....	−14 29 26.3	....
30	ζ Ursæ Minoris	9	46 40.71	− 1.45	+35.95	320 47 54.75	46.268	+ 1.68	− 50.0	15 47 15.21	.....	+78 3 55.4	....
31	ε Ophiuchi	9	12 55.99	+ 0.61	**[+35.96]**	43 17 55.10	48.065	+ 1.68	+ 58.1	16 13 32.56	.....	− 4 28 33.0	....
	February 8, P.												
32	Sun I, S.	9	24 20.48	+ 0.65	+35.99	54 11 57.52	47.505	+ 1.17	+1 21.9	21 24 57.12	+67.54	−15 22 45.8	....
33	Sun II, N.	9	26 35.56	+ 0.65	+35.99	53 39 57.30	46.365	+ 1.17	+1 20.3	21 27 12.20	−67.54	−14 50 18.0	....
34	Venus I, S.	9	38 57.11	+ 0.59	+36.00	44 35 56.55	46.746	+ 1.17	+ 58.3	21 39 33.70	+ 2.09	− 5 46 4.0	....
	February 14, P.												
35	ξ Piscium	9	48 14.59	+ 0.51	**[+37.56]**	36 5 54.15	45.998	+ 2.29	+ 43.2	1 48	.....	+ 2 44 29.5	....
36	Moon I, S.	9	56 25.87	+ 0.49	+37.59	30 27 53.70	44.063	+ 2.25	+ 34.8	1 57 3.95	+68.47	+ 8 23 22.7	....
37	ξ^1 Ceti	9	7 34.62	+ 0.48	**[+37.59]**	30 25 51.20	44.095	+ 2.21	+ 34.8	2 8	.....	+ 8 25 24.4	....
38	ξ^2 Ceti	9	22 43.33	+ 0.48	**[+37.61]**	30 47 52.05	44.202	+ 2.14	+ 35.4	2 23	.....	+ 8 3 20.6	....
39	ν Ceti	9	30 30.04	+ 0.50	**[+37.58]**	33 39 51.60	42.385	+ 2.11	+ 39.5	2 31	.....	+ 5 11 58.5	....
40	γ Ceti	9	37 59.29	+ 0.51	**[+37.57]**	35 59 52.00	43.958	+ 2.08	+ 43.2	2 38	.....	+ 2 51 18.5	....
41	f Tauri	9	25 15.47	+ 0.46	**[+37.64]**	26 13 51.98	43.532	+ 1.88	+ 29.4	3 25	.....	+12 37 42.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 21 15	29.600	37.2	35.3
21 46	29.580	36.9	35.6
2 40	29.596	34.9	33.7
2 52	......	....	33.1
3 5	......	....	32.7
3 21	......	....	32.1
3 54	29.614	32.0	31.1
4 11	......	....	30.7
4 34	29.624	30.8	29.7
5 21	29.618	29.2	28.1
5 37	......	....	27.7
5 49	......	....	27.7
6 19	29.624	27.7	26.8
7 14 36	29.998	23.8	22.9
15 0	......	....	23.0
15 28	30.000	24.0	23.0
15 52	......	....	23.0
16 14	30.000	24.0	23.0
8 21 27	29.952	38.8	41.9
21 39	29.947	40.0	42.1
14 1 46	29.931	41.2	41.0
2 5	......	....	40.9
2 28	......	....	39.8
2 36	......	....	39.1
2 52	29.920	39.5	39.0
3 29	......	....	37.8

Micrometer bisections are made at II, VI, except as noted below.

1, 33. Bisections at V, VI, VII.
2, 11, 24, 30, 34. Bisections at I, II, VI, VII.
3. Bisections at II, VI, VII.
4. Bisections at II, III, V, VI.
5, 12, 25, 27. Bisections at b_4, b_5, b_6.
6. Bisections at III, IV, V.
8, 9. Bisections at I, II.
10, 13, 16. Bisections at VI, VII.
14. Bisection at II.
32. Bisections at I, II, III.
36. Bisections at II, III, IV, V, VI.

Note.
3, 20. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ′
1	+ 7.2	−16 14.7	...	−16 7.5
2	+ 22.1	+ 30.7	...	+ 52.8
32	+ 7.2	+16 13.9	...	+16 21.1
33	+ 7.2	−16 13.9	...	−16 6.7
34	+ 22.5	+ 31.2	...	+ 53.7
36	+30 5.4	+16 16.7	...	+46 22.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	17 Tauri	9	38 53.14	+ 0.40	.....	14 59 50.50	48.852	+ 1.83	+ 16.0	3 38	.....	+23 49 55.5	− 3.5
2	B. D.+23°534	9	41 19.56	+ 0.40	.....	14 59 50.50	44.075	+ 1.82	+ 16.0	3 41	.....	+23 51 44.7	− 3.6
3	ζ Ursæ Minoris s. P.	9	46 36.39	+ 1.98	.....	296 57 48.78	43.840	+ 1.79	−1 56.3	15 47	.....	+78 3 55.8	....
	February 15, P.												
4	σ Arietis	9	45 52.30	+ 0.38	[**+37.76**]	24 7 54.02	46.298	+ 2.27	+ 26.0	2 46	.....	+14 42 39.9	....
5	Moon I, S	9	51 59.45	+ 0.39	+37.87	24 33 52.05	43.255	+ 2.25	+ 26.5	2 52 37.71	+69.61	+14 17 51.1	....
6	ζ Arietis	9	9 4.58	+ 0.36	[**+37.84**]	18 7 51.35	46.625	+ 2.17	+ 19.0	3 9	.....	+20 42 42.3	....
7	ο Tauri	9	19 19.32	+ 0.41	[**+37.77**]	30 7 54.40	45.835	+ 2.12	+ 33.7	3 19	.....	+ 8 42 42.4	....
8	ξ Tauri	9	21 38.55	+ 0.40	[**+37.86**]	29 25 52.82	44.875	+ 2.11	+ 32.8	3 22	.....	+ 9 25 6.9	....
9	*f* Tauri	9	25 15.32	+ 0.39	[**+37.84**]	26 13 54.18	43.477	+ 2.10	+ 28.6	3 25	.....	+12 37 41.8	....
10	η Tauri	9	41 29.17	+ 0.34	**+37.85**	15 1 51.32	44.143	+ 2.03	+ 15.6	3 42	.....	+23 49 42.4	....
	February 16, P.												
11	ν Arietis	9	33 2.99	+ 0.16	[**+38.07**]	17 17 48.88	42.505	+ 0.87	+ 17.5	2 33	.....	+21 34 21.6	....
12	41 Arietis	9	44 1.73	+ 0.14	[**+38.13**]	11 57 50.45	45.112	+ 0.87	+ 12.0	2 44	.....	+26 53 26.0	....
13	σ Arietis	9	45 52.15	+ 0.18	[**+38.09**]	24 7 48.38	46.665	+ 0.87	+ 25.3	2 46	.....	+14 42 39.5	....
14	ε Arietis (*mean*)	9	53 24.69	+ 0.16	[**+38.06**]	17 51 47.22	46.472	+ 0.87	+ 18.2	2 54	.....	+20 58 52.0	....
15	γ^2 Ursæ Minoris s. P.	9	20 13.76	+ 1.14	.....	291 1 46.30	47.763	+ 0.87	−2 25.0	15 20	.....	+72 8 53.4	....
16	*f* Tauri	9	25 15.28	+ 0.19	[**+38.07**]	26 13 50.32	43.740	+ 0.87	+ 27.9	3 25	.....	+12 37 41.7	....
17	δ Eridani	9	38 17.49	+ 0.23	**+38.08**	48 53 52.22	47.052	+ 0.87	+1 4.9	3 38	.....	−10 4 12.9	....
18	Moon I, S	9	49 34.82	+ 0.17	+38.14	19 35 53.38	45.038	+ 0.87	+ 20.2	3 50 13.13	+71.05	+19 15 16.6	....
	February 17, P.												
19	Venus II, S	9	15 27.07	+ 0.39	+38.60	45 45 51.72	50.179	+ 2.19	+1 2.7	21 16 6.06	− 2.05	− 6 57 23.0	....
	February 18, P.												
20	Sun I, N	9	3 32.63	+ 0.40	+38.61	50 19 56.98	44.432	+ 2.60	+1 13.3	22 4 11.64	+66.44	−11 29 27.8	....
21	Sun II, S	9	5 45.50	+ 0.40	+38.61	50 51 56.92	45.518	+ 2.60	+1 14.8	22 6 24.51	−66.43	−12 1 54.3	....
22	γ^2 Ursæ Minoris s. P.	9	20 13.17	+ 1.47	+38.65	291 1 50.50	47.918	+ 4.53	−2 37.1	15 20 53.29	.....	+72 8 52.7	....
23	δ Eridani	9	38 16.71	+ 0.46	[**+38.60**]	48 53 50.15	46.733	+ 4.56	+1 10.2	3 38 55.83	.....	−10 4 12.5	....
24	ζ Ursæ Minoris s. P.	9	46 35.65	+ 1.97	+38.66	296 57 50.88	43.837	+ 4.58	−1 59.6	15 47 16.28	.....	+78 3 57.3	....
25	*A* Tauri	9	58 42.86	+ 0.32	**+38.67**	16 59 50.35	47.765	+ 4.62	+ 18.8	3 59 21.84	.....	+21 50 14.9	....
26	151 H^1. Cephei	9	7 21.33	− 3.30	+38.66	313 31 50.82	48.310	+ 4.65	−1 4.2	4 7 56.69	.....	+85 19 25.0	....
27	δ Tauri	9	17 5.23	+ 0.34	**+38.65**	21 31 50.25	43.095	+ 4.68	+ 24.3	4 17 44.23	.....	+17 19 56.2	....
28	τ Tauri	9	36 11.28	+ 0.31	**+38.66**	16 3 48.48	45.485	+ 4.74	+ 17.8	4 36 50.26	.....	+22 47 9.8	....
29	ε Ursæ Minoris s. P.	9	54 26.88	+ 2.76	+38.67	301 3 49.85	45.393	+ 4.80	−1 41.4	16 55 8.31	.....	+82 10 50.3	....
30	11 Orionis	9	58 46.37	+ 0.35	**+38.70**	23 33 51.92	45.940	+ 4.81	+ 26.9	4 59 25.39	.....	+15 16 46.8	....
31	ζ Draconis s. P.	9	7 50.71	+ 1.20	+38.67	284 43 48.98	46.530	+ 4.84	−3 49.2	17 8 30.58	.....	+65 49 7.6	....
32	γ Orionis	9	19 39.19	+ 0.39	**+38.67**	32 33 50.95	47.200	+ 4.87	+ 39.4	5 20 18.26	.....	+ 6 16 6.5	....
33	δ Orionis	9	26 45.53	+ 0.42	**+38.65**	39 11 50.02	47.020	+ 4.90	+ 50.3	5 27 24.63	.....	− 0 21 59.6	....
34	ζ Tauri	9	31 37.04	+ 0.32	**+38.66**	17 45 48.65	44.910	+ 4.91	+ 19.8	5 32 16.04	.....	+21 5 20.4	....
35	ζ Orionis	9	35 34.10	+ 0.42	**+38.68**	40 49 49.65	45.460	+ 4.92	+ 53.3	5 36 13.20	.....	− 1 59 26.4	....
36	κ Orionis	9	42 50.40	+ 0.46	**+38.65**	48 31 51.15	46.592	+ 4.95	+1 9.8	5 43 29.54	.....	− 9 42 10.3	....
37	α Orionis	9	49 39.12	+ 0.39	**+38.66**	31 27 49.58	43.830	+ 4.97	+ 37.8	5 50 18.19	.....	+ 7 23 26.1	....
38	Moon I, N	9	50 55.52	+ 0.31	+38.68	13 13 47.95	47.463	+ 4.97	+ 14.6	5 51 34.51	+72.96	+25 36 28.9	....
39	Moon S	.	.. ..	....	.....	13 45 53.02	47.200	+ 4.98	+ 15.2	.. ..	.....	+25 4 27.6	....
40	8 Monocerotis	9	18 21.13	+ 0.40	**+38.78**	34 11 49.98	46.550	+ 5.02	+ 41.9	6 19 0.22	.....	+ 4 38 19.6	....
	February 18, L.												
41	57 B. Ursæ Minoris	9	5 38.72	− 7.16	+38.73	311 17 54.00	45.813	+ 5.24	−1 11.3	15 6 10.29	.....	+87 34 25.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 3 48	29.917	38.0	37.0
15 2 44	29.742	47.2	48.0
3 5	29.738	47.5	47.7
3 28	29.742	47.1	47.0
3 43	29.738	46.9	46.9
16 2 31	29.753	63.3	62.9
2 57	......	....	62.0
3 12	......	....	61.0
3 29	29.753	61.1	60.0
3 52	29.750	60.5	59.1
17 21 16	29.834	28.0	25.3
18 22 6	29.838	28.9	26.2
3 16	29.952	27.2	25.9
3 41	......	....	25.0
4 4	......	....	24.8
4 20	29.984	26.0	24.2
4 50	......	....	24.0
5 15	30.014	25.0	23.5
5 40	......	....	23.0
5 54	......	....	23.0
6 20	30.047	24.6	23.5
15 0	30.174	16.8	15.7

Micrometer bisections are made at II, VI, except as noted below.

3, 15, 22, 24, 26, 29, 31, 41.	Bisections at b_4, b_5, b_6.
5, 18.	Bisections at II, III, IV, V, VI.
7, 8, 34, 37.	Bisections at I, II.
9.	Bisections at I, II, VI.
10.	Bisections at I, II, VII.
13.	Bisections at VI, VII.
16, 23.	Bisections at II, VI, VII.
19.	Bisections at I, II, VI, VII.
20, 38.	Bisections at I, II, III.
21, 39.	Bisections at V, VI, VII.
33.	Bisection at II.

Note.

33, 34. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+24 28.9	+16 10.5	...	+40 39.4
18	+19 35.0	+16 3.1	...	+35 38.1
19	+ 22.5	+ 30.6	...	+ 53.1
20	+ 6.8	−16 13.2	...	−16 6.4
21	+ 6.9	+16 13.2	...	+16 20.1
38	+13 6.3	−15 45.0	...	− 2 38.7
39	+13 37.7	+15 45.0	− 0.1	+29 22.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ^2 Ursæ Minoris........	9	20 14.68	− 0.49	+38.73	326 41 54.12	48.583	+ 5.24	− 41.2	15 20 52.92	.....	+72 8 51.9	....
2	ζ Ursæ Minoris.........	9	46 38.54	− 1.01	+38.74	320 47 54.68	46.280	+ 5.24	− 51.2	15 47 16.27	.....	+78 3 54.0	....
3	151 H^1. Cephei s. p.	9	7 13.28	+ 4.53	+38.74	304 11 55.02	46.347	+ 5.24	−1 32.3	4 7 56.55	.....	+85 19 26.8	....
4	ζ Draconis.............	9	7 51.93	− 0.18	+38.75	333 1 57.08	47.407	+ 5.24	− 32.0	17 8 30.50	.....	+65 49 6.5	....
5	σ Ophiuchi............	9	21 22.82	+ 0.49	**[+38.71]**	34 37 56.28	44.788	+ 5.24	+ 43.6	17 22 2.06	.....	+ 4 12 51.7	....
6	β Ophiuchi............	9	38 21.37	+ 0.50	**[+38.73]**	34 13 56.22	46.978	+ 5.24	+ 42.9	17 39 0.62	.....	+ 4 36 2.4	....
7	ν Ophiuchi............	9	53 23.94	+ 0.57	**[+38.66]**	48 35 56.48	45.669	+ 5.24	+1 11.2	17 54 3.26	.....	− 9 45 56.2	....
8	η Serpentis............	9	15 58.71	+ 0.54	**[+38.69]**	41 45 55.45	45.378	+ 5.24	+ 56.0	18 16 38.00	.....	− 2 55 33.4	....
9	θ Serpentis............	9	51 4.27	+ 0.51	**[+38.61]**	34 45 56.02	44.626	+ 5.24	+ 43.5	18 51 43.54	.....	+ 4 4 55.7	....
10	Mercury C, C.........	9	22 45.67	+ 0.61	+38.76	57 57 57.52	46.405	+ 5.26	+1 39.3	20 23 25.04	− 0.09	−19 8 42.2	....
11	Venus II, S..........	9	13 27.74	+ 0.56	+38.77	45 55 57.05	50.160	+ 5.26	+1 4.0	21 14 7.07	− 2.04	− 7 7 32.3	....
	February 19, L.												
12	Sun I, N.............	9	7 23.59	+ 0.59	+38.78	49 57 58.30	46.385	+ 5.24	+1 13.4	22 8 2.96	+66.35	−11 8 16.5	....
13	Sun II, S............	9	9 36.29	+ 0.59	+38.78	50 29 56.28	47.422	+ 5.24	+1 14.8	22 10 15.66	−66.35	−11 40 39.8	....
14	γ^2 Ursæ Minoris s. p.	9	20 12.64	+ 1.43	+38.81	291 1 55.42	47.780	+ 4.68	−2 37.2	15 20 52.88	.....	+72 8 54.4	....
15	δ Eridani..............	9	38 16.38	+ 0.54	**[+38.83]**	48 53 57.82	46.385	+ 4.71	+1 10.3	3 38 55.74	.....	−10 4 12.5	....
16	ζ Ursæ Minoris s. p.	9	46 35.67	+ 1.90	+38.82	296 57 54.12	43.700	+ 4.73	−1 59.7	15 47 16.39	.....	+78 3 57.3	....
17	151 H^1. Cephei...........	7	7 20.81	− 2.99	+38.82	313 31 56.18	48.120	+ 4.77	−1 4.3	4 7 56.64	.....	+85 19 24.0	....
18	o^2 Eridani..............	9	10 28.08	+ 0.54	**+38.86**	46 37 57.28	45.245	+ 4.78	+1 5.0	4 11 7.44	.....	− 7 47 40.7	....
19	53 Eridani..............	9	33 24.03	+ 0.56	**+38.74**	53 17 56.52	47.740	+ 4.82	+1 22.6	4 34 3.42	.....	−14 28 54.6	....
20	ε Ursæ Minoris s. p.	7	54 26.78	+ 2.63	+38.83	301 3 53.85	45.198	+ 4.86	−1 41.6	16 55 8.24	.....	+82 10 49.7	....
21	ζ Draconis s. p.........	9	7 50.62	+ 1.18	+38.83	284 43 54.92	46.302	+ 4.89	−3 49.3	17 8 30.63	.....	+65 49 8.1	....
22	γ Orionis..............	9	19 38.92	+ 0.47	**+38.85**	32 33 56.85	46.930	+ 4.91	+ 39.4	5 20 18.23	.....	+ 6 16 6.7	....
23	δ Orionis..............	9	26 45.24	+ 0.50	**+38.85**	39 11 58.18	46.645	+ 4.93	+ 50.3	5 27 24.58	.....	− 0 21 59.1	....
24	B. D.+16°821	9	31 5.13	+ 0.42	+38.84	21 59 56.70	44.770	+ 4.94	+ 25.0	5 31 44.39	− 0.05	+16 51 10.5	− 2.3
25	ζ Orionis..............	9	35 33.80	+ 0.51	**+38.88**	40 49 56.32	45.158	+ 4.94	+ 53.3	5 36 13.15	.....	− 1 59 26.2	....
26	κ Orionis..............	9	42 50.11	+ 0.54	**+38.85**	48 31 57.68	46.298	+ 4.96	+1 9.8	5 43 29.49	.....	− 9 42 10.1	....
27	B. D.+16°893	9	45 51.60	+ 0.42	+38.84	22 1 55.70	48.272	+ 4.96	+ 25.0	5 46 30.86	− 0.13	+16 47 51.5	− 2.3
28	α Orionis..............	9	49 38.87	+ 0.47	**+38.82**	31 27 56.85	43.510	+ 4.97	+ 37.8	5 50 18.18	.....	+ 7 23 26.4	....
29	8 Monocerotis...........	9	18 20.94	+ 0.48	**+38.88**	34 11 56.75	46.272	+ 5.03	+ 42.0	6 19 0.27	.....	+ 4 38 19.1	....
30	ν Geminorum...........	9	22 58.27	+ 0.40	**+38.85**	18 33 56.42	47.440	+ 5.04	+ 20.8	6 23 37.52	.....	+20 16 13.9	....
31	γ Geminorum...........	9	31 51.93	+ 0.42	**+38.84**	22 21 56.38	46.160	+ 5.06	+ 25.5	6 32 31.20	.....	+16 28 38.4	....
32	ε Geminorum...........	9	37 44.97	+ 0.38	**+38.85**	13 37 55.72	44.850	+ 5.07	+ 15.0	6 38 24.20	.....	+25 13 19.5	....
33	Moon I, N............	9	52 46.48	+ 0.38	+38.85	12 45 55.05	46.615	+ 5.10	+ 14.1	6 53 25.71	+72.56	+26 4 40.8	....
34	ζ Geminorum...........	9	58 7.66	+ 0.40	**+38.80**	18 7 56.08	47.498	+ 5.11	+ 20.3	6 58 46.91	.....	+20 42 13.3	....
35	δ Geminorum...........	9	14 6.33	+ 0.39	**+38.87**	16 41 55.72	45.620	+ 5.14	+ 18.6	7 14 45.58	.....	+22 8 58.3	....
	February 22, P.												
36	γ^2 Ursæ Minoris s. p.	9	20 12.04	+ 1.45	+39.70	291 1 51.58	47.523	+ 5.52	−2 29.8	15 20 53.19	.....	+72 8 53.0	....
37	ζ Ursæ Minoris s. p.	9	46 34.92	+ 1.96	+39.71	296 57 48.62	43.618	+ 5.52	−1 54.1	15 47 16.59	.....	+78 3 55.9	....
38	151 H^1. Cephei...........	9	7 19.72	− 3.37	+39.71	313 31 46.48	48.328	+ 5.52	−1 1.4	4 7 56.06	.....	+85 19 25.3	....
39	ε Ursæ Minoris s. p.	9	54 26.43	+ 2.76	+39.72	301 3 46.02	45.287	+ 5.52	−1 37.1	16 55 8.91	.....	+82 10 49.0	....
40	ζ Draconis s. p.	9	7 49.98	+ 1.18	+39.72	284 43 44.68	46.235	+ 5.52	−3 39.5	17 8 30.88	.....	+65 49 7.0	....
41	γ Orionis..............	9	19 38.08	+ 0.38	**+39.74**	32 33 44.68	47.505	+ 5.52	+ 37.7	5 20 18.18	.....	+ 6 16 6.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 15 21	......	....	15.8
16 9	30.204	16.1	15.3
17 6	30.230	16.0	15.2
17 23	......	....	15.7
17 39	......	....	17.0
17 51	......	....	18.0
18 14	......	....	19.0
18 52	30.282	21.7	19.9
20 24	30.286	25.0	23.2
21 13	30.286	27.2	25.1
19 22 10	30.292	28.2	27.2
3 21	30.216	30.3	29.4
3 48	......	....	28.2
4 11	30.226	28.7	27.8
4 35	......	....	27.0
5 9	......	....	27.0
5 21	30.250	27.3	26.8
5 51	......	....	26.3
6 19	......	....	26.1
6 35	30.260	27.0	26.1
6 59	......	....	25.8
7 15	30.258	26.3	25.2
22 3 18	29.780	46.3	45.3
3 50	......	....	43.9
4 12	29.792	43.6	42.8
4 52	29.807	41.8	41.0
5 15	......	....	40.2

Micrometer bisections are made at II, VI, except as noted below.

1–3, 17, 20, 36, 38–40.	Bisections at b_4, b_5, b_6.
4, 14, 16.	Bisections at III, IV, V.
7–11.	Bisections at I, II, VI, VII.
12.	Bisections at I, II, III.
13.	Bisections at V, VI, VII.
21.	Bisections at II, III, V, VI.
33.	Bisections at II, III, IV, V, VI.
37.	Bisections at I, II, b_4.

Notes.

7.	Very unsteady.
22–25, 27.	Thin clouds.
24, 27.	Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 7.8	.. ....	− 0.3	+ 7.5
11	+ 22.5	+ 30.4	...	+ 52.9
12	+ 6.8	−16 11.7	...	−16 4.9
13	+ 6.8	+16 11.6	...	+16 18.4
33	+12 31.8	−15 38.1	...	− 3 6.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Orionis	9	26 44.43	+ 0.41	**+39.71**	39 11 50.68	47.012	+ 5.52	+ 48.2	5 27 24.57	.....	− 0 21 58.4	....
2	B. D.+16°821	9	31 4.31	+ 0.33	+39.73	21 59 49.10	45.078	+ 5.52	+ 23.9	5 31 44.37	− 0.01	+16 51 11.6	− 2.4
3	ζ Orionis	9	35 32.99	+ 0.42	**+39.74**	40 49 49.20	45.550	+ 5.52	+ 51.1	5 36 13.14	.....	− 1 59 26.4	....
4	κ Orionis	9	42 49.29	+ 0.45	**+39.72**	48 31 49.32	46.782	+ 5.52	+1 6.9	5 43 29.47	.....	− 9 42 10.5	....
5	B. D.+16°893	9	45 50.74	+ 0.33	+39.73	22 1 46.58	48.685	+ 5.52	+ 24.0	5 46 30.80	− 0.09	+16 47 51.6	− 2.4
6	α Orionis	9	49 38.01	+ 0.37	**+39.74**	31 27 48.18	43.920	+ 5.52	+ 36.2	5 50 18.11	.....	+ 7 23 26.7	....
7	B. D.+16°1076	9	11 46.86	+ 0.33	+39.73	21 55 47.10	45.472	+ 5.52	+ 23.9	6 12 26.92	− 0.23	+16 55 4.6	− 2.5
8	B. D.+17°1232	9	18 0.87	+ 0.33	+39.74	21 45 45.52	44.625	+ 5.52	+ 23.7	6 18 40.94	− 0.27	+17 5 25.7	− 2.5
9	ε Hydræ	9	41 21.34	+ 0.39	**+39.77**	32 5 46.88	45.220	+ 6.05	+ 37.3	8 42 1.49	.....	+ 6 44 56.7	....
10	ζ Hydræ	9	49 58.94	+ 0.39	**+39.79**	32 33 48.42	44.195	+ 6.05	+ 38.1	8 50 39.09	.....	+ 6 17 17.8	....
11	α Hydræ	9	22 30.59	+ 0.47	**+39.72**	47 5 46.82	46.915	+ 6.05	+1 4.3	9 23 10.83	.....	− 8 16 9.0	....
12	ξ Leonis	9	26 26.60	+ 0.36	**+39.74**	27 7 50.78	48.102	+ 6.05	+ 30.6	9 27 6.73	.....	+11 41 53.6	....
13	Moon I, N	9	45 5.05	+ 0.34	+39.78	20 17 45.48	47.750	+ 6.05	+ 22.1	9 45 45.17	+66.60	+18 32 15.4	....
14	ζ Leonis	9	11 2.23	+ 0.30	**+39.80**	14 57 45.98	48.875	+ 6.05	+ 16.0	10 11 42.31	.....	+23 51 55.3	....
15	ρ Leonis	9	27 25.20	+ 0.37	**+39.80**	29 3 46.70	47.525	+ 6.05	+ 33.3	10 28 5.35	.....	+ 9 46 8.2	....
	February 22, L.												
16	ε Ursæ Minoris	9	54 30.81	− 1.76	+39.80	316 39 48.00	49.597	+ 6.46	− 56.0	16 55 8.85	.....	+82 10 48.2	....
17	ζ Draconis	9	7 51.13	− 0.21	+39.80	333 1 50.72	47.572	+ 6.46	− 30.2	17 8 30.72	.....	+65 49 6.0	....
18	σ Ophiuchi	9	21 21.92	+ 0.40	[**+39.82**]	34 37 51.38	45.077	+ 6.46	+ 41.1	17 22 2.12	.....	+ 4 12 51.3	....
19	η Serpentis	9	15 57.87	+ 0.43	[**+39.75**]	41 45 50.28	45.711	+ 6.46	+ 53.1	18 16 38.11	.....	− 2 55 34.1	....
20	3 H. Scuti	9	29 37.18	+ 0.45	[**+39.78**]	47 7 52.22	47.940	+ 6.46	+1 4.1	18 30 17.45	.....	− 8 18 38.0	....
	February 24, P.												
21	Moon N	.	.. ..	....	.....	30 3 46.18	45.777	+ 5.30	+ 35.8	.. ..	.....	+ 8 46 43.0	....
22	Moon II, S	9	25 30.02	+ 0.43	+40.41	30 33 43.25	47.188	+ 5.30	+ 36.6	11 26 10.86	−62.66	+ 8 16 20.5	....
23	η Virginis	9	14 37.88	+ 0.47	**+40.47**	38 59 52.95	47.165	+ 5.51	+ 50.2	12 15 18.77	.....	− 0 10 6.2	....
24	ρ Virginis	9	36 39.68	+ 0.41	**+40.44**	28 5 52.90	48.270	+ 5.51	+ 33.1	12 37 20.52	.....	+10 43 45.7	....
25	35 Virginis	9	42 36.24	+ 0.45	**+40.41**	34 45 52.50	47.968	+ 5.51	+ 43.0	12 43 17.12	.....	+ 4 3 43.1	....
26	δ Virginis	9	50 23.98	+ 0.45	**+40.38**	34 57 53.82	44.355	+ 5.51	+ 43.4	12 51 4.86	.....	+ 3 53 3.9	....
27	ε Virginis	9	57 1.64	+ 0.41	**+40.44**	27 23 51.55	46.652	+ 5.51	+ 32.2	12 57 42.48	.....	+11 26 24.9	....
28	θ Virginis	9	4 36.91	+ 0.49	**+40.44**	43 53 51.68	45.555	+ 5.51	+ 59.6	13 5 17.83	.....	− 5 3 37.5	....
29	γ^2 Ursæ Minoris	9	20 13.39	− 0.41	+40.46	326 41 53.15	48.530	+ 5.88	− 40.7	15 20 53.44	.....	+72 8 52.2	....
30	ζ Ursæ Minoris	9	46 37.64	− 0.90	+40.47	320 47 53.10	46.231	+ 5.88	− 50.7	15 47 17.21	.....	+78 3 54.4	....
31	151 H^1. Cephei s. p.	9	7 10.50	+ 4.27	+40.47	304 11 51.85	46.395	+ 5.88	−1 31.3	4 7 55.24	.....	+85 19 26.3	....
32	ε Ursæ Minoris	9	54 30.48	− 1.75	+40.48	316 41 52.88	44.310	+ 5.88	− 58.8	16 55 9.21	.....	+82 10 47.5	....
33	ζ Draconis	9	7 50.66	− 0.17	+40.48	333 1 53.75	47.508	+ 5.88	− 31.7	17 8 30.97	.....	+65 49 6.2	....
34	σ Ophiuchi	9	21 21.23	+ 0.48	[**+40.49**]	34 37 53.60	44.935	+ 5.88	+ 43.3	17 22 2.19	.....	+ 4 12 50.6	....
35	β Ophiuchi	9	38 19.81	+ 0.48	[**+40.48**]	34 13 54.32	47.090	+ 5.88	+ 42.6	17 39 0.78	.....	+ 4 36 1.4	....
36	ν Ophiuchi	9	53 22.33	+ 0.55	[**+40.47**]	48 35 53.55	45.842	+ 5.88	+1 10.9	17 54 3.37	.....	− 9 45 57.6	....
37	η Serpentis	9	15 57.12	+ 0.52	[**+40.47**]	41 45 52.72	45.510	+ 5.88	+ 55.8	18 16 38.13	.....	− 2 55 34.1	....
38	3 H. Scuti	9	29 36.53	+ 0.55	[**+40.39**]	47 7 52.00	47.912	+ 5.88	+1 7.3	18 30 17.58	.....	− 8 18 39.6	....
39	Mercury C, C	9	50 47.12	+ 0.59	+40.53	57 13 51.10	41.832	+ 5.43	+1 36.0	20 51 28.24	− 0.06	−18 22 48.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 5 40	......	....	39.8
5 56	29.813	40.0	39.2
6 20	29.826	39.8	39.0
8 39	29.807	37.2	36.7
8 54	......	....	35.6
9 21	......	....	34.2
9 30	......	....	34.2
9 43	29.771	35.2	34.1
10 8	......	....	33.8
10 29	29.750	34.2	33.2
16 56	......	....	35.9
17 19	29.852	36.0	37.0
18 17	......	....	37.9
18 31	......	....	38.0
18 45	29.910	39.0	....
24 11 26	30.100	24.0	23.0
12 16	......	....	22.3
12 30	30.090	23.5	22.2
12 55	......	....	22.0
13 6	30.090	23.0	22.0
15 17	30.118	21.0	20.0
15 50	......	....	19.1
16 10	30.130	20.1	19.0
16 52	30.153	19.5	18.1
17 12	......	....	18.0
17 30	......	....	18.1
17 56	......	....	19.0
18 20	30.196	22.0	19.8
18 52	30.207	22.8	21.0
20 51	30.236	26.0	24.0

Micrometer bisections are made at II, VI, except as noted below.

13.	Bisections at II, III, IV, V, VI.
16, 32.	Bisections at III, IV, V.
17.	Bisections at II, III, V, VI.
18.	Bisections at II, VI, VII.
19, 20, 29, 30, 33, 39.	Bisections at I, II, VI, VII.
21.	Bisections at I, II, III.
22.	Bisections at V, VI, VII.
31.	Bisections at b_4, b_5, b_6.
38.	Bisections at VI, VII.

Note.
16–18. Diffuse.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+19 13.8	−15 13.6	...	+ 4 0.2
21	+27 22.6	−14 58.7	+ 0.1	+12 24.0
22	+27 47.8	+14 58.7	...	+42 46.5
39	+ 7.0	.. ....	− 0.3	+ 6.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Venus II, S.	9	4 23.26	+ 0.54	+40.53	47 1 53.80	45.801	+ 5.43	+1 6.4	21 5 4.33	− 1.92	− 8 11 52.0	....
	February 25, P.												
2	Sun I, S.	8	30 15.66	+ 0.53	+40.54	48 19 57.20	45.600	+ 5.44	+1 9.2	22 30 56.73	+65.83	− 9 29 53.5	....
3	Sun II, N.	9	32 27.32	+ 0.53	+40.54	47 47 57.92	44.608	+ 5.44	+1 7.9	22 33 8.39	−65.83	− 8 57 30.4	....
4	ζ Ursæ Minoris s. p.	9	46 34.50	+ 1.94	+40.61	296 57 52.72	43.707	+ 5.18	−1 59.9	15 47 17.05	.....	+78 3 56.5	....
5	151 H¹. Cephei	9	7 17.33	− 3.09	+40.61	313 31 52.90	48.178	+ 5.18	−1 4.4	4 7 54.85	.....	+85 19 25.6	....
6	ε Ursæ Minoris s. p.	9	54 26.22	+ 2.69	+40.62	301 3 51.55	45.237	+ 5.18	−1 41.7	16 55 9.52	.....	+82 10 48.5	....
7	ζ Draconis s. p.	9	7 49.17	+ 1.20	+40.62	284 43 47.85	46.590	+ 5.18	−3 49.8	17 8 30.99	.....	+65 49 7.6	....
8	γ Orionis	9	19 37.09	+ 0.46	**+40.60**	32 33 54.28	46.998	+ 5.18	+ 39.5	5 20 18.17	.....	+ 6 16 7.3	....
9	δ Orionis	9	26 43.40	+ 0.49	**+40.61**	39 11 56.65	46.675	+ 5.18	+ 50.4	5 27 24.52	.....	− 0 21 58.6	....
10	B. D.+16°821	9	31 3.27	+ 0.41	+40.63	21 59 50.40	44.990	+ 5.18	+ 25.0	5 31 44.31	+ 0.04	+16 51 11.6	− 2.5
11	ζ Orionis	9	35 31.98	+ 0.50	**+40.62**	40 49 49.65	45.430	+ 5.18	+ 53.4	5 36 13.11	.....	− 1 59 26.1	....
12	κ Orionis	9	42 48.24	+ 0.53	**+40.64**	48 31 51.82	46.565	+ 5.18	+1 9.9	5 43 29.40	.....	− 9 42 10.7	....
13	B. D.+16°893	9	45 49.74	+ 0.41	+40.63	22 1 49.52	48.535	+ 5.18	+ 25.1	5 46 30.78	− 0.04	+16 47 51.3	− 2.5
14	α Orionis	9	49 37.01	+ 0.45	**+40.61**	31 27 51.38	43.730	+ 5.18	+ 37.8	5 50 18.09	.....	+ 7 23 26.6	....
15	B. D.+16°1076	9	11 45.88	+ 0.41	+40.63	21 55 52.62	45.195	+ 5.18	+ 25.0	6 12 26.92	− 0.19	+16 55 4.6	− 2.6
16	B. D.+17°1232	9	17 59.89	+ 0.41	+40.64	21 45 52.08	44.300	+ 5.18	+ 24.8	6 18 40.94	− 0.22	+17 5 25.8	− 2.6
17	ρ Leonis	9	27 24.21	+ 0.46	**+40.72**	29 3 49.68	47.378	+ 5.22	+ 34.7	10 28 5.35	.....	+ 9 46 8.0	....
18	41 Leonis Minoris	9	37 51.48	+ 0.38	**+40.75**	15 11 50.02	44.462	+ 5.22	+ 17.0	10 38 32.55	.....	+23 39 31.9	....
19	d Leonis	9	55 14.53	+ 0.48	**+40.67**	34 43 51.28	47.350	+ 5.22	+ 43.2	10 55 55.70	.....	+ 4 5 58.5	....
20	θ Leonis	9	8 50.98	+ 0.43	**+40.70**	22 55 51.12	44.833	+ 5.22	+ 26.4	11 9 32.10	.....	+15 55 13.0	....
21	δ Crateris	9	14 9.97	+ 0.57	**+40.69**	53 7 50.95	44.345	+ 5.22	+1 23.0	11 14 51.23	.....	−14 17 32.1	....
22	τ Leonis	9	22 38.26	+ 0.49	**+40.67**	35 29 50.95	44.498	+ 5.22	+ 44.5	11 23 19.44	.....	+ 3 21 2.7	....
23	Moon II, S.	9	11 1.18	+ 0.50	+40.70	35 59 52.52	45.692	+ 5.22	+ 45.3	12 11 42.38	−61.54	+ 2 50 33.0	....
24	η Virginis	9	14 37.63	+ 0.50	**+40.70**	38 59 50.92	47.235	+ 5.22	+ 50.5	12 15 18.83	.....	− 0 10 5.8	....
	February 25, L.												
25	γ² Ursæ Minoris	.	.. ..	....	.....	326 41 51.52	48.637	+ 5.62	− 40.8	15 20	.....	+72 8 52.1	....
26	ζ Ursæ Minoris	9	46 37.30	− 0.95	+40.69	320 47 53.45	46.285	+ 5.62	− 50.7	15 47 17.04	.....	+78 3 54.1	....
27	151 H¹. Cephei s. p.	9	7 9.39	+ 4.48	+40.69	304 11 52.55	46.413	+ 5.62	−1 31.4	4 7 54.56	.....	+85 19 27.1	....
28	ε Ursæ Minoris	9	54 30.51	− 1.77	+40.70	316 41 53.50	44.318	+ 5.62	− 58.7	16 55 9.44	.....	+82 10 47.1	....
29	ζ Draconis	9	7 50.33	− 0.16	+40.70	333 1 54.62	47.535	+ 5.62	− 31.6	17 8 30.87	.....	+65 49 5.3	....
30	σ Ophiuchi	9	21 21.01	+ 0.50	[**+40.72**]	34 37 57.90	44.752	+ 5.62	+ 43.2	17 22 2.22	.....	+ 4 12 50.9	....
31	β Ophiuchi	9	38 19.54	+ 0.50	[**+40.76**]	34 13 56.38	47.018	+ 5.62	+ 42.5	17 39 0.75	.....	+ 4 36 1.4	....
32	ν Ophiuchi	9	53 22.09	+ 0.57	[**+40.72**]	48 35 57.22	45.699	+ 5.62	+1 10.7	17 54 3.37	.....	− 9 45 57.5	....
33	η Serpentis	9	15 56.93	+ 0.54	[**+40.67**]	41 45 56.35	45.359	+ 5.62	+ 55.6	18 16 38.19	.....	− 2 55 33.8	....
34	3 H. Scuti	9	29 36.23	+ 0.56	[**+40.71**]	47 7 56.50	47.646	+ 5.62	+1 6.9	18 30 17.51	.....	− 8 18 37.5	....
35	Venus II, S.	9	3 24.58	+ 0.56	+40.72	47 11 56.60	47.296	+ 6.04	+1 5.9	21 4 5.86	− 1.90	− 8 22 29.0	....
	February 26, L.												
36	Sun I, S.	9	34 2.42	+ 0.56	+40.74	47 57 59.62	44.603	+ 5.81	+1 7.1	22 34 43.72	+65.62	− 9 7 31.4	....
37	Sun II, N.	9	36 13.67	+ 0.56	+40.74	47 25 59.05	43.943	+ 5.81	+1 5.9	22 36 54.97	−65.63	− 8 35 14.7	....
38	τ Leonis	9	22 38.10	+ 0.47	**+40.87**	35 29 56.08	44.380	+ 5.28	+ 42.9	11 23 19.43	.....	+ 3 21 1.8	....
39	η Virginis	9	14 37.47	+ 0.49	**+40.89**	38 59 56.90	47.068	+ 5.28	+ 48.7	12 15 18.83	.....	− 0 10 6.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 21 4	30.243	27.0	25.2
25 22 32	30.246	27.7	27.2
3 44	30.253	29.0	28.1
4 11	.....	....	27.7
4 52	30.270	27.0	26.8
5 10	.....	....	26.2
5 40	30.278	26.5	26.0
5 53	.....	....	25.9
6 20	30.286	25.5	25.3
10 25	30.326	23.0	23.1
10 40	.....	....	23.0
11 0	.....	....	23.1
11 25	30.327	22.8	23.0
12 17	30.331	23.0	23.1
15 21	30.340	22.0	22.0
15 49	.....	....	22.0
16 10	.....	....	21.9
16 57	30.350	22.0	21.9
17 9	.....	....	21.9
17 36	.....	....	23.0
17 55	.....	....	23.3
18 18	.....	....	24.4
18 31	.....	....	25.9
18 48	30.392	26.0	....
21 3	30.394	33.7	33.9
26 22 36	30.366	36.4	37.3
11 24	30.176	37.3	37.1
12 16	....	....	37.1

Micrometer bisections are made at II, VI, except as noted below.

1, 32–35.	Bisections at I, II, VI, VII.
2, 36.	Bisections at I, II, III.
3, 25, 37.	Bisections at V, VI, VII.
4–7, 27, 28.	Bisections at b_4, b_5, b_6.
20, 21, 31.	Bisections at II, VI, VII.
23.	Bisections at II, III, IV, V, VI.
26.	Bisections at III, IV, V.
29.	Bisections at III, V.

Notes.

12. Circle reading increased 20′.

38, 39. Thick haze

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 21.4	+ 28.5	...	+ 49.9
2	+ 6.6	+16 11.5	...	+16 18.1
3	+ 6.6	−16 11.6	...	−16 5.0
23	+31 56.3	+14 53.5	...	+46 49.8
35	+ 21.2	+ 28.2	...	+ 49.4
36	+ 6.6	+16 8.3	...	+16 14.9
37	+ 6.5	−16 8.3	...	−16 1.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Corvi	9	24 31.64	+ 0.56	**+40.85**	54 49 54.55	47.715	+ 5.28	+1 25.2	12 25 13.07	.....	−16 0 55.1	....
2	ρ Virginis	9	36 39.27	+ 0.44	**+40.85**	28 5 55.88	48.230	+ 5.28	+ 32.1	12 37 20.58	.....	+10 43 44.9	....
3	Jupiter I, C	5	50 35.84	+ 0.50	+40.87	42 37 55.68	46.110	+ 5.28	+ 55.4	12 51 17.21	+ 1.45	− 3 49 32.8	....
4	Jupiter II	5	50 38.75	+ 0.50	+40.87	... .	......	....	. ....	12 51 20.12	− 1.46	.. ..	....
5	Moon II, S	9	55 23.12	+ 0.51	+40.87	41 29 54.72	44.424	+ 5.28	+ 53.1	12 56 4.50	−61.12	− 2 39 8.1	....
6	θ Virginis	9	4 36.49	+ 0.51	**+40.89**	43 53 55.68	45.480	+ 5.28	+ 57.8	13 5 17.88	.....	− 5 3 37.8	....
7	α Virginis	9	19 46.09	+ 0.53	**+40.89**	49 31 56.25	44.842	+ 5.28	+1 10.3	13 20 27.50	.....	−10 41 36.2	....
8	ζ Virginis	9	29 25.52	+ 0.49	**+40.86**	38 57 56.00	47.618	+ 5.28	+ 48.6	13 30 6.89	.....	− 0 8 17.8	....
	March 3, M.												
9	ε Ursæ Minoris s. p.	9	54 25.44	+ 2.34	+42.39	301 3 47.12	45.088	+ 5.18	−1 35.2	16 55 10.17	.....	+82 10 47.1	....
10	γ Orionis	9	19 35.53	+ 0.19	**+42.33**	32 33 50.10	47.350	+ 5.18	+ 36.9	5 20 18.11	.....	+ 6 16 6.1	....
11	δ Orionis	9	26 41.81	+ 0.21	**+42.38**	39 11 49.88	47.170	+ 5.18	+ 47.1	5 27 24.41	.....	− 0 22 0.0	....
12	158 H¹. Cephei	9	32 22.89	− 2.94	+42.39	313 41 50.15	47.602	+ 5.18	−1 0.1	5 33 2.34	.....	+85 9 37.2	....
13	ζ Orionis	8	35 30.38	+ 0.21	**+42.42**	40 49 47.98	45.718	+ 5.18	+ 49.9	5 36 12.98	.....	− 1 59 27.3	....
14	κ Orionis	9	42 46.63	+ 0.23	**+42.45**	48 31 49.70	46.892	+ 5.18	+1 5.3	5 43 29.26	.....	− 9 42 11.4	....
15	α Orionis	9	49 35.42	+ 0.19	**+42.37**	31 27 48.52	44.022	+ 5.18	+ 35.3	5 50 18.01	.....	+ 7 23 25.3	....
16	δ Ursæ Minoris s. p.	7	0 25.43	+ 4.98	+42.40	305 29 46.98	43.557	+ 5.18	−1 20.4	18 1 12.81	.....	+86 36 26.8	....
17	8 Monocerotis	9	18 17.48	+ 0.20	**+42.45**	34 11 49.32	46.762	+ 5.18	+ 39.2	6 19 0.08	.....	+ 4 38 18.0	....
	March 3, P.												
18	ζ Ursæ Minoris	9	46 36.14	− 1.05	+42.47	320 47 46.48	46.468	+ 5.06	− 47.9	15 47 17.56	.....	+78 3 54.8	....
19	151 H¹. Cephei s. p.	9	7 7.22	+ 3.88	+42.47	304 11 45.90	46.442	+ 5.14	−1 26.3	4 7 53.57	.....	+85 19 25.7	....
20	λ Ophiuchi	9	25 39.53	+ 0.21	**+42.45**	36 39 45.12	45.900	+ 5.21	+ 44.0	16 26 22.22	.....	+ 2 10 37.0	....
21	Moon II, S	9	52 57.21	+ 0.30	+42.47	63 33 50.68	47.096	+ 5.30	+1 58.6	16 53 39.98	−68.16	−24 45 10.5	....
22	η Ophiuchi	9	4 29.67	+ 0.26	[**+42.47**]	54 25 46.78	48.295	+ 5.36	+1 22.6	17 5 12.41	.....	−15 36 58.0	....
23	ζ Draconis	9	7 49.21	− 0.34	+42.48	333 1 46.65	47.800	+ 5.38	− 29.9	17 8 31.35	.....	+65 49 5.6	....
24	σ Ophiuchi	9	21 19.68	+ 0.20	[**+42.53**]	34 37 48.35	45.312	+ 5.42	+ 40.9	17 22 2.37	.....	+ 4 12 50.2	....
25	ξ Serpentis	9	31 42.61	+ 0.26	[**+42.41**]	54 9 44.82	47.652	+ 5.46	+1 21.8	17 32 25.36	.....	−15 20 40.7	....
26	β Ophiuchi	9	38 18.23	+ 0.20	[**+42.55**]	34 13 46.15	47.582	+ 5.48	+ 40.3	17 39 0.92	.....	+ 4 36 1.0	....
27	ν Ophiuchi	9	53 20.83	+ 0.25	[**+42.48**]	48 35 48.05	46.368	+ 5.55	+1 7.0	17 54 3.57	.....	− 9 45 59.9	....
28	δ Ursæ Minoris	9	0 34.72	− 4.57	+42.50	312 15 44.60	45.817	+ 5.57	−1 4.7	18 1 12.65	.....	+86 36 27.8	....
29	μ Sagittarii	9	7 39.22	+ 0.28	+42.50	59 53 46.72	47.785	+ 5.59	+1 41.8	18 8 22.00	.....	−21 5 5.7	....
30	η Serpentis	9	15 55.59	+ 0.23	[**+42.49**]	41 45 45.25	46.038	+ 5.63	+ 52.8	18 16 38.32	.....	− 2 55 35.4	....
31	λ Sagittarii	9	21 41.22	+ 0.29	+42.50	64 17 47.05	45.120	+ 5.65	+2 2.3	18 22 24.01	.....	−25 28 25.7	....
32	3 H. Scuti	9	29 34.90	+ 0.24	[**+42.53**]	47 7 48.00	48.248	+ 5.68	+1 3.6	18 30 17.64	.....	− 8 18 39.5	....
33	θ Serpentis	9	51 1.01	+ 0.20	[**+42.51**]	34 45 47.55	45.205	+ 5.74	+ 40.9	18 51 43.72	.....	+ 4 4 53.1	....
34	Venus II, N	9	1 1.85	+ 0.27	+42.51	48 10 9.78	46.351	+ 5.62	+1 5.3	21 1 44.63	− 1.75	− 9 20 19.6	....
35	Mercury C, C	9	28 24.97	+ 0.30	+42.52	55 20 8.02	43.378	+ 5.62	+1 24.2	21 29 7.79	− 0.04	−16 29 28.8	....
	March 4, P.												
36	Sun I, S	9	56 30.77	+ 0.27	+42.54	45 42 1.15	43.835	+ 5.56	+ 59.3	22 57 13.58	+65.24	− 6 51 7.3	....
37	Sun II, N	9	58 41.24	+ 0.27	+42.54	45 9 58.58	43.147	+ 5.56	+ 58.2	22 59 24.05	−65.23	− 6 18 48.1	....
38	ε Ursæ Minoris s. p.	9	54 25.47	+ 2.49	+42.60	301 3 50.15	45.062	+ 4.57	−1 35.6	16 55 10.56	.....	+82 10 48.6	....
39	ζ Draconis s. p.	9	7 47.77	+ 1.03	+42.60	284 43 49.00	45.920	+ 4.57	−3 35.8	17 8 31.40	.....	+65 49 6.8	....
40	γ Orionis	9	19 35.18	+ 0.22	**+42.63**	32 33 53.48	47.175	+ 4.57	+ 37.1	5 20 18.00	.....	+ 6 16 7.1	....
41	δ Orionis	9	26 41.49	+ 0.24	**+42.65**	39 11 54.08	46.932	+ 4.57	+ 47.4	5 27 24.33	.....	− 0 21 58.3	....
42	B. D.+16°821	9	31 1.33	+ 0.18	+42.60	21 59 48.38	45.198	+ 4.57	+ 23.5	5 31 44.11	+ 0.16	+16 51 10.9	− 2.3
43	ζ Orionis	9	35 30.13	+ 0.25	**+42.61**	40 49 49.68	45.620	+ 4.57	+ 50.3	5 36 12.99	.....	− 1 59 26.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 12 26	30.144	37.3	37.1
12 44	......	....	37.1
13 17	......	....	36.9
13 31	30.092	37.1	36.8
3 4 54	29.862	52.6	51.8
5 20	......	....	51.7
5 43	29.872	51.8	52.1
6 18	29.884	51.5	53.0
15 48	29.934	44.0	43.0
16 10	......	....	42.2
16 37	29.944	43.1	42.0
16 55	......	....	42.0
17 24	......	....	41.5
17 45	29.962	43.0	42.0
18 10	......	....	42.1
18 28	......	....	43.0
18 53	29 994	45.0	44.0
20 58	30.026	50.1	48.5
21 29	30.024	51.0	49.3
4 22 59	30.040	53.6	53.5
4 52	29.984	52.2	51.8
5 12	......	....	51.0
5 40	29.986	50.5	50.1

Micrometer bisections are made at II, VI, except as noted below.

3.	Z. D. threads A used.
3, 34, 35.	Bisections at I, II, VI, VII.
5, 21.	Bisections at II, III, IV, V, VI.
9, 12, 16, 18, 19, 28, 38, 39.	Bisections at b_1, b_5, b_6.
11.	Bisections at I, II.
13.	Bisections at VI, VII.
23.	Bisections at II, IV, VI.
36.	Bisections at I, II, III.
37.	Bisections at V, VI, VII.

Notes.

1,2. Very faint; poor.
6. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 1.3	.. ....	...	+ 1.3
5	+35 50.5	+14 49.1	...	+50 39.6
21	+49 14.5	+15 2.4	...	+64 16.9
34	+ 19.8	− 25.8	...	− 6.0
35	+ 6.4	.. ....	− 0.2	+ 6.2
36	+ 6.3	+16 9.6	...	+16 15.9
37	+ 6.3	−16 9.6	...	−16 3.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Orionis	9	42 46.44	+ 0.27	**+42.58**	48 31 51.92	46.755	+ 4.57	+1 5.8	5 43 29.32	.....	− 9 42 10.4	....
2	B. D.+16°893	9	45 47.79	+ 0.18	+42.61	22 1 52.02	48.505	+ 4.57	+ 23.6	5 46 30.58	+ 0.07	+16 47 51.7	− 2.4
3	α Orionis	9	49 35.07	+ 0.22	**+42.67**	31 27 50.25	43.895	+ 4.57	+ 35.6	5 50 17.90	.....	+ 7 23 26.8	....
4	δ Ursæ Minoris s. p.	9	0 25.11	+ 5.29	+42.61	305 29 49.52	43.563	+ 4.57	−1 21.2	18 1 13.01	.....	+86 36 28.1	....
5	B. D.+16°1076	9	11 44.01	+ 0.18	+42.61	21 55 51.60	45.325	+ 4.57	+ 23.5	6 12 26.80	− 0.08	+16 55 4.8	− 2.5
6	B. D.+17°1232	9	17 57.99	+ 0.18	+42.61	21 45 51.70	44.400	+ 4.57	+ 23.3	6 18 40.78	− 0.12	+17 5 26.0	− 2.5
	March 4, L.												
7	η Virginis	9	14 36.00	+ 0.30	**+42.64**	38 59 54.32	47.242	+ 5.22	+ 48.1	12 15 18.93	.....	− 0 10 6.9	....
8	35 Virginis	9	42 34.33	+ 0.28	**+42.64**	34 45 53.08	48.042	+ 5.22	+ 41.3	12 43 17.24	.....	+ 4 3 42.8	....
9	Jupiter I, C	5	48 33.76	+ 0.31	+42.63	42 23 52.95	46.625	+ 5.22	+ 54.3	12 49 16.70	+ 1.48	− 3 35 40.6	....
10	Jupiter II	5	48 36.71	+ 0.31	+42.63	... .	......	....	. ....	12 49 19.65	− 1.47	.. ..	....
11	θ Virginis	9	4 35.12	+ 0.31	**+42.58**	43 53 54.65	45.542	+ 5.22	+ 57.2	13 5 18.07	.....	− 5 3 37.5	....
12	α Virginis	9	19 44.66	+ 0.32	**+42.66**	49 31 55.08	44.918	+ 5.22	+1 9.6	13 20 27.62	.....	−10 41 36.0	....
13	ζ Virginis	9	29 24.13	+ 0.29	**+42.59**	38 57 54.02	47.715	+ 5.22	+ 48.1	13 30 7.06	.....	− 0 8 17.4	....
14	m Virginis	9	36 10.84	+ 0.32	**+42.60**	47 5 54.60	43.740	+ 5.22	+1 3.9	13 36 53.80	.....	− 8 15 3.0	....
15	151 H¹. Cephei s. p.	9	7 5.83	+ 3.74	+42.67	304 11 51.72	46.247	+ 5.38	−1 27.2	4 7 52.24	.....	+85 19 26.4	....
16	τ Scorpii	9	29 33.36	+ 0.39	+42.68	66 49 52.88	47.840	+ 5.38	+2 18.9	16 30 16.43	.....	−28 1 50.0	....
17	24 Scorpii	9	35 38.64	+ 0.36	+42.68	56 23 52.25	45.790	+ 5.38	+1 29.7	16 36 21.68	+ 0.34	−17 34 13.4	+ 5.4
18	ε Ursæ Minoris	9	54 29.71	− 1.58	+42.68	316 41 52.02	44.268	+ 5.38	− 56.0	16 55 10.81	.....	+82 10 47.3	....
19	η Ophiuchi	9	4 29.43	+ 0.36	**[+42.64]**	54 25 52.50	48.010	+ 5.38	+1 23.3	17 5 12.48	.....	−15 36 58.1	....
20	ζ Draconis	9	7 48.93	− 0.22	+42.69	333 1 51.65	47.610	+ 5.38	− 30.2	17 8 31.40	.....	+65 49 5.4	....
21	σ Ophiuchi	9	21 19.48	+ 0.30	**[+42.66]**	34 37 53.32	45.060	+ 5.38	+ 41.2	17 22 2.47	.....	+ 4 12 50.7	....
22	ξ Serpentis	9	31 42.33	+ 0.36	**[+42.62]**	54 9 52.68	47.249	+ 5.38	+1 22.5	17 32 25.38	.....	−15 20 39.9	....
23	β Ophiuchi	9	38 18.01	+ 0.30	**[+42.70]**	34 13 52.55	47.288	+ 5.38	+ 40.6	17 39 1.00	.....	+ 4 36 1.1	....
24	Moon II	9	48 41.95	+ 0.40	+42.69	65 18	......	....	. ....	17 49 25.04	−70.23	.. ..	....
25	ν Ophiuchi	9	53 20.59	+ 0.34	**[+42.66]**	48 35 53.78	46.002	+ 5.38	+1 7.7	17 54 3.63	.....	− 9 45 57.8	....
26	δ Ursæ Minoris	7	0 34.81	− 4.19	+42.70	312 15 49.28	45.643	+ 5.38	−1 5.4	18 1 13.32	.....	+86 36 27.9	....
27	θ Serpentis	9	51 0.82	+ 0.30	**[+42.63]**	34 45 52.28	44.962	+ 5.38	+ 41.3	18 51 43.83	.....	+ 4 4 54.0	....
	March 5, L.												
28	Sun I, N	9	0 13.72	+ 0.34	+42.74	44 45 54.38	45.840	+ 5.72	+ 57.2	23 0 56.80	+65.20	− 5 55 44.4	....
29	Sun II, S	9	2 24.11	+ 0.34	+42.74	45 17 54.68	46.528	+ 5.72	+ 58.3	23 3 7.19	−65.19	− 6 28 1.8	....
30	ε Ursæ Minoris s. p.	9	54 25.72	+ 2.16	+42.80	301 3 50.80	45.013	+ 4.16	−1 34.6	16 55 10.68	.....	+82 10 48.7	....
31	ζ Draconis s. p.	9	7 47.67	+ 0.94	+42.81	284 43 51.20	45.696	+ 4.16	−3 33.6	17 8 31.42	.....	+65 49 5.5	....
32	γ Orionis	9	19 34.96	+ 0.26	**+42.79**	32 33 54.10	47.208	+ 4.16	+ 36.7	5 20 18.03	.....	+ 6 16 6.7	....
33	δ Orionis	8	26 41.30	+ 0.28	**+42.78**	39 11 55.90	46.930	+ 4.16	+ 46.9	5 27 24.39	.....	− 0 21 59.1	....
34	158 H.¹ Cephei	9	32 21.22	− 2.51	+42.81	313 41 54.22	47.490	+ 4.16	− 59.9	5 33 1.52	.....	+85 9 36.5	....
35	ζ Orionis	9	35 29.92	+ 0.28	**+42.77**	40 49 54.10	45.478	+ 4.16	+ 49.8	5 36 13.01	.....	− 1 59 26.8	....
36	κ Orionis	9	42 46.19	+ 0.30	**+42.78**	48 31 55.92	46.625	+ 4.16	+1 5.2	5 43 29.30	.....	− 9 42 10.4	....
37	B. D.+16°893	9	45 47.58	+ 0.23	+42.81	22 1 54.75	48.433	+ 4.16	+ 23.4	5 46 30.62	+ 0.08	+16 47 51.2	− 2.4
38	α Orionis	9	49 34.93	+ 0.26	**+42.76**	31 27 54.72	43.770	+ 4.16	+ 35.3	5 50 18.00	.....	+ 7 23 25.8	....
39	δ Ursæ Minoris s. p.	9	0 25.72	+ 4.50	+42.82	305 29 52.35	43.447	+ 4.16	−1 20.5	18 1 13.04	.....	+86 36 28.5	....
40	B. D.+16°1076	9	11 43.76	+ 0.23	+42.82	21 55 55.00	45.208	+ 4.16	+ 23.3	6 12 26.81	− 0.07	+16 55 4.7	− 2.5
41	B. D.+17°1232	9	17 57.73	+ 0.23	+42.82	21 45 54.42	44.338	+ 4.16	+ 23.1	6 18 40.78	− 0.10	+17 5 25.5	− 2.5
	March 5, P.												
42	Jupiter I, C	5	48 11.57	+ 0.25	+42.96	42 21 50.42	45.499	+ 4.34	+ 53.6	12 48 54.78	+ 1.53	− 3 33 10.8	....
43	Jupiter II	5	48 14.63	+ 0.25	+42.96	... .	......	....	. ....	12 48 57.84	− 1.53	.. ..	....
44	θ Virginis	9	4 34.83	+ 0.26	**+42.94**	43 53 52.28	45.698	+ 4.40	+ 56.6	13 5 18.05	.....	− 5 3 37.2	....
45	α Virginis	9	19 44.39	+ 0.27	**+43.00**	49 31 51.72	45.152	+ 4.45	+1 8.9	13 20 27.62	.....	−10 41 36.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 6 5	......	....	49.5
6 20	29.986	49.1	49.0
12 16	29.997	43.0	40.8
12 50	......	....	40.1
13 6	......	....	40.0
13 21	......	....	39.8
13 37	29.984	41.2	39.6
16 10	......	....	37.9
16 31	......	....	37.7
16 56	29.978	39.3	37.8
17 28	......	....	38.0
17 50	29.976	39.0	37.8
18 4	......	....	37.0
18 53	29.992	40.7	39.3
5 23 2	29.964	52.4	54.1
4 56	29.900	56.3	55.1
5 9	......	....	54.9
5 25	......	....	54.2
5 51	......	....	52.3
6 19	29.890	52.6	51.2
12 46	29.844	44.9	43.0
13 10	......	....	42.7

Micrometer bisections are made at II, VI, except as noted below.

2, 37.	Bisections at II, VI, VII.
4, 15, 18, 30, 34, 39.	Bisections at b_4, b_5, b_6.
9, 42.	Z. D. threads A used.
9, 16, 17, 22, 42.	Bisections at I, II, VI, VII.
19.	Bisections at I, II.
20.	Bisections at III, IV, V.
26.	Bisections at b_3, b_4, b_6.
27, 32, 35, 41.	Bisections at VI, VII.
28.	Bisections at I, II, III.
29.	Bisections at V, VI, VII.
31.	Bisections at II, III, V, VI.

Notes.

7, 26, 27.	Very faint.
12.	Through clouds; varying in brightness.
32.	Image poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 1.3	.. ....	...	+ 1.3
28	+ 6.2	−16 8.6	...	−16 2.4
29	+ 6.3	+16 8.7	...	+16 15.0
42	+ 1.3	.. ....	...	+ 1.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Virginis	9	29 23.77	+ 0.24	**+43.01**	38 57 49.42	47.995	+ 4.48	+ 47.6	13 30 6.97	.....	– 0 8 18.0	....
2	m Virginis	9	36 10.54	+ 0.26	**+42.98**	47 5 50.90	44.000	+ 4.50	+1 3.3	13 36 53.77	.....	– 8 15 3.9	....
3	κ Virginis	9	7 22.74	+ 0.27	**+43.04**	48 41 52.02	44.722	+ 4.60	+1 6.9	14 8 5.98	.....	– 9 51 25.2	....
4	ι Virginis	9	10 34.81	+ 0.26	**+43.00**	44 24 2.65	47.295	+ 4.61	+ 57.6	14 11 18.04	.....	– 5 34 25.3	....
5	ε Ursæ Minoris	9	54 29.16	– 1.60	+43.01	316 41 49.85	44.360	+ 4.99	– 55.3	16 55 10.57	.....	+82 10 47.0	....
6	ζ Draconis	9	7 48.71	– 0.26	+43.01	333 1 51.62	47.592	+ 4.99	– 29.8	17 8 31.46	.....	+65 49 5.4	....
7	Moon II	9	47 20.27	+ 0.33	+43.03	65 54	......	....	.....	18 48 3.63	–71.72	.. ..	....
	March 6, M.												
8	Moon II	9	47 47.21	+ 0.26	+43.38	64 56	......	....	.....	19 48 30.85	–72.36	.. ..	....
9	Mercury C, C	9	45 36.09	+ 0.28	+43.41	54 11 52.02	43.996	+ 4.56	+1 19.3	21 46 19.78	– 0.04	–15 21 20.9	....
	March 7, M.												
10	Sun I, N	9	7 38.36	+ 0.30	+43.42	43 59 54.98	44.808	+ 4.60	+ 54.9	23 8 22.08	+65.10	– 5 9 18.0	....
11	Sun II, S	9	9 48.55	+ 0.30	+43.42	44 31 54.88	45.480	+ 4.60	+ 55.9	23 10 32.27	–65.09	– 5 41 34.5	....
12	ε Ursæ Minoris s. p.	9	54 25.28	+ 2.04	+43.50	301 3 51.60	44.930	+ 4.64	–1 35.1	16 55 10.82	.....	+82 10 47.6	....
13	γ Orionis	9	19 34.25	+ 0.23	**+43.50**	32 33 51.50	47.308	+ 4.64	+ 36.9	5 20 17.98	.....	+ 6 16 6.1	....
14	δ Orionis	9	26 40.59	+ 0.25	**+43.49**	39 11 53.15	47.030	+ 4.64	+ 47.2	5 27 24.35	.....	– 0 21 59.4	....
15	158 H^1. Cephei	9	32 20.39	– 2.34	+43.51	313 41 52.88	47.528	+ 4.64	–1 0.2	5 33 1.56	.....	+85 9 36.8	....
16	ζ Orionis	5	35 29.15	+ 0.25	**+43.54**	40 49 51.05	45.640	+ 4.64	+ 50.0	5 36 12.91	.....	– 1 59 28.2	....
17	κ Orionis	9	42 45.47	+ 0.26	**+43.50**	48 31 52.08	46.811	+ 4.64	+1 5.4	5 43 29.24	.....	– 9 42 11.5	....
18	α Orionis	9	49 34.18	+ 0.23	**+43.51**	31 27 52.80	43.871	+ 4.64	+ 35.4	5 50 17.92	.....	+ 7 23 24.9	....
19	8 Monocerotis	9	18 16.32	+ 0.24	**+43.51**	34 11 51.50	46.661	+ 4.64	+ 39.4	6 19 0.08	.....	+ 4 38 18.4	....
	March 7, P.												
20	Mercury C, C	9	51 26.62	+ 0.33	+43.67	53 45 48.30	45.925	+ 5.20	+1 19.0	21 52 10.62	– 0.04	–14 56 1.6	....
	March 8, P.												
21	Sun I, N	9	11 20.36	+ 0.30	+43.68	43 35 53.28	46.550	+ 5.26	+ 55.0	23 12 4.34	+65.00	– 4 45 56.9	....
22	Sun II, S	9	13 30.35	+ 0.30	+43.68	44 7 55.02	47.167	+ 5.26	+ 56.0	23 14 14.33	–64.99	– 5 18 13.9	....
23	ε Ursæ Minoris s. p.	9	54 25.27	+ 2.16	+43.77	301 3 49.68	45.023	+ 4.51	–1 34.7	16 55 11.20	.....	+82 10 48.0	....
24	ζ Draconis s. p.	8	7 46.84	+ 0.94	+43.77	284 43 48.00	45.888	+ 4.51	–3 33.8	17 8 31.55	.....	+65 49 7.0	....
25	γ Orionis	9	19 33.98	+ 0.24	**+43.74**	32 33 52.42	47.250	+ 4.51	+ 36.8	5 20 18.00	.....	+ 6 16 6.8	....
26	δ Orionis	9	26 40.28	+ 0.25	**+43.78**	39 11 52.85	47.002	+ 4.51	+ 47.0	5 27 24.31	.....	– 0 21 58.2	....
27	158 H^1. Cephei	9	32 19.44	– 2.51	+43.78	313 41 50.55	47.637	+ 4.51	– 59.9	5 33 0.71	.....	+85 9 36.5	....
28	ζ Orionis	9	35 28.89	+ 0.26	**+43.77**	40 49 48.42	45.678	+ 4.51	+ 49.8	5 36 12.93	.....	– 1 59 26.3	....
29	κ Orionis	9	42 45.18	+ 0.27	**+43.76**	48 31 53.95	46.702	+ 4.51	+1 5.2	5 43 29.23	.....	– 9 42 10.6	....
30	α Orionis	9	49 33.90	+ 0.24	**+43.76**	31 27 49.58	43.992	+ 4.51	+ 35.3	5 50 17.92	.....	+ 7 23 25.6	....
31	δ Ursæ Minoris s. p.	9	0 25.83	+ 4.50	+43.78	305 29 49.52	43.510	+ 4.51	–1 20.4	18 1 14.11	.....	+86 36 27.6	....
32	8 Monocerotis	9	18 16.00	+ 0.24	**+43.81**	34 11 49.20	46.725	+ 4.51	+ 39.3	6 19 0.03	.....	+ 4 38 19.5	....
	March 8, L.												
33	Venus N	.	.. ..	....	.....	48 47 54.45	47.418	+ 5.34	+1 6.4	21 4	.....	– 9 58 29.5	....
	March 9, L.												
34	Sun S	.	.. ..	....	.....	43 45 54.12	43.493	+ 5.16	+ 55.4	23 16	.....	– 4 54 48.1	....
35	Sun N	.	.. ..	....	.....	43 13 52.42	42.970	+ 5.16	+ 54.3	.. ..	.....	– 4 22 33.6	....
	March 11, P.												
36	Sun S	.	.. ..	....	.....	42 57 50.05	46.188	+ 5.60	+ 55.7	23 24	.....	– 4 7 46.4	....
37	Sun N	.	.. ..	....	.....	42 25 49.82	45.755	+ 5.60	+ 54.7	.. ..	.....	– 3 35 35.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 13 25	......	....	42.1
13 38	29.830	44.0	42.1
14 12	29.817	43.8	42.0
16 52	29.821	42.0	41.0
17 13	......	....	41.1
17 21	29.820	42.8	....
6 21 46	29.500	50.8	49.7
7 23 10	29.460	53.9	52.7
4 54	29.500	47.8	46.3
5 20	......	....	45.4
5 50	29.486	45.8	44.8
6 18	29.500	45.1	44.0
21 50	29.655	46.8	46.2
8 23 14	29.650	49.2	48.0
4 52	29.607	50.7	50.1
5 12	......	....	49.5
5 40	29.610	48.4	48.4
5 57	......	....	48.1
6 20	29.612	47.0	47.1
21 3	29.768	47.3	47.2
9 23 17	29.780	50.3	49.6
11 23 25	29.940	36.6	35.7

Micrometer bisections are made at II, VI, except as noted below.

5, 12, 15, 23, 24, 27, 31.	Bisections at b_4, b_5, b_6.
6, 9, 13, 14, 17–20, 33.	Bisections at I, II, VI, VII.
10, 21, 34, 36.	Bisections at I, II, III.
11, 22, 35, 37.	Bisections at V, VI, VII.
16.	Bisections at VI, VII.

Notes.

12.	Micrometer reading decreased 1 rev.
12–19.	Conditions very poor.
15.	Very poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 6.1	.. ....	– 0.2	+ 5.9
10	+ 6.1	–16 8.2	...	–16 2.1
11	+ 6.2	+16 8.2	...	+16 14.4
20	+ 6.0	.. ....	– 0.2	+ 5.8
21	+ 6.1	–16 8.5	...	–16 2.4
22	+ 6.1	+16 8.5	...	+16 14.6
33	+ 18.5	– 23.9	...	– 5.4
34	+ 6.1	+16 7.2	...	+16 13.3
35	+ 6.0	–16 7.2	...	–16 1.2
36	+ 6.0	+16 5.4	...	+16 11.4
37	+ 5.9	–16 5.4	...	–15 59.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 13, M.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Jupiter I, C	5	45 37.90	+ 0.27	+6.19	41 59 54.38	47.074	+ 4.23	+ 52.4	12 45 44.36	+ 1.50	− 3 11 49.4	....
2	Jupiter II	5	45 40.89	+ 0.27	+6.19	... .	......	....	. ....	12 45 47.35	− 1.49	.. ..	....
3	θ Virginis	8	5 11.69	+ 0.28	**+6.19**	43 53 56.05	45.655	+ 4.23	+ 55.9	13 5 18.16	.....	− 5 3 39.2	....
4	α Virginis	9	20 21.30	+ 0.29	**+6.23**	49 31 57.92	44.981	+ 4.23	+1 8.1	13 20 27.77	.....	−10 41 37.8	....
5	κ Virginis	9	7 59.81	+ 0.28	**+6.14**	48 41 55.98	44.693	+ 4.23	+1 6.1	14 8 6.26	.....	− 9 51 27.2	....
6	ι Virginis	9	11 11.83	+ 0.28	**+6.14**	44 23 55.72	47.695	+ 4.23	+ 56.9	14 11 18.27	.....	− 5 34 26.5	....
7	2 Libræ	9	18 29.08	+ 0.29	+6.16	50 7 55.38	46.872	+ 4.23	+1 9.6	14 18 35.53	− 0.60	−11 18 20.0	+ 6.7
8	β Ophiuchi	9	38 54.96	+ 0.26	**[+6.06]**	34 13 54.52	47.351	+ 4.49	+ 40.1	17 39 1.32	.....	+ 4 35 59.1	....
9	ν Ophiuchi	9	53 57.44	+ 0.29	**[+6.14]**	48 35 54.72	46.058	+ 4.56	+1 6.7	17 54 3.82	.....	− 9 45 58.2	....
10	δ Ursæ Minoris	9	1 13.89	− 3.53	+6.09	312 15 53.25	45.493	+ 4.59	−1 4.4	18 1 16.45	.....	+86 36 27.2	....
11	η Serpentis	9	16 32.22	+ 0.28	**[+6.10]**	41 45 55.00	45.675	+ 4.66	+ 52.6	18 16 38.58	.....	− 2 55 35.7	....
	March 14, M.												
12	Sun I, S	9	34 2.75	+ 0.33	+5.98	41 47 55.25	44.002	+ 4.87	+ 52.6	23 34 9.06	+64.80	− 2 56 57.8	....
13	Sun II, N	9	36 12.35	+ 0.33	+5.98	41 15 56.88	43.420	+ 4.87	+ 51.6	23 36 18.66	−64.80	− 2 24 45.4	....
14	γ Orionis	9	20 11.71	+ 0.28	**[+5.87]**	32 33 53.85	47.185	+ 4.38	+ 37.8	5 20 17.85	.....	+ 6 16 6.0	....
15	δ Orionis	9	27 18.04	+ 0.29	**[+5.88]**	39 11 56.45	46.855	+ 4.38	+ 48.3	5 27 24.19	.....	− 0 21 59.6	....
16	158 H^1. Cephei	9	32 56.22	− 2.49	+5.86	313 41 54.25	47.513	+ 4.38	−1 1.7	5 32 59.59	.....	+85 9 37.6	....
17	ζ Orionis	9	36 6.61	+ 0.30	**[+5.91]**	40 49 54.08	45.435	+ 4.38	+ 51.2	5 36 12.77	.....	− 1 59 27.6	....
18	κ Orionis	9	43 22.91	+ 0.32	**+5.88**	48 31 54.70	46.615	+ 4.38	+1 7.1	5 43 29.09	.....	− 9 42 11.1	....
19	α Orionis	9	50 11.66	+ 0.27	**+5.87**	31 27 55.00	43.725	+ 4.38	+ 36.3	5 50 17.78	.....	+ 7 23 25.4	....
20	8 Monocerotis	9	18 53.78	+ 0.28	**+5.89**	34 11 54.88	46.508	+ 4.38	+ 40.4	6 18 59.91	.....	+ 4 38 17.8	....
	March 14, L.												
21	ε Ursæ Minoris	9	55 7.92	− 1.38	+5.53	316 41 53.42	44.310	+ 3.92	− 57.0	16 55 12.07	.....	+82 10 47.3	....
22	σ Ophiuchi	9	21 56.98	+ 0.32	**+5.44**	34 37 55.88	45.005	+ 3.92	+ 42.0	17 22 2.82	.....	+ 4 12 50.0	....
23	158 H^1. Cephei S. P.	9	32 50.94	+ 3.32	+5.52	304 1 53.48	46.855	+ 3.92	−1 29.5	5 32 59.78	.....	+85 9 38.3	....
24	β Ophiuchi	9	38 55.46	+ 0.33	**[+5.52]**	34 13 56.12	47.155	+ 3.92	+ 41.4	17 39 1.30	.....	+ 4 36 1.3	....
25	ν Ophiuchi	9	53 58.04	+ 0.37	**[+5.49]**	48 35 57.40	45.838	+ 3.92	+1 9.0	17 54 3.92	.....	− 9 45 57.5	....
26	δ Ursæ Minoris	9	1 14.28	− 3.71	+5.51	312 15 53.65	45.622	+ 3.92	−1 6.6	18 1 16.08	.....	+86 36 26.7	....
27	η Serpentis	9	16 32.85	+ 0.36	**[+5.42]**	41 45 56.25	45.532	+ 3.92	+ 54.3	18 16 38.71	.....	− 2 55 34.7	....
28	3 H. Scuti	9	30 12.09	+ 0.37	**[+5.53]**	47 7 56.90	47.805	+ 3.92	+1 5.5	18 30 17.96	.....	− 8 18 38.4	....
29	θ Serpentis	9	51 38.22	+ 0.34	**[+5.48]**	34 45 55.15	44.852	+ 3.92	+ 42.2	18 51 44.05	.....	+ 4 4 54.0	....
	March 15, L.												
30	Sun I, S	9	37 43.26	+ 0.40	+5.42	41 23 56.35	44.827	+ 4.16	+ 52.7	23 37 49.08	+64.70	− 2 33 17.2	....
31	Sun II, N	9	39 52.65	+ 0.40	+5.42	40 51 56.22	44.300	+ 4.16	+ 51.7	23 39 58.47	−64.69	− 2 1 4.3	....
32	Moon I	9	29 30.48	+ 0.33	+5.34	20 40	......	....	. ....	3 29 36.15	+71.70	.. ..	....
33	ε Ursæ Minoris S. P.	9	55 4.59	+ 2.13	+5.33	301 3 53.35	45.032	+ 3.94	−1 37.5	16 55 12.05	.....	+82 10 48.6	....
34	ζ Draconis S. P.	9	8 25.51	+ 0.97	+5.33	284 43 53.28	45.944	+ 3.94	−3 40.3	17 8 31.81	.....	+65 49 6.3	....
35	γ Orionis	9	20 12.22	+ 0.35	**[+5.27]**	32 33 56.88	47.045	+ 3.94	+ 37.9	5 20 17.89	.....	+ 6 16 6.5	....
36	δ Orionis	9	27 18.51	+ 0.37	**[+5.31]**	39 11 58.60	46.740	+ 3.94	+ 48.4	5 27 24.20	.....	− 0 21 58.7	....
37	158 H^1. Cephei	9	32 56.11	− 2.29	+5.32	313 41 55.98	47.493	+ 3.94	−1 1.7	5 32 59.14	.....	+85 9 36.7	....
38	ζ Orionis	9	36 7.03	+ 0.38	**[+5.39]**	40 49 57.85	45.250	+ 3.94	+ 51.3	5 36 12.73	.....	− 1 59 26.8	....
39	κ Orionis	9	43 23.43	+ 0.40	**+5.26**	48 31 57.95	46.485	+ 3.94	+1 7.1	5 43 29.15	.....	− 9 42 11.0	....
40	α Orionis	9	50 12.09	+ 0.35	**+5.34**	31 27 57.55	43.598	+ 3.94	+ 36.3	5 50 17.75	.....	+ 7 23 26.2	....
41	δ Ursæ Minoris S. P.	9	1 6.44	+ 4.34	+5.31	305 29 54.05	43.435	+ 3.94	−1 22.8	18 1 16.09	.....	+86 36 27.4	....
42	8 Monocerotis	9	18 54.23	+ 0.36	**+5.34**	34 11 57.95	46.360	+ 3.94	+ 40.5	6 18 59.90	.....	+ 4 38 18.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 12 46	29.384	42.7	41.2
13 20	......	....	40.8
14 11	29.400	41.7	40.9
17 32	29.460	37.2	35.9
18 1	29.450	37.2	35.8
18 30	......	....	35.8
18 50	29.490	38.5	....
23 36	29.550	40.9	38.0
5 20	29.610	37.2	35.8
5 36	......	....	35.3
5 50	29.616	36.3	35.1
6 19	29.626	35.8	34.8
16 57	29.768	28.0	26.0
17 23	......	....	25.8
17 35	......	....	25.7
18 4	29.780	26.8	25.3
18 17	......	....	25.7
18 31	......	....	26.0
18 52	29.788	27.7	26.6
15 23 40	29.800	35.1	34.2
4 56	29.758	39.0	38.5
5 10	......	....	38.1
5 37	......	....	37.3
6 1	......	....	36.7
6 20	29.782	36.9	36.0

Micrometer bisections are made at II, VI, except as noted below.

1.	Z. D. threads A used.
1, 4, 8, 9, 11, 25, 27–29.	Bisections at I, II, VI, VII.
5.	Bisections at II, VI, VII.
10, 16, 21, 23, 26, 33, 37, 41.	Bisections at b_1, b_5, b_6.
12, 30.	Bisections at I, II, III.
13, 31.	Bisections at V, VI, VII.
34.	Bisections at II, III, V, VI.

Note.

3–11. Conditions poor; clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 1.3	.. ....	...	+ 1.3
12	+ 5.9	+16 6.1	...	+16 12.0
13	+ 5.8	−16 6.2	...	−16 0.4
30	+ 5.8	+16 6.4	...	+16 12.2
31	+ 5.8	−16 6.5	...	−16 0.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 15, M.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Ursæ Minoris	9	55 8.67	− 1.48	+5.20	316 41 55.20	44.150	+ 4.23	− 56.6	16 55 12.39	.....	+82 10 48.5	....
2	σ Ophiuchi	9	21 57.22	+ 0.36	+5.19	34 37 55.15	45.072	+ 4.34	+ 41.7	17 22 2.77	.....	+ 4 12 49.1	....
3	158 H¹. Cephei S. P.	9	32 50.61	+ 3.59	+5.19	304 1 52.35	46.795	+ 4.39	−1 28.7	5 32 59.39	.....	+85 9 37.1	....
4	β Ophiuchi	9	38 55.87	+ 0.36	[+5.11]	34 13 54.80	47.310	+ 4.42	+ 41.1	17 39 1.42	.....	+ 4 35 58.8	....
5	ν Ophiuchi	9	53 58.40	+ 0.41	[+5.12]	48 35 56.35	45.970	+ 4.48	+1 8.3	17 54 3.99	.....	− 9 45 59.3	....
6	η Serpentis	9	16 33.18	+ 0.39	[+5.09]	41 45 54.58	45.655	+ 4.58	+ 53.7	18 16 38.74	.....	− 2 55 35.9	....
7	3 H. Scuti	9	30 12.45	+ 0.40	[+5.17]	47 7 56.20	47.908	+ 4.63	+1 4.7	18 30 18.02	.....	− 8 18 40.0	....
8	θ Serpentis	9	51 38.59	+ 0.36	[+5.11]	34 45 55.58	44.888	+ 4.66	+ 41.7	18 51 44.11	.....	+ 4 4 52.6	....
9	Mercury C, C	9	40 31.57	+ 0.43	+5.09	49 37 55.20	45.961	+ 4.95	+1 8.6	22 40 37.09	− 0.02	−10 47 58.7	....
	March 16, M.												
10	Sun I	9	41 23.22	+ 0.40	+5.07	40 44	......	....	. ....	23 41 28.69	+64.53	.. ..	....
11	Sun II	9	43 32.27	+ 0.40	+5.07	... .	......	....	. ....	23 43 37.74	−64.52	.. ..	....
12	Moon I, S	9	30 15.30	+ 0.29	+4.98	16 40 1.52	48.093	+ 4.10	+ 17.3	4 30 20.57	+72.93	+22 9 58.3	....
13	τ Tauri	9	36 44.52	+ 0.28	[+4.98]	16 3 59.98	45.134	+ 4.10	+ 16.6	4 36	.....	+22 47 8.1	....
14	i Tauri	9	46 0.54	+ 0.30	....	20 10 1.18	44.602	+ 4.10	+ 21.2	4 46	.....	+18 41 14.5	....
15	ι Tauri	9	57 37.01	+ 0.29	[+5.04]	17 23 59.72	43.415	+ 4.10	+ 18.1	4 57	.....	+21 27 46.0	....
16	11 Orionis	9	59 19.69	+ 0.31	[+4.98]	23 34 0.98	45.712	+ 4.10	+ 25.2	4 59	.....	+15 16 45.4	....
17	γ Orionis	9	20 12.55	+ 0.34	[+4.93]	32 34 1.18	46.955	+ 4.10	+ 36.9	5 20	.....	+ 6 16 5.1	....
18	δ Orionis	9	27 18.85	+ 0.37	[+4.95]	39 12 0.55	46.755	+ 4.10	+ 47.2	5 27	.....	− 0 22 0.2	....
19	ζ Tauri	8	32 10.32	+ 0.29	[+4.97]	17 45 57.10	44.672	+ 4.10	+ 18.6	5 32	.....	+21 5 19.7	....
20	ζ Orionis	9	36 7.45	+ 0.37	[+4.96]	40 49 56.80	45.395	+ 4.10	+ 50.0	5 36	.....	− 1 59 28.0	....
21	κ Orionis	9	43 23.72	+ 0.39	[+4.96]	48 31 59.58	46.522	+ 4.10	+1 5.5	5 43	.....	− 9 42 12.0	....
22	α Orionis	9	50 12.39	+ 0.34	+5.04	31 27 57.98	43.682	+ 4.10	+ 35.4	5 50	.....	+ 7 23 24.6	....
23	8 Monocerotis	9	18 54.64	+ 0.35	+4.93	34 11 58.72	46.412	+ 4.10	+ 39.5	6 18	.....	+ 4 38 17.4	....
	March 17, L.												
24	ε Ursæ Minoris S. P.	9	55 6.27	+ 1.89	+4.39	301 3 56.62	44.778	+ 5.24	−1 35.8	16 55 12.55	.....	+82 10 49.0	....
25	β Tauri	9	20 30.95	+ 0.25	[+4.42]	10 20 0.90	42.940	+ 5.24	+ 10.7	5 20 35.58	.....	+28 32 2.1	....
26	δ Orionis	9	27 19.48	+ 0.32	[+4.36]	39 11 59.18	46.718	+ 5.24	+ 47.6	5 27 24.18	.....	− 0 21 59.3	....
27	Moon I, S	9	32 30.11	+ 0.27	+4.37	13 59 56.80	44.870	+ 5.24	+ 14.6	5 32 34.75	+73.53	+24 51 18.3	....
28	κ Orionis	9	43 24.32	+ 0.34	[+4.39]	48 31 58.42	46.435	+ 5.24	+1 6.0	5 43 29.03	.....	− 9 42 10.5	....
29	α Orionis	9	50 13.00	+ 0.30	[+4.45]	31 27 58.70	43.512	+ 5.24	+ 35.8	5 50 17.67	.....	+ 7 23 26.0	....
30	1 Geminorum	9	58 34.12	+ 0.26	[+4.39]	15 33 56.40	47.660	+ 5.24	+ 16.4	5 58 38.75	.....	+23 16 13.1	....
31	ν Orionis	9	2 21.13	+ 0.29	[+4.43]	24 3 57.30	45.620	+ 5.24	+ 26.2	6 2 25.79	.....	+14 46 49.0	....
32	η Geminorum	9	9 21.96	+ 0.27	+4.38	16 17 57.00	47.962	+ 5.24	+ 17.2	6 9 26.60	.....	+22 32 4.7	....
33	8 Monocerotis	9	18 55.14	+ 0.31	+4.45	34 11 57.95	46.310	+ 5.24	+ 39.8	6 18 59.81	.....	+ 4 38 19.0	....
34	51 H. Cephei	7	58 46.46	− 3.72	+4.35	311 39 54.65	46.913	+ 5.24	−1 5.6	6 58 47.09	.....	+87 11 53.9	....
	March 17, P.												
35	ε Ursæ Minoris	9	55 9.50	− 1.24	+4.21	316 41 54.45	44.210	+ 5.24	− 57.0	16 55 12.47	.....	+82 10 47.3	....
36	ζ Draconis	9	8 28.14	− 0.10	+4.20	333 1 55.52	47.462	+ 5.24	− 30.8	17 8 32.24	.....	+65 49 5.2	....
37	σ Ophiuchi	5	21 58.35	+ 0.34	+4.14	34 37 56.05	44.945	+ 5.24	+ 42.0	17 22 2.89	.....	+ 4 12 50.0	....
38	β Ophiuchi	9	38 56.90	+ 0.34	+4.15	34 13 51.12	47.356	+ 5.24	+ 41.4	17 39 1.43	.....	+ 4 36 0.3	....
39	ν Ophiuchi	8	53 59.45	+ 0.37	[+4.18]	48 35 51.25	46.100	+ 5.24	+1 9.0	17 54 4.01	.....	− 9 45 58.6	....
40	Venus II, N	9	17 10.58	+ 0.38	+4.13	49 23 54.65	45.959	+ 5.71	+1 9.5	21 17 15.09	− 1.40	−10 33 59.8	....
	March 18, P.												
41	Sun I, N	9	48 42.49	+ 0.39	+4.08	39 39 59.15	46.645	+ 5.30	+ 48.7	23 48 46.96	+64.58	− 0 49 58.7	....
42	Sun II, S	9	50 51.64	+ 0.39	+4.08	40 11 59.42	47.098	+ 5.30	+ 49.6	23 50 56.11	−64.57	− 1 22 10.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 16 55	29.740	28.7	28.9
17 22	......	....	28.8
17 54	29.740	29.3	29.3
18 17	......	....	31.0
18 52	29.752	31.4	31.8
22 41	29.730	42.6	44.9
16 4 30	29.690	50.2	50.3
4 58	......	....	50.0
5 20	29.690	48.8	48.9
5 50	29.698	47.4	47.7
6 19	29.698	47.2	46.6
17 4 58	29.832	48.8	48.1
5 21	......	....	47.2
5 34	......	....	46.4
5 56	......	....	45.9
6 13	29.864	46.1	45.1
7 2	29.890	44.9	44.0
16 53	30.038	31.5	30.0
17 13	......	....	30.0
17 44	30.066	31.2	30.1
18 31	30.088	32.0	30.8
21 18	30.143	40.0	41.0
18 23 51	30.150	47.4	48.2

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 24, 34, 35.	Bisections at b_4, b_5, b_6.
6, 7, 9, 13, 36, 38–40.	Bisections at I, II, VI, VII.
12, 27.	Bisections at II, III, IV, V, VI.
15, 18, 29.	Bisections at I, II.
19.	Bisections at VI, VII.
37.	Bisections at II, VI, VII.
41.	Bisections at I, II, III.
42.	Bisections at V, VI, VII.

Notes.

13–16.	Faint.
22, 23, 32, 34, 37.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 5.2	.. ....	− 0.2	+ 5.0
12	+16 49.4	+16 7.7	...	+32 57.1
27	+13 58.2	+15 55.2	...	+29 53.4
40	+ 16.0	− 20.6	...	− 4.6
41	+ 5.6	−16 5.8	...	−16 0.2
42	+ 5.7	+16 5.8	...	+16 11.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Draconis s. P.	9	8 27.48	+ 0.83	+3.99	284 43 49.88	45.907	+ 4.18	−3 36.6	17 8 32.30	.....	+65 49 6.2	....
2	γ Orionis	9	20 13.52	+ 0.32	**[+3.95]**	32 33 50.70	47.330	+ 4.18	+ 37.2	5 20 17.83	.....	+ 6 16 6.6	....
3	δ Orionis	9	27 19.87	+ 0.33	**[+3.94]**	39 11 52.60	47.060	+ 4.18	+ 47.6	5 27 24.19	.....	− 0 21 59.5	....
4	158 H^1. Cephei	9	32 56.33	− 1.65	+3.98	313 41 54.55	47.458	+ 4.18	−1 0.7	5 32 58.66	.....	+85 9 37.7	....
5	ζ Orionis	9	36 8.44	+ 0.33	**[+3.97]**	40 49 51.65	45.558	+ 4.18	+ 50.4	5 36 12.75	.....	− 1 59 27.0	....
6	κ Orionis	9	43 24.73	+ 0.34	**[+3.96]**	48 31 53.05	46.762	+ 4.18	+1 6.0	5 43 29.05	.....	− 9 42 11.5	....
7	α Orionis	9	50 13.45	+ 0.31	**[+3.97]**	31 27 51.12	43.920	+ 4.18	+ 35.7	5 50 17.74	.....	+ 7 23 25.6	....
8	1 Geminorum	9	58 34.47	+ 0.28	**[+4.01]**	15 33 52.40	47.895	+ 4.18	+ 16.3	5 58 38.73	.....	+23 16 12.8	....
9	ν Orionis	9	2 21.49	+ 0.30	**[+4.04]**	24 3 52.50	45.885	+ 4.18	+ 26.1	6 2 25.76	.....	+14 46 48.9	....
10	η Geminorum	9	9 22.28	+ 0.28	**+4.03**	16 17 52.42	48.195	+ 4.18	+ 17.1	6 9 26.53	.....	+22 32 5.2	....
11	μ Geminorum	9	17 26.59	+ 0.27	**+4.01**	16 17 50.62	44.015	+ 4.18	+ 17.1	6 17 30.83	.....	+22 33 42.3	....
12	8 Monocerotis	9	18 55.63	+ 0.31	**+3.94**	34 11 52.35	46.608	+ 4.18	+ 39.8	6 18 59.91	.....	+ 4 38 18.9	....
13	ν Geminorum	9	23 32.89	+ 0.28	**+3.93**	18 33 53.15	47.620	+ 4.18	+ 19.7	6 23 37.14	.....	+20 16 15.0	....
14	Moon I, N	9	34 57.41	+ 0.27	+3.96	12 29 51.12	44.562	+ 4.18	+ 13.0	6 35 1.64	+73.14	+26 21 33.6	....
15	51 H. Cephei	9	58 45.56	− 3.18	+3.96	311 39 51.28	47.113	+ 4.18	−1 5.8	6 58 46.34	.....	+87 11 53.9	....
	March 18, M.												
16	σ Ophiuchi	9	21 58.74	+ 0.33	**+3.79**	34 37 55.90	45.010	+ 5.08	+ 41.6	17 22 2.87	.....	+ 4 12 49.1	....
17	158 H^1. Cephei s. P.	9	32 51.78	+ 2.82	+3.79	304 1 53.45	46.725	+ 5.12	−1 28.6	5 32 58.39	.....	+85 9 37.4	....
18	β Ophiuchi	9	38 57.33	+ 0.33	**+3.76**	34 13 54.55	47.282	+ 5.14	+ 41.0	17 39 1.45	.....	+ 4 35 59.1	....
19	ν Ophiuchi	9	53 59.92	+ 0.36	**[+3.75]**	48 35 56.45	45.910	+ 5.18	+1 8.3	17 54 4.06	.....	− 9 45 58.8	....
20	η Serpentis	9	16 34.71	+ 0.35	**[+3.69]**	41 45 55.62	45.598	+ 5.26	+ 53.8	18 16 38.84	.....	− 2 55 36.3	....
21	3 H. Scuti	9	30 14.03	+ 0.36	**[+3.72]**	47 7 56.20	47.865	+ 5.30	+1 5.0	18 30 18.16	.....	− 8 18 40.0	....
22	θ Serpentis	9	51 40.04	+ 0.33	**[+3.78]**	34 45 56.05	44.868	+ 5.32	+ 41.8	18 51 44.14	.....	+ 4 4 51.8	....
23	Venus II, N	9	19 12.29	+ 0.36	+3.72	49 25 57.70	43.471	+ 5.55	+1 9.1	21 19 16.37	− 1.38	−10 35 5.4	....
	March 19, M.												
24	Sun I, N	9	52 21.73	+ 0.35	+3.67	39 15 59.92	47.557	+ 5.56	+ 47.3	23 52 25.75	+64.55	− 0 26 19.1	....
25	Sun II, S	9	54 30.84	+ 0.35	+3.67	39 47 59.95	47.875	+ 5.56	+ 48.2	23 54 34.86	−64.56	− 0 58 27.6	....
26	ζ Draconis s. P.	9	8 27.74	+ 0.88	+3.56	284 43 51.10	45.620	+ 3.93	−3 31.9	17 8 32.18	.....	+65 49 5.1	....
27	γ Orionis	9	20 13.99	+ 0.23	**[+3.55]**	32 33 53.72	47.302	+ 3.90	+ 36.5	5 20 17.78	.....	+ 6 16 5.2	....
28	δ Orionis	9	27 20.33	+ 0.24	**[+3.55]**	39 11 54.82	47.035	+ 3.87	+ 46.6	5 27 24.13	.....	− 0 22 0.0	....
29	158 H^1. Cephei	9	32 57.39	− 2.11	+3.56	313 41 53.12	47.468	+ 3.86	− 59.5	5 32 58.84	.....	+85 9 38.0	....
30	ζ Orionis	9	36 8.97	+ 0.24	**[+3.52]**	40 49 52.82	45.578	+ 3.85	+ 49.4	5 36 12.77	.....	− 1 59 27.3	....
31	κ Orionis	9	43 25.22	+ 0.25	**[+3.55]**	48 31 54.98	46.775	+ 3.83	+1 4.8	5 43 29.02	.....	− 9 42 12.2	....
32	α Orionis	9	50 13.97	+ 0.23	**[+3.51]**	31 27 54.10	43.878	+ 3.81	+ 35.1	5 50 17.75	.....	+ 7 23 24.6	....
33	1 Geminorum	9	58 34.98	+ 0.20	**[+3.56]**	15 33 54.08	47.890	+ 3.78	+ 16.1	5 58 38.73	.....	+23 16 11.9	....
34	η Geminorum	9	9 22.76	+ 0.20	**+3.61**	16 17 53.42	48.238	+ 3.75	+ 16.9	6 9 26.50	.....	+22 32 3.8	....
35	8 Monocerotis	9	18 56.08	+ 0.23	**+3.55**	34 11 55.08	46.602	+ 3.73	+ 39.1	6 18 59.85	.....	+ 4 38 17.4	....
36	ν Geminorum	9	23 33.38	+ 0.20	**+3.50**	18 33 53.32	47.710	+ 3.71	+ 19.4	6 23 37.12	.....	+20 16 13.5	....
37	ε Geminorum	9	38 20.07	+ 0.20	**+3.50**	13 37 52.78	45.085	+ 3.67	+ 14.0	6 38 23.80	.....	+25 13 19.5	....
38	Moon I, N	9	35 58.09	+ 0.20	+3.52	13 11 53.08	47.278	+ 3.57	+ 13.6	7 36 1.81	+71.71	+25 38 29.6	....
	March 20, M.												
39	ζ Draconis	9	8 29.61	− 0.14	....	333 1 50.82	47.652	+ 4.48	− 29.7	17 8	.....	+65 49 5.7	....
40	σ Ophiuchi	9	21 59.87	+ 0.18	**+2.87**	34 37 53.25	45.195	+ 4.48	+ 40.6	17 22	.....	+ 4 12 49.1	....
41	158 H^1. Cephei s. P.	9	32 52.56	+ 2.61	+2.85	304 1 48.52	46.892	+ 4.48	−1 26.6	5 32 58.02	.....	+85 9 37.7	....
42	β Ophiuchi	9	38 58.47	+ 0.18	**+2.83**	34 13 52.75	47.400	+ 4.48	+ 40.1	17 39	.....	+ 4 35 59.8	....
43	ν Ophiuchi	9	54 1.08	+ 0.20	**[+2.81]**	48 35 53.80	46.105	+ 4.48	+1 6.9	17 54	.....	− 9 45 58.4	....
44	η Serpentis	9	16 35.82	+ 0.19	**[+2.80]**	41 45 51.92	45.785	+ 4.48	+ 52.8	18 16	.....	− 2 55 35.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 5 6	30.098	52.0	51.3
5 24	......	....	51.0
5 41	......	....	50.6
5 48	30.098	51.2	50.2
6 7	......	....	50.0
6 30	......	....	48.6
6 39	30.114	49.1	48.0
7 3	30.124	48.0	46.1
17 22	30.160	37.0	36.0
17 54	......	....	36.0
18 17	......	....	35.8
18 52	30.170	36.8	35.9
21 19	30.186	45.2	45.1
19 28 55	30.154	53.8	56.1
5 8	30.062	62.3	61.5
5 43	......	....	58.8
5 59	30.066	59.0	57.4
6 38	30.068	57.8	56.5
7 36	30.072	54.8	53.4
20 17 8	29.940	47.3	44.8
17 39	29.962	45.8	43.6
18 17	......	....	42.2

Micrometer bisections are made at II, VI, except as noted below.

1, 4, 15, 17, 29, 41.	Bisections at b_4, b_5, b_6.
11, 28.	Bisections at I, II.
14, 38.	Bisections at II, III, IV, V, VI.
20.	Bisections at II, VI, VII.
22, 23.	Bisections at I, II, VI, VII.
24.	Bisections at I, II, III.
25.	Bisections at V, VI, VII.
26.	Bisections at II, III, V, VI.
39.	Bisections at III, IV, V.

Notes.

2. Micrometer reading increased 1 rev.
29. Very faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+12 19.1	−15 42.9	...	− 3 23.8
23	+ 15.8	− 20.3	...	− 4.5
24	+ 5.6	−16 4.3	...	−15 58.7
25	+ 5.6	+16 4.2	...	+16 9.8
38	+12 51.7	−15 31.4	...	− 2 39.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	3 H. Scuti	9	30 15.18	+ 0.19	[+2.80]	47 7 53.68	48.025	+ 4.48	+1 3.7	18 30	.....	− 8 18 39.0	....
2	θ Serpentis	9	51 41.23	+ 0.18	[+2.80]	34 45 52.68	45.035	+ 4.48	+ 41.1	18 51	.....	+ 4 4 52.9	....
3	Venus II, N	9	23 33.99	+ 0.22	+2.76	49 25 53.92	44.734	+ 4.46	+1 8.5	21 23 36.97	− 1.33	−10 35 28.8	....
4	Mercury C, C	9	12 17.41	+ 0.24	+2.72	46 21 54.88	48.263	+ 4.25	+1 1.2	23 12 20.37	− 0.01	− 7 32 43.0	....
	March 21, M.												
5	Sun I, S	9	59 40.03	+ 0.24	+2.71	39 1 54.52	44.470	+ 4.25	+ 47.1	23 59 42.98	+64.50	− 0 11 1.7	....
6	Sun II, N	9	1 49.02	+ 0.24	+2.71	38 29 52.28	44.262	+ 4.25	+ 46.2	0 1 51.97	−64.49	+ 0 21 6.0	....
7	γ Orionis	9	20 14.93	+ 0.14	[+2.67]	32 33 53.05	47.295	+ 4.06	+ 37.0	5 20 17.68	.....	+ 6 16 5.4	....
8	δ Orionis	9	27 21.33	+ 0.15	[+2.61]	39 11 55.40	46.988	+ 4.06	+ 47.2	5 27 24.08	.....	− 0 22 0.3	....
9	158 H^1. Cephei	9	32 57.50	− 1.97	+2.60	313 41 55.28	47.412	+ 4.06	−1 0.3	5 32 58.13	.....	+85 9 37.8	....
10	ζ Orionis	9	36 9.93	+ 0.15	[+2.61]	40 49 52.82	45.550	+ 4.06	+ 50.1	5 36 12.68	.....	− 1 59 27.6	....
11	κ Orionis	9	43 26.22	+ 0.16	[+2.60]	48 31 54.22	46.772	+ 4.06	+1 5.6	5 43 28.98	.....	− 9 42 12.4	....
12	α Orionis	9	50 14.93	+ 0.14	[+2.61]	31 27 53.45	43.860	+ 4.06	+ 35.5	5 50 17.67	.....	+ 7 23 25.0	....
13	8 Monocerotis	9	18 57.11	+ 0.14	[+2.58]	34 11 53.70	46.610	+ 4.06	+ 39.5	6 18 59.84	.....	+ 4 38 17.9	....
14	η Cancri	9	27 28.38	+ 0.12	+2.50	18 5 53.60	46.020	+ 3.98	+ 19.2	8 27 31.04	.....	+20 44 51.8	....
15	γ Cancri	9	38 2.81	+ 0.12	+2.56	17 3 52.88	44.170	+ 3.98	+ 18.1	8 38 5.47	.....	+21 47 35.7	....
16	δ Cancri	9	39 32.33	+ 0.12	+2.57	20 21 52.98	45.220	+ 3.98	+ 21.9	8 39 34.99	.....	+18 29 8.0	....
17	ζ Hydræ	9	50 36.23	+ 0.14	+2.56	32 33 53.48	44.145	+ 3.98	+ 37.6	8 50 38.91	.....	+ 6 17 16.4	....
18	α Cancri	9	53 32.02	+ 0.13	+2.53	26 37 54.68	46.855	+ 3.98	+ 29.6	8 53 34.68	.....	+12 12 21.3	....
19	α Hydræ	9	23 7.97	+ 0.16	+2.51	47 5 54.32	46.838	+ 3.98	+1 3.5	9 23 10.65	.....	− 8 16 12.0	....
20	ξ Leonis	9	27 3.92	+ 0.13	+2.55	27 7 53.85	48.095	+ 3.98	+ 30.3	9 27 6.57	.....	+11 41 52.8	....
21	Moon I, N	9	28 44.49	+ 0.12	+2.52	18 51 54.28	44.957	+ 3.98	+ 20.2	9 28 47.13	+67.09	+19 59 14.4	....
	March 21, P.												
22	151 H^1. Cephei s. p.	9	7 44.06	+ 2.44	+2.34	304 11 51.10	46.243	+ 3.94	−1 27.2	4 7 48.84	.....	+85 19 24.2	....
23	β Herculis	9	26 18.97	+ 0.16	+2.30	17 9 47.22	46.480	+ 3.94	+ 18.5	16 26 21.46	.....	+21 40 48.4	....
24	ε Ursæ Minoris	9	55 12.03	− 1.08	+2.32	316 41 51.28	44.360	+ 3.94	− 56.0	16 55 13.27	.....	+82 10 47.3	....
25	ζ Draconis	9	8 30.30	− 0.14	+2.32	333 1 52.08	47.630	+ 3.94	− 30.2	17 8 32.48	.....	+65 49 5.5	....
26	σ Ophiuchi	9	22 0.43	+ 0.20	+2.32	34 37 48.15	45.408	+ 3.94	+ 41.2	17 22 2.94	.....	+ 4 12 49.3	....
27	158 H^1. Cephei s. p.	9	32 52.72	+ 2.74	+2.31	304 1 49.78	46.933	+ 3.94	−1 27.8	5 32 57.77	.....	+85 9 38.1	....
28	β Ophiuchi	9	38 59.00	+ 0.21	+2.30	34 13 48.85	47.558	+ 3.94	+ 40.6	17 39 1.52	.....	+ 4 36 0.1	....
29	ν Ophiuchi	9	54 1.54	+ 0.23	[+2.35]	48 35 49.20	46.310	+ 3.94	+1 7.7	17 54 4.07	.....	− 9 45 58.8	....
30	δ Ursæ Minoris	9	1 19.67	− 3.30	+2.30	312 15 49.10	45.763	+ 3.94	−1 5.3	18 1 18.67	.....	+86 36 26.7	....
31	η Serpentis	9	16 36.44	+ 0.23	[+2.17]	41 45 49.52	45.872	+ 3.94	+ 53.3	18 16 38.97	.....	− 2 55 34.7	....
32	3 H. Scuti	9	30 15.73	+ 0.24	[+2.23]	47 7 49.82	48.210	+ 3.94	+1 4.2	18 30 18.26	.....	− 8 18 39.3	....
33	θ Serpentis	9	51 41.83	+ 0.22	[+2.19]	34 45 48.08	45.245	+ 3.94	+ 41.3	18 51 44.34	.....	+ 4 4 53.0	....
	March 22, P.												
34	Sun I, S	9	3 18.99	+ 0.19	+2.17	38 37 51.08	45.537	+ 4.53	+ 45.0	0 3 21.35	+64.50	+ 0 12 39.2	....
35	Sun II, N	9	5 27.99	+ 0.19	+2.17	38 5 54.32	45.107	+ 4.53	+ 44.2	0 5 30.35	−64.50	+ 0 44 46.3	....
36	γ Orionis	9	20 15.49	+ 0.13	[+2.10]	32 33 46.60	47.690	+ 2.39	+ 35.7	5 20 17.68	.....	+ 6 16 5.8	....
37	δ Orionis	9	27 21.87	+ 0.14	[+2.06]	39 11 50.40	47.336	+ 2.35	+ 45.5	5 27 24.06	.....	− 0 21 59.7	....
38	ζ Orionis	9	36 10.44	+ 0.14	[+2.09]	40 49 48.42	45.887	+ 2.31	+ 48.3	5 36 12.63	.....	− 1 59 27.3	....
39	α Orionis	9	50 15.44	+ 0.13	[+2.09]	31 27 47.35	44.238	+ 2.24	+ 34.2	5 50 17.62	.....	+ 7 23 25.6	....
40	ζ Hydræ	9	50 36.79	+ 0.12	+2.01	32 33 49.08	44.460	+ 2.26	+ 36.1	8 50 38.90	.....	+ 6 17 16.8	....
41	α Hydræ	9	23 8.55	+ 0.13	+1.95	47 5 48.62	47.298	+ 2.26	+1 0.9	9 23 10.66	.....	− 8 16 12.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 18 52	30.002	45.1	42.2
21 24	30.086	49.6	47.5
23 12	30.086	52.6	50.2
21 0 2	30.077	53.0	52.0
5 20	30.010	54.5	53.1
5 43	......	....	52.0
5 50	......	....	51.7
6 19	30.000	51.9	50.7
8 27	29.998	47.4	45.8
8 54	......	....	44.3
9 29	29.994	45.2	43.1
16 4	29.900	38.2	37.0
16 23	......	....	36.7
16 51	......	....	36.2
17 2	29.894	37.8	36.2
17 45	......	....	36.2
18 6	29.884	38.0	36.3
18 20	......	....	36.7
18 55	29.886	38.8	38.0
22 0 5	29.850	60.8	63.8
5 18	29.788	68.0	67.6
5 40	......	....	66.8
5 52	29.794	67.0	66.1
8 49	29.802	61.8	61.5
9 20	......	....	60.6

Micrometer bisections are made at II, VI, except as noted below.

3, 25, 37.	Bisections at I, II, VI, VII.
4.	Bisections at I, VI, VII.
5, 34.	Bisections at I, II, III.
6, 35.	Bisections at V, VI, VII.
8, 15, 19, 20.	Bisections at I, II.
9, 22, 24, 27, 30.	Bisections at b_4, b_5, b_6.
21.	Bisections at II, III, IV, V, VI.
38.	Bisections at II, VI, VII.

Note.
9. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 15.3	− 19.6	...	− 4.3
4	+ 4.8	.. ....	− 0.1	+ 4.7
5	+ 5.5	+16 3.8	...	+16 9.3
6	+ 5.5	−16 3.9	...	−15 58.4
21	+17 52.2	−15 12.0	...	+ 2 40.2
34	+ 5.5	+16 3.5	...	+16 9.0
35	+ 5.4	−16 3.5	...	−15 58.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ξ Leonis	9	27 4.51	+ 0.12	+**1.96**	27 7 50.25	48.372	+ 2.26	+ 29.1	9 27 6.60	.....	+11 41 53.2	....
2	ζ Leonis	9	11 40.28	+ 0.10	+**1.97**	14 57 49.00	48.852	+ 2.26	+ 15.2	10 11 42.34	.....	+23 51 57.4	....
3	Moon I, N	9	19 47.31	+ 0.11	+1.96	23 11 49.40	48.771	+ 2.26	+ 24.4	10 19 49.38	+64.78	+15 37 49.7	....
4	41 Leonis Minoris	9	38 30.62	+ 0.10	+**1.96**	15 11 46.30	44.747	+ 2.26	+ 15.5	10 38 32.67	.....	+23 39 33.6	....
5	α Crateris	9	55 22.20	+ 0.11	+**1.92**	56 37 46.20	49.172	+ 2.26	+1 26.3	10 55 24.25	.....	−17 49 18.1	....
6	π Virginis	9	56 14.75	+ 0.12	+**1.87**	31 43 45.05	45.800	+ 2.26	+ 35.3	11 56 16.79	.....	+ 7 6 51.0	....
7	o Virginis	9	0 36.58	+ 0.12	+**1.92**	29 35 49.50	48.358	+ 2.26	+ 32.4	12 0 38.62	.....	+ 9 13 51.0	....
8	η Virginis	9	15 17.01	+ 0.13	+**1.99**	38 59 50.30	47.660	+ 2.26	+ 46.2	12 15 19.06	.....	− 0 10 7.6	....
9	Jupiter I, C	5	41 42.76	+ 0.13	+1.91	41 33 48.42	46.879	+ 2.26	+ 50.7	12 41 44.80	+ 1.54	− 2 45 35.4	....
10	Jupiter II	5	41 45.85	+ 0.13	+1.91	... .	......	....	. ....	12 41 47.89	− 1.55	.. ..	....
	March 22, L.												
11	Venus II, N	9	28 17.46	+ 0.14	+1.66	49 23 54.68	44.835	+ 3.73	+1 5.9	21 28 19.26	− 1.29	−10 33 28.6	....
12	Mercury C, C	9	25 20.09	+ 0.12	+1.62	44 55 54.12	47.400	+ 3.51	+ 55.4	23 25 21.83	− 0.01	− 6 6 15.9	....
	March 23, L.												
13	Sun I, N	9	6 57.87	+ 0.12	+1.61	37 41 52.40	46.147	+ 4.37	+ 42.8	0 6 59.60	+64.48	+ 1 8 26.3	....
14	Sun II, S	9	9 6.84	+ 0.12	+1.61	38 13 50.25	46.593	+ 4.37	+ 43.6	0 9 8.57	−64.49	+ 0 36 17.2	....
15	γ Orionis	9	20 16.16	− 0.02	[+**1.57**]	32 33 50.30	47.448	+ 3.55	+ 35.5	5 20 17.64	.....	+ 6 16 6.6	....
16	δ Orionis	9	27 22.48	− 0.01	[+**1.59**]	39 11 57.45	46.935	+ 3.53	+ 45.4	5 27 23.96	.....	− 0 21 58.8	....
17	ζ Orionis	9	36 11.06	− 0.01	[+**1.61**]	40 49 51.22	45.692	+ 3.51	+ 48.1	5 36 12.54	.....	− 1 59 26.7	....
18	κ Orionis	9	43 27.43	− 0.01	[+**1.53**]	48 31 52.88	46.901	+ 3.48	+1 3.0	5 43 28.91	.....	− 9 42 10.8	....
19	α Orionis	9	50 16.09	− 0.02	[+**1.58**]	31 27 50.78	44.032	+ 3.46	+ 34.1	5 50 17.56	.....	+ 7 23 25.7	....
20	δ Ursæ Minoris s. p.	9	1 13.78	+ 4.58	+1.48	305 29 46.80	43.567	+ 3.43	−1 17.8	18 1 19.84	.....	+86 36 27.7	....
21	8 Monocerotis	9	18 58.24	− 0.02	[+**1.58**]	34 11 51.30	46.765	+ 3.37	+ 38.0	6 18 59.70	.....	+ 4 38 18.9	....
22	51 H. Cephei	9	58 46.89	− 5.13	+1.46	311 39 47.58	47.170	+ 3.28	−1 2.6	6 58 43.22	.....	+87 11 54.0	....
23	α Hydræ	9	23 9.24	+ 0.02	+**1.36**	47 5 54.40	46.905	+ 2.80	+1 2.1	9 23 10.67	.....	− 8 16 10.9	....
24	ξ Leonis	9	27 5.19	0.00	+**1.39**	27 7 53.92	48.095	+ 2.80	+ 29.6	9 27 6.60	.....	+11 41 54.9	....
25	ζ Leonis	9	11 40.94	+ 0.01	+**1.39**	14 57 52.75	48.615	+ 2.72	+ 15.6	10 11 42.35	.....	+23 51 58.2	....
26	41 Leonis Minoris	9	38 31.26	+ 0.02	+**1.40**	15 11 52.60	44.415	+ 2.64	+ 15.9	10 38 32.67	.....	+23 39 34.1	....
27	d Leonis	9	55 54.36	+ 0.04	+**1.40**	34 43 53.65	47.515	+ 2.59	+ 40.5	10 55 55.78	.....	+ 4 5 57.7	....
28	Moon I, N	9	7 47.77	+ 0.04	+1.38	28 11 53.28	46.584	+ 2.56	+ 31.3	11 7 49.19	+62.91	+10 38 28.6	....
29	δ Crateris	9	14 50.04	+ 0.05	+**1.28**	53 7 53.60	44.695	+ 2.54	+1 17.8	11 14 51.47	.....	−14 17 35.0	....
30	τ Leonis	9	23 18.13	+ 0.05	+**1.41**	35 29 53.10	44.695	+ 2.52	+ 41.7	11 23 19.55	.....	+ 3 21 1.6	....
31	η Virginis	9	15 17.71	+ 0.06	+**1.36**	38 59 54.70	47.400	+ 2.37	+ 47.5	12 15 19.12	.....	− 0 10 7.5	....
32	ρ Virginis	9	37 19.46	+ 0.05	+**1.41**	28 5 54.45	48.415	+ 2.33	+ 31.4	12 37 20.86	.....	+10 43 45.7	....
33	Jupiter I, C	5	41 15.52	+ 0.06	+1.35	41 31 53.05	43.985	+ 2.33	+ 52.0	12 41 16.93	+ 1.55	− 2 42 35.3	....
34	Jupiter II	5	41 18.62	+ 0.06	+1.35	... .	......	....	. ....	12 41 20.03	− 1.55	.. ..	....
35	35 Virginis	9	43 16.07	+ 0.06	+**1.36**	34 45 53.60	48.190	+ 2.33	+ 40.8	12 43 17.47	.....	+ 4 3 42.3	....
36	δ Virginis	9	51 3.79	+ 0.06	+**1.37**	34 57 54.10	44.645	+ 2.33	+ 41.1	12 51 5.19	.....	+ 3 53 2.5	....
	March 24, M.												
37	Sun I, N	9	10 36.38	+ 0.11	+1.22	37 17 50.85	47.172	+ 4.32	+ 43.7	0 10 37.71	+64.43	+ 1 32 3.6	....
38	Sun II, S	9	12 45.24	+ 0.11	+1.22	37 49 50.45	47.395	+ 4.32	+ 44.6	0 12 46.57	−64.43	+ 0 59 57.7	....
39	γ Orionis	9	20 16.42	+ 0.06	[+**1.21**]	32 33 51.35	47.485	+ 3.37	+ 35.7	5 20 17.59	.....	+ 6 16 4.7	....
40	δ Orionis	9	27 22.78	+ 0.07	[+**1.19**]	39 11 54.88	47.142	+ 3.30	+ 45.6	5 27 23.96	.....	− 0 22 0.8	....
41	ζ Orionis	9	36 11.36	+ 0.07	[+**1.21**]	40 49 50.95	45.808	+ 3.23	+ 48.3	5 36 12.54	.....	− 1 59 29.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 9 30	29.800	61.5	60.1
10 10	......	....	59.0
10 25	29.793	60.0	58.9
10 45	......	....	58.1
10 58	......	....	58.0
11 11	29.810	58.1	....
12 3	29.816	58.0	57.0
12 43	29.814	56.9	56.1
21 28	29.900	60.9	62.9
23 25	29.910	69.0	71.8
23 0 9	29.904	70.4	73.1
5 21	29.906	70.8	71.2
5 40	......	....	70.2
6 4	......	....	69.4
6 22	29.900	68.1	68.9
7 2	29.912	67.1	67.1
9 21	29.970	55.8	54.0
10 12	......	....	50.9
10 39	......	....	49.0
10 52	29.970	50.8	48.4
11 15	......	....	47.9
12 16	29.960	48.0	45.8
12 52	29.960	47.1	45.0
24 0 13	29.957	56.0	56.2
5 20	29.866	67.8	68.0
5 36	......	....	68.0

Micrometer bisections are made at II, VI, except as noted below.

3, 28.	Bisections at II, III, IV, V, VI.
4.	Bisections at II, VI, VII.
9, 33.	Z. D. threads A used.
9, 11, 12, 18, 29.	Bisections at I, II, VI, VII.
13, 37.	Bisections at I, II, III.
14, 38.	Bisections at V, VI, VII.
16.	Bisections at I, II.
20, 22.	Bisections at b_4, b_5, b_6.
33.	Bisections at I, II, VI.

Notes.

16. Hazy.
18. Very unsteady.
23. Unsteady; diffuse.
29. Very diffuse.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+21 38.0	−15 4.3	...	+ 6 33.7
9	+ 1.3	.. ....	...	+ 1.3
11	+ 14.8	− 19.0	...	− 4.2
12	+ 4.7	.. ....	− 0.1	+ 4.6
13	+ 5.4	−16 4.5	...	−15 59.1
14	+ 5.4	+16 4.6	...	+16 10.0
28	+25 46.5	−14 57.8	...	+10 48.7
33	+ 1.3	.. ....	...	+ 1.3
37	+ 5.3	−16 2.9	...	−15 57.6
38	+ 5.4	+16 2.9	...	+16 8.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Orionis	9	43 27.71	+ 0.08	[+**1.14**]	48 31 52.22	47.015	+ 3.17	+1 3.3	5 43 28.89	.....	− 9 42 12.8	....
2	α Orionis	9	50 16.36	+ 0.06	[+**1.21**]	31 27 51.45	44.078	+ 3.11	+ 34.3	5 50 17.52	.....	+ 7 23 24.2	....
3	δ Ursæ Minoris s. p.	9	1 16.06	+ 3.66	+1.10	305 29 50.75	43.372	+ 3.02	−1 18.2	18 1 20.82	.....	+86 36 26.4	....
4	8 Monocerotis	9	18 58.56	+ 0.07	[+**1.15**]	34 11 51.60	46.818	+ 2.86	+ 38.3	6 18 59.72	.....	+ 4 38 17.6	....
5	α Crateris	9	55 23.22	+ 0.07	+**0.93**	56 37 52.52	48.915	+ 3.27	+1 26.3	10 55 24.29	.....	−17 49 19.5	....
6	θ Leonis	9	9 31.21	+ 0.06	+**0.98**	22 55 50.45	45.075	+ 3.27	+ 24.1	11 9 32.26	.....	+15 55 12.4	....
7	δ Crateris	9	14 50.34	+ 0.07	+**0.96**	53 7 50.45	45.064	+ 3.27	+1 15.6	11 14 51.40	.....	−14 17 38.8	....
8	τ Leonis	9	23 18.52	+ 0.07	+**1.01**	35 29 50.90	44.895	+ 3.27	+ 40.5	11 23 19.58	.....	+ 3 20 59.7	....
9	υ Leonis	9	32 20.45	+ 0.07	+**0.95**	39 9 51.52	46.552	+ 3.27	+ 46.2	11 32 21.50	.....	− 0 19 44.5	....
10	β Virginis	9	46 0.47	+ 0.07	+**0.97**	36 33 51.95	46.936	+ 3.27	+ 42.2	11 46 1.52	.....	+ 2 16 10.3	....
11	Moon I, N	9	53 33.88	+ 0.07	+0.98	33 33 49.70	46.471	+ 3.27	+ 37.7	11 53 34.93	+61.64	+ 5 16 27.6	....
12	η Virginis	9	15 18.03	+ 0.07	+**1.04**	38 59 52.35	47.576	+ 3.27	+ 46.1	12 15 19.07	.....	− 0 10 8.6	....
13	Jupiter I, C	5	40 48.20	+ 0.07	+0.96	41 27 51.02	46.701	+ 3.27	+ 50.2	12 40 49.23	+ 1.50	− 2 39 34.4	....
14	Jupiter II	5	40 51.21	+ 0.07	+0.96	... .	......	....	. ....	12 40 52.24	− 1.51	.. ..	....
	March 24, P.												
15	ε Ursæ Minoris	9	55 14.20	− 1.17	+0.83	316 41 50.18	44.283	+ 3.34	− 53.3	16 55 13.86	.....	+82 10 48.1	....
16	ζ Draconis	9	8 31.96	− 0.23	+0.82	333 1 51.42	47.619	+ 3.34	− 28.8	17 8 32.55	.....	+65 49 5.6	....
17	σ Ophiuchi	9	22 2.09	+ 0.07	+**0.88**	34 37 48.32	45.530	+ 3.34	+ 39.3	17 22 2.98	.....	+ 4 12 48.9	....
18	158 H. Cephei s. p.	9	32 54.39	+ 2.49	+0.81	304 1 48.88	46.802	+ 3.34	−1 23.7	5 32 57.69	.....	+85 9 37.7	....
19	β Ophiuchi	9	39 0.72	+ 0.07	+**0.81**	34 13 47.48	47.732	+ 3.34	+ 38.8	17 39 1.60	.....	+ 4 35 59.9	....
20	ν Ophiuchi	9	54 3.30	+ 0.08	[+**0.83**]	48 35 50.12	46.460	+ 3.34	+1 4.5	17 54 4.19	.....	− 9 45 59.3	....
21	η Serpentis	8	16 38.15	+ 0.08	[+**0.70**]	41 45 46.72	46.168	+ 3.34	+ 50.8	18 16 39.03	.....	− 2 55 35.6	....
22	3 H. Scuti	9	30 17.42	+ 0.08	[+**0.79**]	47 7 49.80	48.393	+ 3.34	+1 1.4	18 30 18.29	.....	− 8 18 40.0	....
23	θ Serpentis	9	51 43.53	+ 0.07	[+**0.73**]	34 45 48.38	45.351	+ 3.34	+ 39.5	18 51 44.39	.....	+ 4 4 52.7	....
24	δ Draconis	9	12 30.78	− 0.26	+0.78	331 21 49.98	46.018	+ 3.34	− 30.9	19 12 31.30	.....	+67 29 45.7	....
25	Venus II, N	9	33 20.98	+ 0.06	+0.76	49 19 49.92	44.244	+ 3.76	+1 5.1	21 33 21.80	− 1.25	−10 29 9.5	....
	March 25, P.												
26	Sun I, N	8	14 15.25	+ 0.01	+0.70	36 53 51.50	48.390	+ 3.45	+ 41.2	0 14 15.96	+64.40	+ 1 55 38.5	....
27	Sun II, S	9	16 24.06	+ 0.01	+0.70	37 25 50.68	48.617	+ 3.45	+ 42.0	0 16 24.77	−64.41	+ 1 23 33.1	....
28	γ Orionis	9	20 17.10	− 0.05	[+**0.62**]	32 33 46.55	47.640	+ 4.52	+ 34.7	5 20 17.67	.....	+ 6 16 5.8	....
29	δ Orionis	9	27 23.48	− 0.04	[+**0.58**]	39 11 45.98	47.470	+ 4.52	+ 44.3	5 27 24.06	.....	− 0 21 59.3	....
30	ζ Orionis	9	36 12.03	− 0.04	[+**0.63**]	40 49 45.48	45.952	+ 4.52	+ 47.0	5 36 12.60	.....	− 1 59 26.8	....
31	κ Orionis	9	43 28.34	− 0.04	[+**0.61**]	48 31 48.05	47.190	+ 4.52	+1 1.5	5 43 28.91	.....	− 9 42 12.1	....
32	α Orionis	9	50 17.01	− 0.05	[+**0.65**]	31 27 47.28	44.160	+ 4.52	+ 33.3	5 50 17.57	.....	+ 7 23 26.0	....
33	8 Monocerotis	9	18 59.17	− 0.05	[+**0.64**]	34 11 48.90	46.872	+ 4.52	+ 37.2	6 18 59.72	.....	+ 4 38 18.5	....
34	δ Draconis s. p.	9	12 29.89	+ 1.00	+0.58	286 23 42.90	46.433	+ 4.52	−3 2.8	19 12 31.47	.....	+67 29 45.4	....
35	β Virginis	9	46 1.02	+ 0.01	+**0.49**	36 33 50.98	46.858	+ 5.33	+ 41.5	11 46 1.52	.....	+ 2 16 11.7	....
36	π Virginis	9	56 16.31	0.00	+**0.45**	31 43 49.42	45.492	+ 5.33	+ 34.7	11 56 16.79	.....	+ 7 6 51.2	....
37	ο Virginis	9	0 38.13	0.00	+**0.50**	29 35 50.32	48.192	+ 5.33	+ 31.9	12 0 38.61	.....	+ 9 13 51.4	....
38	η Virginis	9	15 18.69	+ 0.01	+**0.45**	38 59 50.90	47.512	+ 5.33	+ 45.4	12 15 19.18	.....	− 0 10 7.1	....
39	Moon N	.	.. ..	....	....	39 5 51.15	43.908	+ 5.33	+ 45.7	.. ..	.....	− 0 14 49.2	....
40	Moon II, S	9	40 2.77	+ 0.01	+0.47	39 35 54.48	44.053	+ 5.33	+ 46.5	12 40 3.25	−61.04	− 0 44 48.7	....
41	35 Virginis	9	43 17.01	0.00	+**0.50**	34 45 52.68	48.170	+ 5.33	+ 39.1	12 43 17.48	.....	+ 4 3 42.4	....
	March 26, L.												
42	η Virginis	9	15 19.27	+ 0.02	−**0.14**	38 59 51.30	47.465	+ 5.46	+ 46.0	12 15 19.14	.....	− 0 10 7.1	....
43	Jupiter I, C	5	39 53.19	+ 0.02	−0.16	41 21 51.35	46.431	+ 5.46	+ 50.2	12 39 53.05	+ 1.53	− 2 33 30.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 6 19	29.850	64.8	63.8
10 55	29.834	60.2	58.6
11 23	......	....	59.8
11 54	29.826	60.3	58.8
12 15	......	....	58.6
12 41	29.820	58.6	59.1
16 53	29.760	59.3	58.0
17 17	......	....	57.3
17 42	29.762	59.0	57.0
18 4	......	....	56.9
18 37	29.770	58.0	56.8
18 57	......	....	56.8
19 15	29.774	58.1	57.0
21 32	29.790	65.0	66.0
25 0 16	29.784	73.3	76.2
5 18	29.712	77.0	80.0
5 40	......	....	79.2
5 55	......	....	78.3
6 21	29.720	74.2	76.7
7 14	29.733	73.1	75.0
11 43	29.790	65.5	65.9
12 7	......	....	65.0
12 45	29.798	63.0	63.0
26 12 16	29.960	60.9	62.1

Micrometer bisections are made at II, VI, except as noted below.

3, 15, 18, 34.	Bisections at b_1, b_3, b_5.
5, 7–10, 12, 13, 16, 23–25, 43.	Bisections at I, II, VI, VII.
11.	Bisections at II, III, IV, V, VI.
13, 43.	Z. D. threads A used.
22.	Bisections at II. VI, VII.
26, 39.	Bisections at I, II, III.
27, 40.	Bisections at V, VI, VII.

Notes.

3.	Faint; poor.
7, 8.	Poor; fuzzy.
42.	Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+30 0.0	−14 52.5	...	+15 7.5
13	+ 1.3	.. ....	...	+ 1.3
25	+ 14.4	− 18.4	...	− 4.0
26	+ 5.3	−16 2.7	...	−15 57.4
27	+ 5.3	+16 2.7	...	+16 8.0
39	+34 4.5	−14 49.0	...	+19 15.5
40	+34 26.5	+14 49.0	− 0.5	+49 15.0
43	+ 1.3	.. ....	...	+ 1.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Jupiter II	5	39 56.24	+ 0.02	−0.16	... .	......	....	. ....	12 39 56.10	− 1.52	.. ..	....
2	35 Virginis	9	43 17.66	+ 0.03	**−0.17**	34 45 51.18	48.232	+ 5.46	+ 39.6	12 43 17.53	.....	+ 4 3 41.9	....
3	δ Virginis	9	51 5.42	+ 0.03	**−0.20**	34 57 51.98	44.655	+ 5.46	+ 39.9	12 51 5.29	.....	+ 3 53 2.5	....
4	θ Virginis	9	5 18.48	+ 0.02	**−0.17**	43 53 52.92	45.770	+ 5.46	+ 55.1	13 5 18.33	.....	− 5 3 39.1	....
5	Moon II, S	8	24 6.02	+ 0.02	−0.17	45 3 51.95	44.832	+ 5.46	+ 57.5	13 24 5.87	−61.12	− 6 13 19.1	....
6	ζ Virginis	9	30 7.52	+ 0.02	**−0.16**	38 57 51.60	47.945	+ 5.46	+ 46.5	13 30 7.36	.....	− 0 8 18.9	....
7	m Virginis	9	36 54.31	+ 0.02	**−0.18**	47 5 52.62	43.988	+ 5.46	+1 1.9	13 36 54.15	.....	− 8 15 4.9	....
8	ι Virginis	9	11 18.66	+ 0.02	**−0.17**	44 23 52.60	47.775	+ 5.46	+ 56.7	14 11 18.49	.....	− 5 34 26.2	....
	March 27, M.												
9	Moon II, S	9	8 41.35	+ 0.01	−0.53	50 17 58.22	46.405	+ 4.85	+1 10.6	14 8 40.83	−61.86	−11 28 13.8	....
10	ι Virginis	9	11 19.08	+ 0.01	**−0.56**	44 24 4.02	47.360	+ 4.85	+ 57.4	14 11 18.56	.....	− 5 34 28.0	....
11	2 Libræ	9	18 36.31	+ 0.01	−0.53	50 7 55.28	46.912	+ 4.85	+1 10.2	14 18 35.79	− 0.88	−11 18 22.0	+ 8.1
12	μ Virginis	9	38 20.27	+ 0.01	**−0.47**	44 5 55.98	47.128	+ 4.85	+ 56.8	14 38 19.74	.....	− 5 16 14.3	....
13	α Libræ	9	45 55.21	0.00	**−0.58**	54 29 53.00	46.147	+ 4.85	+1 22.1	14 45 54.67	.....	−15 40 14.1	....
14	ξ² Libræ	8	51 54.27	+ 0.01	**−0.55**	49 53 55.35	43.308	+ 4.85	+1 9.6	14 51 53.74	.....	−11 2 59.1	....
15	β Libræ	9	12 10.98	+ 0.01	**−0.53**	47 53 53.90	44.295	+ 4.85	+1 4.9	15 12 10.44	.....	− 9 3 15.6	....
	March 28, M.												
16	Sun I, S	9	25 10.68	+ 0.12	−0.78	36 15 54.25	46.963	+ 5.15	+ 41.6	0 25 10.02	+64.41	+ 2 34 6.2	....
17	Sun II, N	9	27 19.50	+ 0.12	−0.78	35 43 56.15	46.707	+ 5.15	+ 40.8	0 27 18.84	−64.41	+ 3 6 10.7	....
	March 28, P.												
18	Moon II, S	9	54 41.06	− 0.01	−1.17	55 7 55.00	46.334	+ 4.32	+1 21.1	14 54 39.88	−63.18	−16 18 18.9	....
19	ι Libræ	9	7 7.23	− 0.01	**−1.16**	58 15 51.75	48.435	+ 4.24	+1 31.4	15 7 6.04	.....	−19 27 13.9	....
20	β Libræ	9	12 11.60	0.00	**−1.12**	47 53 53.68	44.418	+ 4.21	+1 2.6	15 12 10.42	.....	− 9 3 15.2	....
21	32 Libræ	9	23 12.65	− 0.01	**−1.22**	55 13 53.30	46.462	+ 4.15	+1 21.4	15 23 11.46	.....	−16 24 20.3	....
22	γ Libræ	9	30 31.31	− 0.01	**−1.22**	53 19 52.75	44.625	+ 4.12	+1 15.8	15 30 30.11	.....	−14 29 32.0	....
23	β¹ Scorpii	9	0 13.91	− 0.01	**−1.26**	58 23 53.90	44.382	+ 3.96	+1 31.5	16 0 12.70	.....	−19 33 43.2	....
24	σ Ophiuchi	9	22 4.37	0.00	**−1.21**	34 37 49.85	45.405	+ 3.63	+ 39.4	17 22 3.15	.....	+ 4 12 49.8	....
25	β Ophiuchi	9	39 2.95	0.00	**−1.24**	34 13 47.12	47.695	+ 3.58	+ 39.0	17 39 1.72	.....	+ 4 36 0.7	....
26	ν Ophiuchi	9	54 5.52	0.00	**−1.19**	48 35 50.58	46.375	+ 3.54	+1 4.9	17 54 4.28	.....	− 9 45 58.5	....
27	η Serpentis	9	16 40.36	0.00	**[−1.31]**	41 45 47.42	46.090	+ 3.47	+ 51.0	18 16 39.12	.....	− 2 55 34.8	....
28	3 H. Scuti	9	30 19.58	0.00	**[−1.17]**	47 7 49.92	48.328	+ 3.43	+1 1.7	18 30 18.33	.....	− 8 18 39.1	....
29	θ Serpentis	5	51 45.70	0.00	**[−1.26]**	34 45 48.08	45.325	+ 3.40	+ 39.8	18 51 44.44	.....	+ 4 4 53.2	....
30	δ Draconis	9	12 33.03	− 0.24	−1.26	331 21 49.58	46.032	+ 3.40	− 31.0	19 12 31.53	.....	+67 29 45.8	....
31	Venus II, N	9	44 21.55	+ 0.02	−1.29	49 3 47.92	44.978	+ 4.07	+1 5.2	21 44 20.28	− 1.17	−10 13 24.7	....
	March 29, P.												
32	Sun I, S	9	28 49.51	− 0.04	−1.35	35 51 52.22	48.728	+ 4.09	+ 40.1	0 28 48.12	+64.45	+ 2 57 30.5	....
33	Sun II, N	9	30 58.42	− 0.04	−1.35	35 19 52.75	48.565	+ 4.09	+ 39.3	0 30 57.03	−64.46	+ 3 29 34.2	....
	March 30, M.												
34	Sun I, S	9	32 28.13	− 0.08	−1.80	35 29 49.02	45.358	+ 3.14	+ 39.1	0 32 26.25	+64.41	+ 3 20 52.6	....
35	Sun II, N	9	34 36.94	− 0.08	−1.80	34 57 51.42	45.240	+ 3.14	+ 38.3	0 34 35.06	−64.40	+ 3 52 53.5	....
	March 31, P.												
36	η Ophiuchi	9	4 16.06	− 0.06	**−2.74**	54 25 46.50	48.532	+ 3.36	+1 20.7	17 5	.....	−15 36 59.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 12 49	......	....	60.2
13 8	29.974	59.0	57.2
13 37	......	....	55.0
14 12	29.982	55.9	52.0
27 14 9	......	....	47.2
14 19	30.040	48.7	....
14 38	......	....	46.9
14 52	......	....	46.8
15 12	30.032	48.3	46.2
28 0 27	29.956	60.0	61.8
14 50	29.926	61.0	63.0
15 14	......	....	62.4
15 32	29.929	61.3	64.0
16 2	29.942	63.0	64.3
17 20	29.970	62.0	60.0
17 44	......	....	57 0
18 0	29.989	58.9	58 0
18 20	......	....	59.0
18 33	......	....	58.1
18 57	......	....	57.5
19 15	30.010	58.4	59.9
21 43	30.064	63.0	65 0
29 0 31	30.088	73.8	76 2
30 0 35	30.000	76.2	80.2
31 17 3	30.026	55.8	54.0

Micrometer bisections are made at II, VI, except as noted below.

5, 9, 18.	Bisections at II, III, IV, V, VI.
10.	Bisections at VI, VII.
13, 22.	Bisections at II, VI, VII.
15, 23, 30, 31.	Bisections at I, II, VI, VII.
16, 32, 34.	Bisections at I, II, III.
17, 33, 35.	Bisections at V, VI, VII.

Notes.

15.	Clouds; poor.
19–30.	Hazy.
29.	Very faint.
36.	Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ′	″	′ ″
5	+38 9.5	+14 45.7	...	+52 55.2
9	+41 26.5	+14 44.6	...	+56 11.1
16	+ 5.2	+16 2.2	...	+16 7.4
17	+ 5.1	−16 2.2	...	−15 57.1
18	+44 14.1	+14 45.2	...	+58 59.3
31	+ 13.5	− 17.3	...	− 3.8
32	+ 5.1	+16 1.8	...	+16 6.9
33	+ 5.1	−16 1.9	...	−15 56.8
34	+ 5.1	+16 0.4	...	+16 5.5
35	+ 5.0	−16 0.4	...	−15 55.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	σ Ophiuchi	9	22 5.98	− 0.04	**−2.70**	34 37 46.70	45.505	+ 3.41	+ 39.9	17 22	.....	+ 4 12 50.4	....
2	Moon II, S.	9	27 32.19	− 0.07	−2.70	65 9 46.25	45.174	+ 3.43	+2 4.4	17 27 29.42	−68.94	−26 20 26.1	....
3	ξ Serpentis	5	32 28.89	− 0.06	**−2.68**	54 9 45.40	47.817	+ 3.44	+1 20.0	17 32	.....	−15 20 41.1	....
4	γ Sagittarii	6	0 4.53	− 0.08	....	69 13 45.95	47.070	+ 3.53	+2 31.6	18 0	.....	−30 25 36.3	....
	April 1, P.												
5	Sun I, N.	9	39 45.63	− 0.09	−2.85	34 11 50.58	43.872	+ 3.62	+ 38.5	0 39 42.69	+64.51	+ 4 39 25.1	....
6	Sun II, S.	9	41 54.64	− 0.09	−2.85	34 43 49.18	43.992	+ 3.62	+ 39.2	0 41 51.70	−64.50	+ 4 7 22.9	....
	April 1, L.												
7	Mercury C, C.	9	34 4.54	− 0.04	−3.41	36 39 52.08	46.740	+ 3.97	+ 41.6	0 34 1.09	0.00	+ 2 10 14.5	....
	April 2, L.												
8	Sun I, S.	4	43 24.53	− 0.04	−3.42	34 19 52.42	46.223	+ 3.97	+ 38.2	0 43 21.07	+64.51	+ 4 30 29.5	....
9	Sun II, N.	8	45 33.55	− 0.04	−3.42	33 47 51.28	46.232	+ 3.97	+ 37.4	0 45 30.09	−64.51	+ 5 2 31.0	....
10	γ Orionis	9	20 21.09	− 0.08	**[−3.46]**	32 33 52.20	47.390	+ 3.28	+ 35.6	5 20 17.52	.....	+ 6 16 6.2	....
11	δ Orionis	9	27 27.43	− 0.09	**[−3.44]**	39 11 54.22	47.125	+ 3.28	+ 45.4	5 27 23.85	.....	− 0 21 59.5	....
12	ζ Orionis	9	36 15.98	− 0.09	**[−3.40]**	40 49 52.10	45.658	+ 3.28	+ 48.2	5 36 12.40	.....	− 1 59 26.7	....
13	κ Orionis	9	43 32.30	− 0.09	**[−3.43]**	48 31 53.55	46.872	+ 3.28	+1 3.0	5 43 28.71	.....	− 9 42 10.6	....
14	α Orionis	9	50 20.98	− 0.08	**[−3.42]**	31 27 52.20	43.975	+ 3.28	+ 34.1	5 50 17.40	.....	+ 7 23 25.8	....
15	δ Ursæ Minoris S. P.	9	1 23.67	+ 2.49	−3.50	305 29 48.78	43.510	+ 3.28	−1 17.8	18 1 22.66	.....	+86 36 28.2	....
16	8 Monocerotis	9	19 3.12	− 0.08	**[−3.41]**	34 11 52.42	46.722	+ 3.28	+ 38.0	6 18 59.53	.....	+ 4 38 18.9	....
	April 2, P.												
17	Jupiter I, C.	5	36 38.62	− 0.09	−3.58	41 1 47.35	43.578	+ 2.68	+ 49.8	12 36 34.95	+ 1.49	− 2 12 18.4	....
18	Jupiter II	5	36 41.61	− 0.09	−3.58	... .	......	....	. ....	12 36 37.94	− 1.50	.. ..	....
19	δ Virginis	9	51 8.98	− 0.09	**−3.59**	34 57 47.32	44.992	+ 2.68	+ 40.0	12 51 5.30	.....	+ 3 53 2.1	....
20	ε Virginis	9	57 46.68	− 0.09	**−3.56**	27 23 48.90	46.995	+ 2.68	+ 29.7	12 57 43.00	.....	+11 26 25.0	....
21	θ Virginis	9	5 22.07	− 0.09	**−3.58**	43 53 48.15	46.152	+ 2.68	+ 55.1	13 5 18.39	.....	− 5 3 40.3	....
22	α Virginis	9	20 31.79	− 0.09	**−3.61**	49 31 49.10	45.578	+ 2.68	+1 7.1	13 20 28.10	.....	−10 41 40.1	....
23	ζ Virginis	9	30 11.18	− 0.09	**−3.63**	38 57 49.35	48.202	+ 2.68	+ 46.4	13 30 7.49	.....	− 0 8 19.7	....
24	m Virginis	9	36 57.94	− 0.09	**−3.61**	47 5 47.50	44.415	+ 2.68	+1 1.6	13 36 54.24	.....	− 8 15 6.4	....
	April 5, P.												
25	Sun I, S.	9	54 22.26	− 0.08	−4.88	33 11 48.62	44.122	+ 3.44	+ 36.1	0 54 17.30	+64.54	+ 5 39 24.0	....
26	Sun II, N.	9	56 31.34	− 0.08	−4.88	32 39 48.78	44.152	+ 3.44	+ 35.4	0 56 26.38	−64.54	+ 6 11 23.6	....
	April 5, L.												
27	σ Ophiuchi	9	22 8.71	− 0.10	**−5.23**	34 37 51.35	45.450	+ 2.08	+ 38.6	17 22 3.31	.....	+ 4 12 49.6	....
28	β Ophiuchi	9	39 7.36	− 0.09	**−5.33**	34 13 51.68	47.610	+ 2.08	+ 38.0	17 39 1.96	.....	+ 4 36 0.5	....
29	ν Ophiuchi	9	54 9.98	− 0.09	**−5.32**	48 35 53.28	46.398	+ 2.08	+1 3.3	17 54 4.58	.....	− 9 45 58.6	....
30	δ Ursæ Minoris	4	1 32.62	− 2.94	−5.31	312 15 47.85	45.688	+ 2.08	−1 1.2	18 1 24.37	.....	+86 36 27.4	....
31	η Serpentis	9	16 44.72	− 0.07	**−5.36**	41 45 51.22	46.052	+ 2.08	+ 49.9	18 16 39.33	.....	− 2 55 35.3	....
32	3 H. Scuti	9	30 24.07	− 0.07	**[−5.35]**	47 7 52.30	48.352	+ 2.08	+1 0.2	18 30 18.68	.....	− 8 18 39.2	....
33	θ Serpentis	9	51 50.11	− 0.05	**[−5.38]**	34 45 52.68	45.198	+ 2.08	+ 38.8	18 51 44.73	.....	+ 4 4 53.9	....
34	51 H. Cephei S. P.	6	58 39.48	+ 3.52	−5.33	306 3 49.20	47.313	+ 2.08	−1 16.2	6 58 37.67	.....	+87 11 55.8	....
	April 6, M.												
35	σ Ophiuchi	9	22 9.04	− 0.03	**−5.61**	34 37 53.10	45.330	+ 2.09	+ 39.7	17 22	.....	+ 4 12 49.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
31 17 18	......	....	54.0
17 40	......	....	54.0
18 4	30.040	55.0	54.0
1 0 42	30.030	64.4	64.2
0 34	......	....	69.1
0 46	29.960	68.2	69.8
2 5 21	29.902	70.8	70.8
5 37	......	....	70.0
5 51	......	....	69.9
6 2	......	....	69.2
6 20	29.904	69.2	68.8
12 34	29.936	59.0	57.1
12 55	......	....	57.0
13 24	......	....	56.6
13 39	29.930	58.2	56.6
5 0 57	29.770	68.8	73.0
17 23	29.514	63.8	62.4
17 52	......	....	62.1
18 17	29.514	63.7	62.0
18 31	......	....	62.0
18 52	......	....	62.0
19 2	29.516	63.4	62.0
6 17 22	29.490	49.6	47.5

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at II, III, IV, V, VI.
3.	Bisections at II, VI, VII.
4.	Bisections at I, VI.
5, 8, 25.	Bisections at I, II, III.
6, 9, 26.	Bisections at V, VI, VII.
7, 17.	Bisections at I, II, VI, VII.
15.	Bisections at b_4, b_5, b_6.
17.	Z. D. threads A used.
30.	Bisections at b_3, b_4, b_5.
34.	Bisections at b_2, b_5, b_6.

Notes.

3, 4, 27, 30.	Clouds.
15, 32, 34.	Very faint.
17–24.	Hazy.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+49 48.4	+15 0.7	...	+64 49.1
5	+ 4.9	−16 1.0	...	−15 56.1
6	+ 5.0	+16 1.1	...	+16 6.1
7	+ 3.9	.. ....	0.0	+ 3.9
8	+ 4.9	+16 0.8	...	+16 5.7
9	+ 4.9	−16 0.7	...	−15 55.8
17	+ 1.3	.. ....	...	+ 1.3
25	+ 4.8	+15 59.8	...	+16 4.6
26	+ 4.7	−15 59.7	...	−15 55.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	158 H¹. Cephei s. p.	9	32 58.28	+ 1.30	−5.66	304 1 54.82	46.580	+ 2.21	−1 24.6	5 32 53.92	.....	+85 9 36.5	....
2	β Ophiuchi	9	39 7.67	− 0.03	−5.67	34 13 52.25	47.560	+ 2.28	+ 39.2	17 39	.....	+ 4 35 59.7	....
3	δ Ursæ Minoris	9	1 32.00	− 1.60	−5.67	312 15 53.48	45.510	+ 2.52	−1 3.0	18 1 24.73	.....	+86 36 27.3	....
4	η Serpentis	9	16 45.07	− 0.04	−5.72	41 45 53.50	45.855	+ 2.68	+ 51.4	18 16	.....	− 2 55 35.2	....
5	3 H. Scuti	9	30 24.40	− 0.04	[−5.68]	47 7 54.10	48.162	+ 2.83	+1 2.0	18 30	.....	− 8 18 39.2	....
6	θ Serpentis	9	51 50.42	− 0.03	[−5.68]	34 45 51.82	45.195	+ 2.95	+ 39.9	18 51	.....	+ 4 4 52.8	....
7	Venus II, N	9	12 33.01	0.00	−5.82	47 53 50.75	48.326	+ 2.93	+1 3.8	22 12 27.19	− 1.02	− 9 4 41.5	....
	April 7, P.												
8	σ Ophiuchi	9	22 9.58	+ 0.09	−6.24	34 37 47.60	45.510	+ 1.67	+ 40.8	17 22 3.37	.....	+ 4 12 50.2	....
9	β Ophiuchi	9	39 8.18	+ 0.09	−6.27	34 13 48.75	47.640	+ 1.76	+ 40.3	17 39 1.97	.....	+ 4 36 0.8	....
10	ν Ophiuchi	9	54 10.87	+ 0.08	−6.33	48 35 48.18	46.440	+ 1.85	+1 7.2	17 54 4.64	.....	− 9 45 58.1	....
11	δ Ursæ Minoris	9	1 32.89	− 1.25	−6.31	312 15 47.30	45.855	+ 1.90	−1 4.9	18 1 25.33	.....	+86 36 28.1	....
12	η Serpentis	9	16 45.64	+ 0.08	−6.38	41 45 46.35	46.102	+ 1.98	+ 52.9	18 16 39.41	.....	− 2 55 34.4	....
13	3 H. Scuti	9	30 24.95	+ 0.08	[−6.32]	47 7 49.55	48.270	+ 2.06	+1 3.9	18 30 18.71	.....	− 8 18 38.2	....
14	θ Serpentis	9	51 50.95	+ 0.09	[−6.30]	34 45 48.60	45.265	+ 2.18	+ 41.2	18 51 44.71	.....	+ 4 4 53.9	....
15	51 H. Cephei s. p.	9	58 42.11	+ 1.96	−6.33	306 3 43.35	47.772	+ 2.22	−1 21.0	6 58 37.74	.....	+87 11 55.9	....
16	Venus II, N	9	15 54.94	+ 0.10	−6.37	47 43 48.22	47.492	+ 3.09	+1 4.6	22 15 48.67	− 1.01	− 8 54 20.9	....
	April 8, P.												
17	Sun I, N	9	5 21.32	+ 0.11	−6.43	31 31 50.80	44.163	+ 3.14	+ 35.3	1 5 15.00	+64.70	+ 7 19 21.9	....
18	Sun II, S	9	7 30.71	+ 0.11	−6.43	32 3 50.52	44.155	+ 3.14	+ 36.0	1 7 24.39	−64.69	+ 6 47 21.5	....
19	Mercury I, C	9	18 32.41	+ 0.11	−6.44	31 5 50.65	46.326	+ 3.14	+ 34.8	1 18 26.08	+ 0.17	+ 7 44 33.0	....
20	γ Orionis	9	20 23.89	+ 0.06	[−6.48]	32 33 47.62	47.578	+ 2.98	+ 36.1	5 20 17.45	.....	+ 6 16 6.3	....
21	δ Orionis	9	27 30.21	+ 0.06	[−6.46]	39 11 47.95	47.375	+ 2.95	+ 46.1	5 27 23.77	.....	− 0 21 59.3	....
22	ζ Orionis	9	36 18.76	+ 0.06	[−6.42]	40 49 48.10	45.812	+ 2.92	+ 48.8	5 36 12.32	.....	− 1 59 26.4	....
23	κ Orionis	9	43 35.06	+ 0.05	[−6.44]	48 31 49.82	46.990	+ 2.90	+1 4.0	5 43 28.61	.....	− 9 42 10.2	....
24	α Orionis	9	50 23.78	+ 0.06	[−6.45]	31 27 48.22	44.140	+ 2.87	+ 34.6	5 50 17.33	.....	+ 7 23 25.9	....
25	δ Ursæ Minoris s. p.	9	1 29.67	+ 2.23	−6.51	305 29 45.32	43.723	+ 2.84	−1 18.9	18 1 25.39	.....	+86 36 28.1	....
26	8 Monocerotis	9	19 5.93	+ 0.05	[−6.45]	34 11 48.55	46.898	+ 2.77	+ 38.5	6 18 59.46	.....	+ 4 38 18.8	....
27	δ Draconis s. p.	9	12 38.26	+ 0.48	−6.54	286 23 41.92	46.899	+ 2.59	−3 9.3	19 12 32.20	.....	+67 29 46.4	....
28	ε Draconis s. p.	9	48 34.29	+ 0.50	−6.55	288 55 41.92	46.130	+ 2.46	−2 43.7	19 48 28.24	.....	+70 1 54.6	....
29	κ Cephei s. p.	9	12 0.24	+ 0.70	−6.55	296 19 42.28	44.313	+ 2.43	−1 54.3	20 11 54.39	.....	+77 26 2.8	....
	April 8, L.												
30	σ Ophiuchi	9	22 10.22	+ 0.05	−6.81	34 37 46.58	45.548	+ 3.23	+ 39.9	17 22 3.46	.....	+ 4 12 49.7	....
31	β Ophiuchi	9	39 8.73	+ 0.05	−6.76	34 13 46.42	47.735	+ 3.23	+ 39.4	17 39 1.96	.....	+ 4 36 0.4	....
32	ν Ophiuchi	9	54 11.46	+ 0.04	−6.85	48 35 47.68	46.470	+ 3.23	+1 5.6	17 54 4.68	.....	− 9 45 58.1	....
33	δ Ursæ Minoris	9	1 33.11	− 1.36	−6.82	312 15 43.55	45.923	+ 3.23	−1 3.4	18 1 24.93	.....	+86 36 27.4	....
34	η Serpentis	9	16 46.19	+ 0.04	−6.86	41 45 46.68	46.113	+ 3.23	+ 51.8	18 16 39.40	.....	− 2 55 35.1	....
35	3 H. Scuti	9	30 25.53	+ 0.04	[−6.83]	47 7 47.02	48.388	+ 3.23	+1 2.5	18 30 18.74	.....	− 8 18 38.2	....
36	θ Serpentis	4	51 51.55	+ 0.05	[−6.83]	34 45 46.25	45.330	+ 3.23	+ 40.4	18 51 44.76	.....	+ 4 4 54.5	....
	April 9, L.												
37	Sun I, S	9	9 1.61	+ 0.03	−6.99	31 39 47.32	48.497	+ 2.74	+ 34.4	1 8 54.65	+64.71	+ 7 9 47.7	....
38	Sun II, N	9	11 11.02	+ 0.03	−6.99	31 7 46.30	48.648	+ 2.74	+ 33.7	1 11 4.06	−64.70	+ 7 41 45.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 17 39	......	....	47.6
18 2	29.500	49.4	47.2
18 30	......	....	47.6
18 56	29.526	49.9	47.9
22 13	29.580	50.7	48.1
7 17 20	29.722	40.1	38.0
17 42	......	....	37.5
18 5	......	....	37.0
18 20	29.736	39.5	37.0
18 37	......	....	36.8
19 2	29.758	39.0	36.3
22 14	29.789	45.1	42.8
8 1 8	29.774	51.0	52.3
1 19	29.758	51.6	51.6
5 18	29.732	59.0	60.1
5 40	......	....	60.2
5 54	......	....	59.8
6 21	29.743	58.5	59.8
7 14	29.745	57.0	58.0
7 51	......	....	56.3
8 14	29.752	54.7	55.6
17 23	29.750	49.0	50.0
18 4	......	....	48.6
18 17	......	....	48.0
18 31	......	....	47.6
18 53	29.760	47.2	46.1
9 1 11	29.650	61.8	66.8

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 11, 15, 25, 28, 29, 33.	Bisections at b_4, b_5, b_6.
4.	Bisections at I, II, VI.
5–7, 16, 19, 35.	Bisections at I, II, VI, VII.
17, 37.	Bisections at I, II, III.
18, 38.	Bisections at V, VI, VII.
27.	Bisections at b_4, b_5, b_6, VI, VII.
34.	Bisections at II, VI, VII.

Notes.

2–5, 33, 36.	Clouds.
5.	Clouds; poor.
34, 35.	Through clouds; varying brightness.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 11.6	− 15.2	...	− 3.6
16	+ 11.4	− 15.0	...	− 3.6
17	+ 4.6	−16 0.2	...	−15 55.6.
18	+ 4.6	+16 0.2	...	+16 4.8
19	+ 3.4	.. ....	0.0	+ 3.4
37	+ 4.6	+15 58.9	...	+16 3.5
38	+ 4.5	−15 59.0	...	−15 54.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury C, C.	9	26 9.89	+ 0.03	−7.00	30 9 49.52	45.496	+ 2.74	+ 32.2	1 26 2.92	0.00	+ 8 40 56.1	....
2	γ Orionis.	9	20 24.53	− 0.06	**[−7.02]**	32 33 50.02	47.510	+ 2.88	+ 35.0	5 20 17.40	.....	+ 6 16 6.7	....
3	δ Orionis.	9	27 30.83	− 0.06	**[−6.98]**	39 11 52.05	47.248	+ 2.88	+ 44.7	5 27 23.70	.....	− 0 21 59.0	....
4	ζ Orionis.	9	36 19.48	− 0.06	**[−7.04]**	40 49 49.35	45.848	+ 2.88	+ 47.3	5 36 12.35	.....	− 1 59 26.9	....
5	κ Orionis.	9	43 35.69	− 0.06	**[−6.97]**	48 31 51.00	47.036	+ 2.88	+1 1.9	5 43 28.56	.....	− 9 42 10.3	....
6	α Orionis.	9	50 24.42	− 0.05	**[−7.00]**	31 27 49.50	44.148	+ 2.88	+ 33.5	5 50 17.29	.....	+ 7 23 25.5	....
	April 10, M.												
7	β Ophiuchi.	9	39 9.83	+ 0.01	**−7.76**	34 13 45.28	47.742	+ 4.60	+ 39.5	17 39	.....	+ 4 35 59.9	....
8	ν Ophiuchi.	9	54 12.51	− 0.01	**−7.79**	48 35 46.15	46.500	+ 4.60	+1 5.8	17 54	.....	− 9 45 58.9	....
9	η Serpentis.	9	16 47.28	0.00	**−7.85**	41 45 44.75	46.142	+ 4.60	+ 51.9	18 16	.....	− 2 55 35.4	....
10	3 H. Scuti.	9	30 26.57	− 0.01	**[−7.76]**	47 7 46.22	48.388	+ 4.60	+1 2.6	18 30	.....	− 8 18 38.9	....
11	θ Serpentis.	9	51 52.60	+ 0.01	**[−7.78]**	34 45 45.15	45.340	+ 4.60	+ 40.3	18 51	.....	+ 4 4 54.1	....
	April 11, M.												
12	Sun I, N.	9	16 22.86	+ 0.02	−7.92	30 23 49.15	47.348	+ 4.34	+ 32.8	1 16 14.96	+64.74	+ 8 26 12.1	....
13	Sun II, S.	9	18 32.34	+ 0.02	−7.92	30 55 48.75	47.140	+ 4.34	+ 33.5	1 18 24.44	−64.74	+ 7 54 16.3	....
14	γ Orionis.	9	20 25.41	− 0.09	**[−7.89]**	32 33 50.65	47.518	+ 3.16	+ 35.1	5 20	.....	+ 6 16 5.5	....
15	δ Orionis.	9	27 31.79	− 0.10	**[−7.92]**	39 11 50.92	47.312	+ 3.11	+ 44.8	5 27	.....	− 0 21 59.7	....
16	ζ Orionis.	9	36 20.36	− 0.10	**[−7.90]**	40 49 49.32	45.865	+ 3.04	+ 47.5	5 36	.....	− 1 59 27.7	....
17	κ Orionis.	9	43 36.62	− 0.11	**[−7.89]**	48 31 51.50	47.062	+ 2.99	+1 2.2	5 43	.....	− 9 42 11.8	....
18	α Orionis.	9	50 25.38	− 0.09	**[−7.94]**	31 27 51.20	44.100	+ 2.94	+ 33.7	5 50	.....	+ 7 23 24.6	....
	April 12, L.												
19	σ Ophiuchi.	9	22 12.37	+ 0.02	**−8.83**	34 37 56.48	45.028	+ 3.46	+ 40.6	17 22 3.49	.....	+ 4 11 50.8	....
20	β Ophiuchi.	9	39 11.02	+ 0.02	**−8.91**	34 13 55.98	47.218	+ 3.46	+ 40.1	17 39 2.13	.....	+ 4 36 1.7	....
21	ν Ophiuchi.	9	54 13.70	+ 0.01	**−8.94**	48 35 57.22	45.948	+ 3.46	+1 6.8	17 54 4.80	.....	− 9 45 57.2	....
22	δ Ursæ Minoris.	5	1 36.68	− 1.22	−8.92	312 15 52.22	45.530	+ 3.46	−1 4.5	18 1 26.54	.....	+86 36 28.6	....
23	η Serpentis.	9	16 48.44	+ 0.02	**−8.97**	41 45 56.80	45.555	+ 3.46	+ 52.6	18 16 39.54	.....	− 2 55 33.6	....
24	3 H. Scuti.	9	30 27.83	+ 0.01	**[−8.98]**	47 7 58.05	47.808	+ 3.46	+1 3.5	18 30 18.91	.....	− 8 18 37.2	....
	April 13, L.												
25	Sun I, N.	9	23 45.21	+ 0.07	−9.09	29 39 54.65	47.217	+ 4.81	+ 32.7	1 23 36.19	+64.87	+ 9 10 9.2	....
26	Sun II, S.	8	25 54.95	+ 0.07	−9.09	30 11 56.58	46.967	+ 4.81	+ 33.4	1 25 45.93	−64.87	+ 8 38 12.1	....
27	Mercury C, C.	9	56 55.11	+ 0.07	−9.10	26 27 59.18	47.981	+ 4.81	+ 28.5	1 56 46.08	+ 0.01	+12 21 51.3	....
28	Moon I.	9	7 54.42	+ 0.01	−9.17	14 24	......	....	....	5 7 45.26	+74.82	.. ..	....
29	γ Orionis.	9	20 26.48	+ 0.01	**[−9.09]**	32 33 56.42	47.105	+ 4.00	+ 36.3	5 20 17.30	.....	+ 6 16 7.1	....
30	δ Orionis.	9	27 32.83	+ 0.01	**[−9.10]**	39 11 57.20	46.850	+ 4.00	+ 46.3	5 27 23.65	.....	− 0 21 57.8	....
31	ζ Orionis.	9	36 21.36	+ 0.01	**[−9.04]**	40 49 56.50	45.371	+ 4.00	+ 49.0	5 36 12.18	.....	− 1 59 26.0	....
32	κ Orionis.	9	43 37.70	0.00	**[−9.11]**	48 31 58.02	46.552	+ 4.00	+1 4.2	5 43 28.50	.....	− 9 42 9.7	....
33	α Orionis.	9	50 26.34	+ 0.02	**[−9.04]**	31 27 56.60	43.720	+ 4.00	+ 34.7	5 50 17.16	.....	+ 7 23 25.9	....
34	δ Ursæ Minoris S. P.	9	1 34.44	+ 1.20	−9.20	305 29 54.08	43.352	+ 4.00	−1 19.1	18 1 26.44	.....	+86 36 29.3	....
35	8 Monocerotis.	9	19 8.48	+ 0.02	**[−9.04]**	34 11 56.62	46.455	+ 4.00	+ 38.6	6 18 59.29	.....	+ 4 38 19.4	....
36	51 H. Cephei.	6	58 45.92	− 1.15	−9.22	311 39 53.25	46.918	+ 4.00	−1 3.7	6 58 35.55	.....	+87 11 54.5	....
37	δ Draconis S. P.	9	12 41.15	+ 0.32	−9.23	286 23 54.20	46.364	+ 4.00	−3 10.1	19 12 32.24	.....	+67 29 47.1	....
38	ε Draconis S. P.	9	48 37.23	+ 0.34	−9.24	288 55 53.18	45.605	+ 4.00	−2 44.3	19 48 28.33	.....	+70 1 54.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 1 26	29.642	64.2	69.1
5 21	29.597	72.1	73.7
5 30	......	....	73.6
5 45	......	....	73.7
6 25	29.606	71.0	72.3
10 17 39	29.800	49.8	49.0
17 54	......	....	48.3
18 17	29.800	49.4	48.0
18 52	29.810	48.5	47.7
11 1 19	29.750	63.9	65.8
5 20	29.630	72.2	72.4
5 44	......	....	72.0
5 50	29.616	71.8	71.7
12 17 23	29.800	44.8	42.1
17 57	......	....	41.2
18 29	......	....	41.2
18 50	29.828	43.0	....
13 1 26	29.890	56.8	55.3
1 56	29.886	57.6	56.7
5 8	29.834	60.4	....
5 21	......	....	60.1
5 37	......	....	60.0
5 49	......	....	60.0
6 20	29.834	59.1	59.2
7 2	......	....	57.7
7 14	......	....	57.3
7 50	29.826	57.0	55.7

Micrometer bisections are made at II, VI, except as noted below:

1, 5, 27, 29–32.	Bisections at I, II, VI, VII.
12, 25.	Bisections at I, II, III.
13, 26.	Bisections at V, VI, VII.
14.	Bisections at I, VI, VII.
22.	Bisections at b_3, b_4, b_5.
34, 36.	Bisections at b_4, b_5, b_8.
35.	Bisections at I, II, VI.
37, 38.	Bisections at II, III, V, VI.

Notes.

5. 34.	Faint.
19–24.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.2	.. ....	0.0	+ 3.2
12	+ 4.4	−15 57.9	...	−15 53.5
13	+ 4.5	+15 57.8	...	+16 2.3
25	+ 4.3	−15 58.5	...	−15 54.2
26	+ 4.4	+15 58.5	...	+16 2.9
27	+ 3.1	.. ....	+ 0.1	+ 3.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 13, M.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	σ Ophiuchi	9	22 12.88	+ 0.04	− **9.33**	34 37 54.92	45.152	+ 3.32	+ 40.5	17 22 3.58	.....	+ 4 12 49.7	....
2	β Ophiuchi	9	39 11.42	+ 0.04	− **9.30**	34 13 54.55	47.330	+ 3.32	+ 40.0	17 39 2.11	.....	+ 4 36 0.8	....
3	ν Ophiuchi	9	54 14.16	+ 0.03	− **9.39**	48 35 55.48	46.105	+ 3.32	+1 6.6	17 54 4.84	.....	− 9 45 58.7	....
4	δ Ursæ Minoris	9	1 37.61	− 1.40	− 9.36	312 15 52.50	45.483	+ 3.32	−1 4.3	18 1 26.85	.....	+86 36 29.4	....
5	η Serpentis	9	16 48.88	+ 0.04	− **9.40**	41 45 54.32	45.730	+ 3.32	+ 52.5	18 16 39.56	.....	− 2 55 34.9	....
6	3 H. Scuti	9	30 28.22	+ 0.03	− **9.36**	47 7 55.55	47.980	+ 3.32	+1 3.4	18 30 18.88	.....	− 8 18 38.4	....
7	θ Serpentis	9	51 54.23	+ 0.04	[− **9.35**]	34 45 54.45	44.985	+ 3.32	+ 40.9	18 51 44.89	.....	+ 4 4 53.6	....
8	51 H. Cephei s. p.	9	58 43.22	+ 2.04	− 9.38	306 3 54.70	47.128	+ 3.32	−1 20.4	6 58 35.88	.....	+87 11 54.2	....
9	δ Draconis	9	12 41.87	− 0.09	− 9.38	331 21 54.02	45.887	+ 3.32	− 32.0	19 12 32.40	.....	+67 29 46.3	....
10	ε Draconis	9	48 37.95	− 0.12	− 9.40	328 49 53.32	45.725	+ 3.32	− 35.5	19 48 28.43	.....	+70 1 54.2	....
	April 14, M.												
11	Sun I, S	9	27 26.73	+ 0.11	− 9.53	29 49 55.30	47.767	+ 3.07	+ 32.3	1 27 17.31	+64.83	+ 8 59 58.1	....
12	Sun II, N	9	29 36.39	+ 0.11	− 9.53	29 17 56.52	47.993	+ 3.07	+ 31.6	1 29 26.97	−64.83	+ 9 31 52.2	....
13	Mercury I, C	9	4 36.08	+ 0.07	− 9.54	25 35 58.00	45.561	+ 3.07	+ 26.9	2 4 26.61	+ 0.18	+13 14 51.1	....
14	γ Orionis	9	20 26.92	− 0.10	[− **9.43**]	32 33 56.02	47.332	+ 2.54	+ 35.4	5 20 17.21	.....	+ 6 16 4.7	....
15	δ Orionis	9	27 33.31	− 0.10	[− **9.48**]	39 11 57.40	47.069	+ 2.54	+ 45.2	5 27 23.59	.....	− 0 22 0.5	....
16	ζ Tauri	9	32 24.63	− 0.10	[− **9.43**]	17 45 55.50	44.899	+ 2.54	+ 17.8	5 32 14.91	.....	+21 5 18.3	....
17	ζ Orionis	9	36 21.89	− 0.10	[− **9.47**]	40 49 55.50	45.618	+ 2.54	+ 47.9	5 36 12.17	.....	− 1 59 28.0	....
18	κ Orionis	9	43 38.24	− 0.10	[− **9.56**]	48 31 55.98	46.878	+ 2.54	+1 2.7	5 43 28.52	.....	− 9 42 12.2	....
19	α Orionis	9	50 26.92	− 0.10	[− **9.51**]	31 27 56.22	43.900	+ 2.54	+ 33.9	5 50 17.19	.....	+ 7 23 24.6	....
20	δ Ursæ Minoris s. p.	8	1 34.45	+ 2.63	− 9.63	305 29 56.55	43.168	+ 2.54	−1 17.2	18 1 27.45	.....	+86 36 28.0	....
21	η Geminorum	9	9 35.70	− 0.10	[− **9.47**]	16 17 55.88	48.230	+ 2.54	+ 16.3	6 9 25.97	.....	+22 32 3.4	....
22	Moon I	9	12 40.50	− 0.10	− 9.63	12 42	......	....	....	6 12 30.77	+74.69	.. ..	....
23	8 Monocerotis	9	19 9.01	− 0.10	[− **9.47**]	34 11 55.82	46.718	+ 2.54	+ 37.7	6 18 59.27	.....	+ 4 38 16.6	....
24	ν Geminorum	9	23 46.31	− 0.10	[− **9.57**]	18 33 54.12	47.795	+ 2.54	+ 18.7	6 23 36.57	.....	+20 16 12.7	....
25	ε Geminorum	8	38 32.97	− 0.10	[− **9.57**]	13 37 52.50	45.185	+ 2.54	+ 13.5	6 38 23.23	.....	+25 13 19.1	....
26	51 H. Cephei	9	58 47.44	− 3.01	− 9.65	311 39 53.48	46.867	+ 2.54	−1 2.3	6 58 34.78	.....	+87 11 55.5	....
27	δ Draconis s. p.	8	12 41.53	+ 0.48	− 9.66	286 23 55.35	46.112	+ 2.54	−3 6.0	19 12 32.35	.....	+67 29 45.3	....
28	ε Draconis s. p.	9	48 37.69	+ 0.52	− 9.67	288 55 56.05	45.358	+ 2.54	−2 4.7	19 48 28.54	.....	+70 1 54.0	....
	April 14, P.												
29	σ Ophiuchi	9	22 13.54	− 0.03	− **9.89**	34 37 54.45	45.242	+ 2.06	+ 39.8	17 22 3.58	.....	+ 4 12 50.2	....
30	β Ophiuchi	9	39 12.15	− 0.03	− **9.93**	34 13 53.42	47.470	+ 2.06	+ 39.2	17 39 2.19	.....	+ 4 36 0.8	....
31	ν Ophiuchi	9	54 14.83	− 0.04	− **9.96**	48 35 53.68	46.298	+ 2.06	+1 5.3	17 54 4.85	.....	− 9 45 58.7	....
32	δ Ursæ Minoris	9	1 39.00	− 1.93	− 9.94	312 15 53.05	45.497	+ 2.06	−1 3.1	18 1 27.13	.....	+86 36 28.5	....
33	η Serpentis	9	16 49.55	− 0.04	− **9.96**	41 45 51.68	45.930	+ 2.06	+ 51.5	18 16 39.57	.....	− 2 55 34.5	....
34	3 H. Scuti	9	30 28.91	− 0.04	− **9.95**	47 7 53.12	48.190	+ 2.06	+1 2.2	18 30 18.92	.....	− 8 18 38.3	....
35	θ Serpentis	9	51 54.96	− 0.03	[− **9.98**]	34 45 52.55	45.120	+ 2.06	+ 40.1	18 51 44.97	.....	+ 4 4 54.5	....
36	51 H. Cephei s. p.	9	58 42.56	+ 2.59	− 9.96	306 3 53.78	47.190	+ 2.06	−1 18.7	6 58 35.19	.....	+87 11 55.2	....
37	δ Draconis	9	12 42.68	− 0.21	− 9.97	331 21 54.38	45.912	+ 2.06	− 31.4	19 12 32.50	.....	+67 29 45.5	....
38	ε Draconis	9	48 38.81	− 0.24	− 9.98	328 49 54.75	45.679	+ 2.06	− 34.7	19 48 28.59	.....	+70 1 53.7	....
39	κ Cephei	9	12 5.28	− 0.44	− 9.99	321 25 54.55	45.842	+ 2.06	− 45.7	20 11 54.85	.....	+77 26 0.7	....
	April 15, P.												
40	Sun I, S	9	31 8.94	− 0.02	−10.12	29 29 55.40	43.673	+ 2.32	+ 31.0	1 30 58.80	+64.93	+ 9 21 33.6	....
41	Sun II, N	9	33 18.80	− 0.02	−10.12	28 57 56.28	43.918	+ 2.32	+ 30.3	1 33 8.66	−64.93	+ 9 53 27.7	....
42	Mercury I, C	9	12 15.46	− 0.06	−10.13	24 43 52.05	46.624	+ 1.82	+ 25.1	2 12 5.27	+ 0.19	+14 6 35.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 17 22	29.810	44.7	43.2
18 2	29.816	43.8	42.6
18 30	......	....	42.3
19 13	29.846	42.8	41.3
19 49	29.850	42.8	41.6
14 1 30	29.882	63.0	65.7
2 5	29.878	65.0	67.2
5 20	29.822	70.7	71.9
5 44	......	....	71.6
6 2	29.820	70.9	71.4
6 24	......	....	70.3
6 59	29.814	68.7	68.3
7 13	......	....	67.8
7 49	29.816	67.7	66.2
17 20	29.752	53.2	51.0
17 42	......	....	51.0
17 58	......	....	50.7
18 20	29.752	52.0	50.2
18 48	......	....	50.1
19 17	29.747	51.9	50.0
19 52	29.750	52.0	50.1
20 15	29.754	52.0	51.6
15 1 33	29.712	73.1	76.2
2 13	29.700	75.2	79.0

Micrometer bisections are made at II, VI, except as noted below.

4, 8, 20, 26, 32, 36	Bisections at b_4, b_5, b_6.
9, 10, 27, 28.	Bisections at III, IV, V.
11, 40.	Bisections at I, II, III.
12, 41.	Bisections at V, VI, VII.
13, 15, 16, 18, 37–39, 42.	Bisections at I, II, VI, VII.
17, 29.	Bisections at II, VI, VII.
19.	Bisections at VI, VII.

Note.

20. Very faint; poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 4.3	+15 57.0	...	+16 1.3
12	+ 4.3	−15 57.1	...	−15 52.8
13	+ 3.0	.. ....	+0.1	+ 3.1
40	+ 4.3	+15 57.0	...	+16 1.3
41	+ 4.2	−15 57.0	...	−15 52.8
42	+ 3.0	.. ....	+0.1	+ 3.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 15, L.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	σ Ophiuchi	9	22 14.22	− 0.06	**−10.52**	34 37 56.42	45.240	+ 0.94	+ 38.7	17 22 3.63	.....	+ 4 12 50.4	....
2	β Ophiuchi	9	39 12.77	− 0.06	**−10.49**	34 13 55.90	47.448	+ 0.94	+ 38.1	17 39 2.17	.....	+ 4 36 1.1	....
3	ν Ophiuchi	9	54 15.52	− 0.07	**−10.59**	48 35 56.90	46.231	+ 0.94	+1 3.5	17 54 4.91	.....	− 9 45 57.5	....
4	δ Ursæ Minoris	9	1 40.72	− 2.53	−10.55	312 15 52.32	45.505	+ 0.94	−1 1.3	18 1 27.64	.....	+86 36 28.4	....
5	η Serpentis	9	16 50.21	− 0.06	**−10.57**	41 45 55.42	45.835	+ 0.94	+ 50.1	18 16 39.60	.....	− 2 55 33.6	....
6	3 H. Scuti	9	30 29.56	− 0.06	**−10.55**	47 7 56.82	48.110	+ 0.94	+1 0.5	18 30 18.94	.....	− 8 18 37.4	....
7	θ Serpentis	9	51 55.56	− 0.06	**[−10.52]**	34 45 56.00	45.038	+ 0.94	+ 39.0	18 51 44.94	.....	+ 4 4 55.2	....
8	51 H. Cephei s. p.	9	58 40.83	+ 3.34	−10.57	306 3 53.30	47.167	+ 0.94	−1 16.6	6 58 33.60	.....	+87 11 55.1	....
9	δ Draconis	9	12 43.31	− 0.29	−10.57	331 21 53.92	45.945	+ 0.94	− 30.5	19 12 32.45	.....	+67 29 45.6	....
10	ε Draconis	9	48 39.47	− 0.34	−10.58	328 49 53.15	45.762	+ 0.94	− 33.9	19 48 28.55	.....	+70 1 53.9	....
	April 16, L.												
11	Sun I, S	9	34 51.08	− 0.07	−10.70	29 7 55.45	45.202	+ 2.72	+ 31.1	1 34 40.31	+65.05	+ 9 42 58.1	....
12	Sun II, N	9	37 1.18	− 0.07	−10.70	28 35 55.10	45.457	+ 2.72	+ 30.4	1 36 50.41	−65.05	+10 14 53.2	....
13	Mercury C, C	9	19 51.68	− 0.07	−10.71	23 53 55.85	45.889	+ 2.72	+ 24.7	2 19 40.90	+ 0.02	+14 56 48.3	....
	April 18, M.												
14	Sun I, S	8	42 16.52	− 0.09	−11.65	28 25 55.85	44.282	+ 2.95	+ 29.9	1 42 4.78	+65.10	+10 25 19.7	....
15	Sun II, N	9	44 26.72	− 0.09	−11.65	27 53 54.78	44.717	+ 2.95	+ 29.3	1 44 14.98	−65.10	+10 57 11.3	....
16	Mercury I, C	9	34 48.77	− 0.09	−11.67	22 17 55.78	48.438	+ 3.08	+ 22.7	2 34 37.01	+ 0.20	+16 31 51.8	....
17	γ Orionis	9	20 29.08	− 0.11	**[−11.63]**	32 33 56.60	47.265	+ 3.09	+ 35.1	5 20	.....	+ 6 16 5.4	....
18	ζ Orionis	9	36 24.02	− 0.11	**[−11.65]**	40 49 54.98	45.638	+ 2.97	+ 47.3	5 36	.....	− 1 59 27.9	....
19	κ Orionis	9	43 40.33	− 0.12	**[−11.68]**	48 31 56.42	46.830	+ 2.91	+1 1.9	5 43	.....	− 9 42 11.1	....
20	α Orionis	9	50 29.03	− 0.11	**[−11.67]**	31 27 56.08	43.919	+ 2.86	+ 33.5	5 50	.....	+ 7 23 24.2	....
21	δ Ursæ Minoris s. p.	7	1 37.29	+ 2.81	.....	305 29 55.82	43.192	+ 2.78	−1 16.4	18 1	.....	+86 36 28.9	....
22	8 Monocerotis	9	19 11.16	− 0.11	**[−11.66]**	34 11 55.20	46.708	+ 2.65	+ 37.3	6 18	.....	+ 4 38 17.8	....
23	51 H. Cephei	9	58 48.94	− 3.24	.....	311 39 53.80	46.812	+ 2.35	−1 1.5	6 58	.....	+87 11 55.8	....
24	δ Draconis s. p.	9	12 43.81	+ 0.50	.....	286 23 56.18	46.055	+ 2.25	−3 3.6	19 12	.....	+67 29 46.4	....
25	ε Draconis s. p.	9	48 40.03	+ 0.55	.....	288 55 57.12	45.235	+ 2.12	−2 38.5	19 48	.....	+70 1 54.1	....
	April 19, P.												
26	γ Orionis	9	20 29.64	− 0.02	**[−12.29]**	32 33 48.70	47.525	+ 1.93	+ 36.4	5 20 17.32	.....	+ 6 16 7.2	....
27	δ Orionis	9	27 35.96	− 0.02	**[−12.28]**	39 11 52.00	47.175	+ 1.93	+ 46.5	5 27 23.64	.....	− 0 21 58.1	....
28	ζ Orionis	9	36 24.48	− 0.02	**[−12.21]**	40 49 47.50	45.838	+ 1.93	+ 49.4	5 36 12.16	.....	− 1 59 26.0	....
29	Moon I, N	9	53 28.89	− 0.02	−12.42	26 27 59.10	48.487	+ 2.56	+ 28.7	10 53 16.45	+63.42	+12 21 41.9	....
30	δ Leonis	9	9 32.93	− 0.03	**−12.35**	17 49 56.30	45.630	+ 2.56	+ 18.6	11 9 20.48	.....	+21 1 0.0	....
31	υ Leonis	9	32 33.87	− 0.03	**−12.42**	39 9 53.62	46.398	+ 2.66	+ 47.1	11 32 21.41	.....	− 0 19 43.4	....
32	β Virginis	9	46 13.95	− 0.03	**−12.42**	36 33 53.35	46.765	+ 2.82	+ 42.9	11 46 1.48	.....	+ 2 16 12.6	....
33	π Virginis	9	56 29.27	− 0.03	**−12.47**	31 43 54.92	45.262	+ 2.95	+ 35.8	11 56 16.80	.....	+ 7 6 52.3	....
34	ο Virginis	9	0 51.09	− 0.03	**−12.42**	29 35 54.15	48.038	+ 3.00	+ 32.9	12 0 38.62	.....	+ 9 13 52.5	....
35	η Virginis	9	15 31.61	− 0.03	**−12.38**	38 59 55.88	47.362	+ 3.18	+ 46.9	12 15 19.13	.....	− 0 10 8.0	....
36	Jupiter I, C	5	29 8.35	− 0.03	−12.45	40 13 55.82	43.554	+ 3.35	+ 49.0	12 28 55.87	+ 1.55	− 1 24 26.2	....
37	Jupiter II	5	29 11.45	− 0.03	−12.45	... .	......	....	.....	12 28 58.97	− 1.55	.. ..	....
	April 19, L.												
38	σ Ophiuchi	9	22 16.33	+ 0.03	**−12.62**	34 37 58.08	45.010	+ 2.81	+ 40.3	17 22 3.74	.....	+ 4 12 50.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 17 23	29.622	64.1	63.0
17 53	......	....	63.2
18 19	......	....	61.7
18 31	29.650	63.0	62.0
18 58	......	....	62.0
19 14	......	....	62.1
19 50	29.654	62.3	61.3
16 1 37	29.766	68.7	67.3
2 20	29.758	69.3	68.1
18 1 44	29.540	67.0	67.9
2 35	29.538	68.9	69.6
5 20	29.508	71.6	71.2
5 44	......	....	72.0
6 19	29.506	70.7	70.8
6 59	29.506	70.0	69.5
7 13	......	....	69.2
7 49	29.504	68.8	67.8
19 5 18	29.372	52.0	50.0
5 45	29.386	52.0	48.5
10 56	29.464	49.0	46.0
11 12	......	....	45.5
11 35	......	....	45.0
11 51	29.455	47.0	44.6
12 19	......	....	43.8
12 31	29.454	46.0	43.7
17 23	29.410	41.7	39.9

Micrometer bisections are made at II, VI, except as noted below.

3, 13, 16, 19, 20, 22, 24, 28, 36.	Bisections at I, II, VI, VII.
4, 8, 21, 23.	Bisections at b_4, b_5, b_6.
7, 27.	Bisections at II, VI, VII.
11, 14.	Bisections at I, II, III.
12, 15.	Bisections at V, VI, VII.
25.	Bisections at III, IV, V.
29.	Bisections at II, III, IV, V, VI.
36.	Z. D. threads A used.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 4.2	+15 57.5	...	+16 1.7
12	+ 4.2	−15 57.6	...	−15 53.4
13	+ 2.9	.. ....	+0.1	+ 3.0
14	+ 4.1	+15 55.8	...	+15 59.9
15	+ 4.1	−15 55.8	...	−15 51.7
16	+ 2.8	.. ....	+0.2	+ 3.0
29	+24 21.3	−14 59.3	...	+ 9 22.0
36	+ 1.3	.. ....	...	+ 1.3

Notes.

3.	Micrometer reading decreased 2 rev.
18, 21.	Unsteady.
25.	Very poor.
30.	Degrees and minutes of circle reading assumed.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Ophiuchi	9	39 14.97	+ 0.03	**−12.68**	34 13 58.25	47.180	+ 2.81	+ 39.7	17 39 2.37	.....	+ 4 36 1.4	....
2	ν Ophiuchi	9	54 17.61	+ 0.02	**−12.66**	48 35 59.05	45.952	+ 2.81	+1 6.1	17 54 5.00	.....	− 9 45 57.7	....
3	δ Ursæ Minoris	9	1 42.61	− 1.46	−12.63	312 15 54.05	45.457	+ 2.81	−1 3.9	18 1 28.52	.....	+86 36 28.5	....
4	η Serpentis	9	16 52.34	+ 0.03	**−12.68**	41 45 58.32	45.552	+ 2.81	+ 52.1	18 16 39.73	.....	− 2 55 33.9	....
5	3 H. Scuti	9	30 31.74	+ 0.02	**−12.69**	47 7 59.10	47.805	+ 2.81	+1 3.0	18 30 19.12	.....	− 8 18 37.0	....
6	θ Serpentis	9	51 57.71	+ 0.03	**[−12.65]**	34 45 58.02	44.782	+ 2.81	+ 40.6	18 51 45.09	.....	+ 4 4 55.5	....
7	51 H. Cephei s. p.	9	58 43.78	+ 2.09	−12.66	306 3 56.10	47.110	+ 2.81	−1 19.7	6 58 33.21	.....	+87 11 55.4	....
	April 21, P.												
8	Venus II, N	9	6 7.73	+ 0.07	−13.73	44 29 54.60	47.921	+ 3.18	+ 56.1	23 5 54.07	− 0.85	− 5 40 28.7	....
	April 22, P.												
9	Sun I, N	9	57 12.21	0.00	−13.80	26 29 57.52	48.558	+ 2.87	+ 28.1	1 56 58.41	+65.39	+12 19 42.2	....
10	Sun II, S	9	59 22.98	0.00	−13.80	27 1 56.32	48.265	+ 2.87	+ 28.7	1 59 9.18	−65.38	+11 47 49.3	....
11	Mercury I, C	9	3 9.81	0.00	−13.82	19 33 54.35	47.670	+ 3.07	+ 20.0	3 2 55.99	+ 0.22	+19 16 13.4	....
12	γ Orionis	9	20 31.19	− 0.04	**[−13.85]**	32 33 53.00	47.353	+ 2.78	+ 35.6	5 20 17.30	.....	+ 6 16 6.9	....
13	δ Orionis	9	27 37.52	− 0.04	**[−13.85]**	39 11 53.90	47.118	+ 2.78	+ 45.4	5 27 23.63	.....	− 0 21 58.5	....
14	ζ Orionis	9	36 26.06	− 0.04	**[−13.80]**	40 49 52.12	45.662	+ 2.78	+ 48.1	5 36 12.17	.....	− 1 59 26.2	....
15	κ Orionis	9	43 42.34	− 0.05	**[−13.81]**	48 31 53.20	46.876	+ 2.78	+1 2.9	5 43 28.43	.....	− 9 42 9.8	....
16	α Orionis	9	50 31.03	− 0.05	**[−13.77]**	31 27 51.70	44.042	+ 2.78	+ 34.0	5 50 17.12	.....	+ 7 23 25.3	....
17	δ Ursæ Minoris s. p.	9	1 40.94	+ 2.60	−13.86	305 29 51.38	43.478	+ 2.78	−1 17.5	18 1 29.68	.....	+86 36 29.9	....
18	51 H. Cephei	9	58 48.67	− 3.11	−13.88	311 39 54.08	46.905	+ 2.78	−1 2.1	6 58 31.68	.....	+87 11 53.6	....
19	δ Draconis s. p.	9	12 46.41	+ 0.51	−13.89	286 23 52.12	46.288	+ 2.78	−3 5.4	19 12 33.03	.....	+67 29 47.0	....
20	ε Draconis s. p.	9	48 42.54	+ 0.57	−13.90	288 55 52.80	45.527	+ 2.78	−2 40.1	19 48 29.21	.....	+70 1 55.6	....
21	κ Cephei s. p.	9	12 8.76	+ 0.85	−13.91	296 19 52.30	43.783	+ 2.78	−1 51.8	20 11 55.70	.....	+77 26 3.5	....
22	α Crateris	9	55 38.11	− 0.08	**−13.99**	56 37 46.30	49.325	+ 1.92	+1 26.0	10 55 24.06	.....	−17 49 21.0	....
23	δ Crateris	9	15 5.23	− 0.07	**−13.91**	53 7 49.72	45.162	+ 1.92	+1 15.5	11 14 51.18	.....	−14 17 39.0	....
24	σ Leonis	9	16 44.80	− 0.07	**−13.99**	32 19 45.52	44.628	+ 1.92	+ 35.9	11 16 30.75	.....	+ 6 31 17.2	....
25	γ Corvi	8	11 25.64	− 0.06	**−14.00**	55 51 50.88	47.552	+ 1.92	+1 23.7	12 11 11.58	.....	−17 2 42.7	....
26	η Virginis	9	15 33.19	− 0.06	**−13.93**	38 59 50.75	47.675	+ 1.92	+ 46.0	12 15 19.13	.....	− 0 10 7.8	....
27	Jupiter I, C	5	27 57.33	− 0.05	−14.01	40 5 50.32	45.550	+ 1.92	+ 47.9	12 27 43.27	+ 1.54	− 1 17 3.8	....
28	Jupiter II	5	28 0.41	− 0.05	−14.01	... .	......	....	. ....	12 27 46.35	− 1.54	.. ..	....
29	δ Virginis	9	51 19.43	− 0.05	**−14.00**	34 57 50.08	44.890	+ 1.92	+ 39.7	12 51 5.36	.....	+ 3 53 2.8	....
	April 22, L.												
30	σ Ophiuchi	9	22 18.02	− 0.01	**−14.19**	34 37 51.52	45.360	+ 2.31	+ 39.3	17 22 3.84	.....	+ 4 12 50.6	....
31	β Ophiuchi	9	39 16.58	− 0.01	**−14.17**	34 13 51.20	47.535	+ 2.31	+ 38.8	17 39 2.39	.....	+ 4 36 1.7	....
32	ν Ophiuchi	9	54 19.26	− 0.02	**−14.18**	48 35 53.02	46.300	+ 2.31	+1 4.6	17 54 5.05	.....	− 9 45 57.7	....
33	δ Ursæ Minoris	9	1 45.89	− 1.98	−14.19	312 15 48.28	45.638	+ 2.31	−1 2.4	18 1 29.72	.....	+86 36 29.1	....
34	η Serpentis	9	16 54.03	− 0.01	**−14.24**	41 45 51.25	45.935	+ 2.31	+ 50.9	18 16 39.83	.....	− 2 55 33.9	....
35	3 H. Scuti	9	30 33.41	− 0.01	**−14.24**	47 7 52.85	48.218	+ 2.31	+1 1.4	18 30 19.20	.....	− 8 18 38.1	....
36	θ Serpentis	9	51 59.44	− 0.01	**−14.25**	34 45 51.78	45.130	+ 2.31	+ 39.6	18 51 45.22	.....	+ 4 4 55.3	....
37	51 H. Cephei s. p.	9	58 42.50	+ 2.69	−14.21	306 3 48.48	47.363	+ 2.31	−1 17.8	6 58 30.98	.....	+87 11 55.0	....
	April 23, L.												
38	Sun I, N	9	0 57.32	− 0.01	−14.37	26 9 50.15	48.623	+ 2.99	+ 27.3	2 0 42.94	+65.40	+12 39 48.8	....
39	Sun II, S	9	3 8.11	− 0.01	−14.37	26 41 51.05	47.947	+ 2.99	+ 27.9	2 2 53.73	−65.39	+12 8 2.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 17 52	......	....	39.2
18 15	......	....	38.9
18 32	......	....	38.7
18 59	29.416	40.7	38.9
21 23 4	29.660	54.0	54.3
22 1 59	29.666	61.3	61.4
3 4	29.658	62.5	63.1
5 18	29.618	65.8	66.0
5 40	......	....	66.0
5 55	......	....	66.2
6 20	29.612	66.0	66.3
7 3	29.614	65.2	66.1
7 47	......	....	65.1
8 14	29.606	63.6	64.0
10 53	29.610	57.0	56.8
11 20	......	....	56.2
12 9	29.583	56.0	55.1
12 30	......	....	55.0
12 54	......	....	54.8
13 3	29.570	56.0	....
17 23	29.496	53.3	52.7
18 2	......	....	52.1
18 31	......	....	51.7
18 59	29.478	52.0	51.3
23 2 3	29.500	64.7	65.7

Micrometer bisections are made at II, VI, except as noted below.

3, 7, 17–21, 33, 37. Bisections at b_1, b_5, b_6.
8, 11, 13–16, 27. Bisections at I, II, VI, VII.
9, 38. Bisections at I, II, III.
10, 39. Bisections at V, VI, VII.
12, 22, 25, 29. Bisections at II, VI, VII.
23. Bisections at I, II.
24. Bisections at VI, VII.
27. Z. D. threads A used.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 9.1	− 12.6	...	− 3.5
9	+ 3.9	−15 56.4	...	−15 52.5
10	+ 4.0	+15 56.4	...	+16 0.4
11	+ 2.6	.. ....	+ 0.3	+ 2.9
27	+ 1.3	.. ....	...	+ 1.3
38	+ 3.8	−15 53.1	...	−15 49.3
39	+ 3.9	+15 53.1	...	+15 57.0

Notes.

3. Degrees and minutes of circle reading assumed.
17. Faint.
25, 29. Hazy.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, N	9	51 53.24	– 0.07	–14.64	48 7 51.60	43.733	+ 2.11	+1 2.8	13 51 38.53	+61.48	– 9 16 55.6	....
	April 24, M.												
2	Venus II, N	9	17 27.44	– 0.03	–15.28	43 37 49.72	47.990	+ 3.31	+ 53.9	23 17 12.13	– 0.81	– 4 48 23.3	....
	April 25, M.												
3	Sun I, N	9	8 28.57	– 0.06	–15.35	25 31 52.05	44.245	+ 3.01	+ 26.7	2 8 13.16	+65.51	+13 19 27.5	....
4	Sun II, S	9	10 39.59	– 0.06	–15.35	26 3 49.20	43.798	+ 3.01	+ 27.3	2 10 24.18	–65.51	+12 47 39.8	....
	April 25, P.												
5	Moon II, S	9	26 46.97	– 0.08	–15.70	58 7 48.00	44.284	+ 2.88	+1 31.9	15 26 31.19	–64.29	–19 17 34.4	....
6	δ Scorpii	9	55 17.56	– 0.08	–15.71	61 11 49.82	45.072	+ 2.88	+1 43.9	15 55 1.77	.....	–22 22 6.2	....
7	β¹ Scorpii	9	0 29.15	– 0.08	**–15.78**	58 23 46.75	44.725	+ 2.88	+1 32.9	16 0 13.36	.....	–19 33 44.2	....
8	ν Scorpii (*mean*)	9	7 2.77	– 0.08	**–15.78**	58 3 48.38	44.872	+ 2.88	+1 31.8	16 6 46.98	.....	–19 13 48.1	....
9	δ Ophiuchi	9	9 54.67	– 0.07	**–15.74**	42 17 49.80	47.020	+ 2.88	+ 52.2	16 9 38.88	.....	– 3 27 59.0	....
10	ζ Ophiuchi	9	32 29.02	– 0.07	**–15.72**	49 13 48.38	44.664	+ 2.88	+1 6.5	16 32 13.23	.....	–10 23 18.1	....
11	σ Ophiuchi	9	22 19.63	– 0.07	**–15.66**	34 37 48.02	45.440	+ 2.88	+ 39.7	17 22 3.82	.....	+ 4 12 51.2	....
12	β Ophiuchi	9	39 18.28	– 0.07	**–15.73**	34 13 46.95	47.688	+ 2.88	+ 39.1	17 39 2.46	.....	+ 4 36 1.4	....
13	θ Serpentis	9	52 1.04	– 0.04	**–15.73**	34 45 48.32	45.210	+ 2.98	+ 40.0	18 51 45.22	.....	+ 4 4 55.8	....
14	δ Draconis	9	12 49.21	– 0.22	–15.78	331 21 46.78	46.158	+ 2.98	– 31.4	19 12 33.21	.....	+67 29 46.5	....
15	ε Draconis	9	48 45.29	– 0.24	–15.80	328 49 47.10	45.942	+ 2.98	– 34.9	19 48 29.25	.....	+70 1 54.6	....
16	κ Cephei	9	12 12.27	– 0.40	–15.81	321 25 48.12	46.128	+ 2.98	– 46.1	20 11 56.06	.....	+77 26 0.7	....
17	Venus II, N	9	21 16.22	0.00	–15.87	43 19 46.42	47.758	+ 3.90	+ 54.6	23 21 0.35	– 0.80	– 4 30 16.1	....
	April 26, P.												
18	Sun I, S	9	12 14.94	– 0.06	–15.94	25 43 49.02	45.027	+ 3.29	+ 27.5	2 11 58.94	+65.60	+13 7 11.6	....
19	Sun II, N	7	14 26.15	– 0.06	–15.94	25 11 47.28	45.578	+ 3.29	+ 26.8	2 14 10.15	–65.61	+13 39 1.2	....
20	α Crateris	9	55 40.21	– 0.05	**–16.16**	56 37 46.75	49.185	+ 2.76	+1 27.5	10 55 24.03	.....	–17 49 20.6	....
21	δ Crateris	9	15 7.37	– 0.05	**–16.11**	53 7 48.20	45.112	+ 2.76	+1 17.0	11 14 51.19	.....	–14 17 38.7	....
22	σ Leonis	9	16 46.87	– 0.04	**–16.12**	32 19 46.82	44.480	+ 2.76	+ 36.6	11 16 30.70	.....	+ 6 31 17.8	....
23	β Virginis	9	46 17.61	– 0.04	**–16.10**	36 33 48.60	47.000	+ 2.76	+ 42.9	11 46 1.42	.....	+ 2 16 12.0	....
24	γ Corvi	9	11 27.75	– 0.05	**–16.13**	55 51 48.42	47.552	+ 2.76	+1 25.3	12 11 11.55	.....	–17 2 42.8	....
25	η Virginis	9	15 35.32	– 0.04	**–16.10**	38 59 49.58	47.638	+ 2.76	+ 46.9	12 15 19.12	.....	– 0 10 7.6	....
26	Jupiter I, C	5	26 28.33	– 0.04	–16.16	39 57 50.28	42.451	+ 2.76	+ 48.6	12 26 12.13	+ 1.51	– 1 7 54.5	....
27	Jupiter II	5	26 31.36	– 0.04	–16.16	... .	......	....	.....	12 26 15.16	– 1.52	.. ..	....
	April 26, L.												
28	β¹ Scorpii	9	0 29.71	– 0.04	**–16.36**	58 23 49.55	44.525	+ 3.09	+1 34.3	16 0 13.37	.....	–19 33 44.0	....
29	ν Scorpii (*mean*)	9	7 3.34	– 0.04	**–16.37**	58 3 51.08	44.649	+ 3.09	+1 33.1	16 6 47.00	.....	–19 13 47.2	....
30	Moon II, S	9	16 47.49	– 0.04	–16.30	61 51 51.00	44.252	+ 3.09	+1 48.4	16 16 31.15	–66.21	–23 1 53.4	....
31	ζ Ophiuchi	9	32 29.59	– 0.03	**–16.30**	49 13 50.58	44.510	+ 3.09	+1 7.4	16 32 13.25	.....	–10 23 17.9	....
32	η Ophiuchi	9	5 30.40	– 0.03	**–16.40**	54 25 50.70	48.308	+ 3.09	+1 21.4	17 5 14.05	.....	–15 36 58.8	....
33	σ Ophiuchi	9	22 20.22	– 0.02	**–16.28**	34 37 50.70	45.282	+ 3.09	+ 40.2	17 22 3.87	.....	+ 4 12 51.5	....
34	β Ophiuchi	9	39 18.83	– 0.02	**–16.30**	34 13 50.48	47.445	+ 3.09	+ 39.7	17 39 2.47	.....	+ 4 36 2.8	....
35	ν Ophiuchi	9	54 21.50	– 0.03	**–16.31**	48 35 51.98	46.218	+ 3.09	+1 6.1	17 54 5.13	.....	– 9 45 57.0	....
36	η Serpentis	8	16 56.29	– 0.02	**–16.38**	41 45 50.85	45.828	+ 3.09	+ 52.1	18 16 39.92	.....	– 2 55 33.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 13 53	29.190	58.2	57.1
24 23 17	29.688	60.7	59.4
25 2 11	29.694	65.0	65.8
15 23	29.600	53.5	51.5
15 53	......	....	51.1
16 15	......	....	51.0
16 34	29.606	52.0	50.6
17 20	29.600	51.8	50.0
17 44	29.602	51.2	50.0
18 54	29.618	50.0	48.0
19 18	......	....	47.0
19 52	......	....	45.6
20 15	29.657	48.2	45.2
23 20	29.718	50.0	48.8
26 2 14	29.720	56.3	55.7
10 53	29.730	52.0	50.0
11 20	......	....	49.0
11 49	29.737	50.5	48.9
12 18	......	....	48.0
12 28	29.740	50.0	48.0
16 2	......	....	45.9
16 17	......	....	45.5
17 6	29.706	46.9	45.0
17 22	......	....	44.8
17 55	29.700	45.1	44.0
18 17	......	....	43.9

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 30.	Bisections at II, III, IV, V, VI.
2, 10, 14–16, 26, 29, 32, 36.	Bisections at I, II, VI, VII.
3, 18.	Bisections at I, II, III.
4, 19.	Bisections at V, VI, VII.
9.	Bisections at II, VII.
12, 21.	Bisections at I, II.
17, 22.	Bisections at VI, VII.
26.	Z. D. threads A used.
28.	Bisections at II, VI, VII.

Notes.

8–10, 12, 35, 36.	Clouds.
36.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+40 3.6	–14 43.9	...	+25 19.7
2	+ 8.6	– 12.1	...	– 3.5
3	+ 3.7	–15 53.8	...	–15 50.1
4	+ 3.8	+15 53.8	...	+15 57.6
5	+45 49.1	+14 45.8	...	+60 34.9
17	+ 8.5	– 12.0	...	– 3.5
18	+ 3.8	+15 54.8	...	+15 58.6
19	+ 3.7	–15 54.7	...	–15 51.0
26	+ 1.3	.. ....	...	+ 1.3
30	+47 46.0	+14 49.2	...	+62 35.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	3 H. Scuti	8	30 35.67	− 0.02	**−16.37**	47 7 50.88	48.190	+ 3.09	+1 2.8	18 30 19.30	.....	− 8 18 37.7	....
2	Venus II, N	9	25 5.64	− 0.01	−16.46	43 1 50.58	46.551	+ 3.61	+ 53.5	23 24 49.17	− 0.79	− 4 11 51.2	....
	April 27, L.												
3	Sun I, S	9	16 1.76	+ 0.04	−16.52	25 24 1.05	46.350	+ 4.17	+ 26.8	2 15 45.28	+65.76	+13 26 29.1	....
4	Sun II, N	9	18 13.28	+ 0.04	−16.52	24 52 0.75	46.810	+ 4.17	+ 26.2	2 17 56.80	−65.76	+13 58 19.3	....
5	γ Corvi	9	11 28.38	− 0.04	**−16.78**	55 51 51.70	47.385	+ 3.22	+1 24.6	12 11 11.60	.....	−17 2 42.0	....
6	η Virginis	9	15 35.87	− 0.02	**−16.67**	38 59 52.18	47.510	+ 3.22	+ 46.5	12 15 19.11	.....	− 0 10 7.3	....
7	Jupiter I, C	5	26 7.17	− 0.02	−16.74	39 53 53.68	47.136	+ 3.22	+ 48.2	12 25 50.41	+ 1.45	− 1 5 44.9	....
8	Jupiter II	5	26 10.06	− 0.02	−16.74	... .	......	....	. ....	12 25 53.30	− 1.44	.. ..	....
9	ρ Virginis	9	37 37.74	− 0.01	**−16.70**	28 5 52.02	48.412	+ 3.22	+ 30.8	12 37 20.98	.....	+10 43 47.9	....
10	δ Virginis	9	51 22.16	− 0.02	**−16.76**	34 57 51.75	44.710	+ 3.22	+ 40.3	12 51 5.39	.....	+ 3 53 3.3	....
11	θ Virginis	9	5 35.35	− 0.02	**−16.81**	43 53 51.92	45.978	+ 3.22	+ 55.4	13 5 18.57	.....	− 5 3 40.9	....
12	α Virginis	9	20 45.03	− 0.03	**−16.76**	49 31 51.70	45.445	+ 3.22	+1 7.6	13 20 28.23	.....	−10 41 40.7	....
	April 27, M.												
13	Moon II, S	9	9 36.43	− 0.06	−16.75	64 37 52.35	43.572	+ 3.27	+2 1.8	17 9 19.62	−68.11	−25 47 52.8	....
14	θ Ophiuchi	9	16 46.83	− 0.06	−16.75	63 43 50.30	46.129	+ 3.27	+1 57.1	17 16 30.02	.....	−24 54 44.4	....
15	σ Ophiuchi	9	22 20.63	− 0.03	**−16.65**	34 37 51.95	45.275	+ 3.27	+ 40.1	17 22 3.85	.....	+ 4 12 50.3	....
16	ξ Serpentis	9	32 43.81	− 0.04	**−16.84**	54 9 51.20	47.572	+ 3.27	+1 20.2	17 32 27.02	.....	−15 20 41.5	....
17	β Ophiuchi	9	39 19.34	− 0.03	**−16.78**	34 13 51.70	47.435	+ 3.27	+ 39.5	17 39 2.55	.....	+ 4 36 1.8	....
18	ν Ophiuchi	9	54 22.02	− 0.04	**−16.79**	48 35 51.38	46.318	+ 3.27	+1 5.8	17 54 5.22	.....	− 9 45 58.6	....
19	δ Ursæ Minoris	9	1 49.83	− 1.39	−16.77	312 15 51.35	45.402	+ 3.27	−1 3.5	18 1 31.67	.....	+86 36 31.6	....
20	μ Sagittarii	9	8 40.61	− 0.05	−16.77	59 53 50.35	47.811	+ 3.27	+1 40.0	18 8 23.79	.....	−21 5 5.8	....
21	η Serpentis	9	16 56.75	− 0.03	**−16.80**	41 45 51.58	45.845	+ 3.27	+ 51.8	18 16 39.95	.....	− 2 55 34.0	....
22	λ Sagittarii	9	22 42.67	− 0.06	−16.77	64 17 51.40	45.082	+ 3.27	+2 0.2	18 22 25.84	.....	−25 28 24.7	....
23	3 H. Scuti	9	30 36.09	− 0.04	**−16.75**	47 7 52.42	48.130	+ 3.27	+1 2.6	18 30 19.27	.....	− 8 18 37.9	....
24	φ Sagittarii	9	40 19.69	− 0.06	−16.78	65 53 50.50	46.532	+ 3.27	+2 9.4	18 40 2.85	.....	−27 5 6.1	....
25	θ Serpentis	9	52 2.12	− 0.03	**−16.77**	34 45 51.35	45.085	+ 3.27	+ 40.4	18 51 45.30	.....	+ 4 4 55.0	....
26	51 H. Cephei S. P.	9	58 45.11	+ 1.90	−16.79	306 3 50.72	47.205	+ 3.27	−1 19.4	6 58 30.22	.....	+87 11 53.0	....
27	δ Draconis	9	12 50.20	− 0.14	−16.79	331 21 51.60	45.927	+ 3.27	− 31.6	19 12 33.27	.....	+67 29 47.4	....
28	ε Draconis	9	48 46.40	− 0.17	−16.81	328 49 50.95	45.740	+ 3.27	− 35.1	19 48 29.42	.....	+70 1 55.8	....
29	κ Cephei	9	12 13.49	− 0.31	−16.82	321 25 51.90	45.903	+ 3.27	− 46.3	20 11 56.36	.....	+77 26 2.3	....
	April 28, M.												
30	Sun I, S	8	19 49.22	− 0.02	−16.95	25 5 52.35	43.892	+ 3.63	+ 26.7	2 19 32.25	+65.73	+13 45 34.6	....
31	Sun II, N	9	22 0.67	− 0.02	−16.95	24 33 53.28	44.428	+ 3.63	+ 26.0	2 21 43.70	−65.72	+14 17 22.0	....
32	Mercury I, C	9	39 35.68	0.00	−16.98	16 41 53.08	46.992	+ 3.85	+ 17.1	3 39 18.70	+ 0.26	+22 8 32.3	....
33	γ Orionis	9	20 34.32	− 0.02	[**−17.06**]	32 33 52.00	47.392	+ 3.68	+ 36.2	5 20 17.29	.....	+ 6 16 5.4	....
34	δ Orionis	9	27 40.54	− 0.03	[**−16.94**]	39 11 54.30	47.058	+ 3.68	+ 46.2	5 27 23.50	.....	− 0 21 59.2	....
35	ζ Orionis	9	36 29.04	− 0.03	[**−16.85**]	40 49 53.05	45.542	+ 3.68	+ 49.0	5 36 12.00	.....	− 1 59 26.2	....
36	κ Orionis	9	43 45.42	− 0.04	[**−16.97**]	48 31 52.55	46.830	+ 3.68	+1 4.1	5 43 28.36	.....	− 9 42 10.2	....
37	α Orionis	9	50 34.10	− 0.02	[**−16.94**]	31 27 53.18	43.926	+ 3.68	+ 34.7	5 50 17.06	.....	+ 7 23 24.9	....
38	δ Ursæ Minoris S. P.	9	1 48.22	+ 0.90	−17.02	305 29 53.78	43.440	+ 3.68	−1 19.0	18 1 32.10	.....	+86 36 30.8	....
39	8 Monocerotis	8	19 16.15	− 0.02	[**−16.87**]	34 11 53.58	46.652	+ 3.68	+ 38.5	6 18 59.10	.....	+ 4 38 18.4	....
40	α Hydræ	9	23 27.28	− 0.05	[**−17.06**]	47 5 52.42	47.060	+ 3.26	+1 1.7	9 23 10.13	.....	− 8 16 12.5	....
41	π Leonis	9	55 45.15	− 0.03	**−17.10**	30 21 52.25	46.328	+ 3.26	+ 33.8	9 55 28.01	.....	+ 8 28 32.3	....
42	34 Sextantis	9	38 16.51	− 0.03	**−17.10**	34 47 53.15	44.468	+ 3.26	+ 40.2	10 37 59.35	.....	+ 4 3 7.5	....
43	d Leonis	9	56 12.72	− 0.03	**−17.11**	34 43 52.38	47.528	+ 3.26	+ 40.1	10 55 55.55	.....	+ 4 5 58.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 18 53	29.694	46.1	44.3
23 26	29.730	53.3	53.7
27 2 18	29.720	60.7	61.3
12 10	29.724	53.8	52.1
12 24	......	....	51.4
12 49	......	....	50.8
13 23	29.716	51.8	49.9
17 10	29.696	48.3	47.1
17 33	......	....	47.1
17 54	29.706	47.7	46.8
18 23	......	....	46.7
18 40	......	....	46.3
19 13	29.736	47.3	45.5
19 49	......	....	45.5
20 12	29.768	47.0	45.6
28 2 22	29.828	58.9	58.1
3 40	29.830	59.7	59.3
5 21	29.820	60.7	60.3
5 44	......	....	60.3
6 19	29.820	60.7	60.2
9 23	29.826	54.7	54.1
9 56	......	....	52.3
10 38	......	....	50.8
10 56	29.834	51.3	....

Micrometer bisections are made at II, VI, except as noted below.

2, 5, 7, 14, 20–22, 32, 37.	Bisections at I, II, VI, VII.
3, 30.	Bisections at I, II, III.
4, 31.	Bisections at V, VI, VII.
7.	Z. D. threads A used.
13.	Bisections at II, III, IV, V, VI.
19, 26, 38.	Bisections at b_4, b_5, b_6.
27–29.	Bisections at III, IV, V.
34.	Bisections at II, VI, VII.

Notes.

1, 5, 6.	Clouds.
14–29.	Conditions poor.
33, 34.	Very unsteady; clouds.
35, 38.	Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 8.3	− 11.9	...	− 3.6
3	+ 3.7	+15 55.0	...	+15 58.7
4	+ 3.6	−15 55.1	...	−15 51.5
7	+ 1.3	.. ....	...	+ 1.3
13	+49 14.0	+14 54.3	...	+64 8.3
30	+ 3.7	+15 53.7	...	+15 57.4
31	+ 3.6	−15 53.6	...	−15 50.0
32	+ 2.7	.. ....	+0.5	+ 3.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	σ Leonis................	9	16 47.86	− 0.03	**−17.13**	32 19 51.20	44.275	+ 3.26	+ 36.6	11 16 30.69	.....	+ 6 31 17.4	....
2	τ Leonis................	9	23 36.61	− 0.03	**−17.11**	35 29 51.68	44.745	+ 3.26	+ 41.3	11 23 19.43	.....	+ 3 21 1.5	....
3	Jupiter I, C..........	5	25 46.50	− 0.04	−17.17	39 51 54.20	46.794	+ 3.26	+ 48.6	12 25 29.29	+ 1.43	− 1 3 38.1	....
4	Jupiter II............	5	25 49.35	− 0.04	−17.17	... .	......	....	. ....	12 25 32.14	− 1.42	.. ..	....
	April 28, P.												
5	σ Ophiuchi............	9	22 21.31	0.00	**−17.34**	34 37 49.15	45.325	+ 3.02	+ 40.6	17 22 3.98	.....	+ 4 12 51.7	....
6	ξ Serpentis...........	9	32 44.40	− 0.02	**−17.42**	54 9 48.55	47.620	+ 3.02	+1 21.3	17 32 27.05	.....	−15 20 40.8	....
7	β Ophiuchi............	9	39 19.88	0.00	**−17.32**	34 13 47.75	47.550	+ 3.02	+ 40.0	17 39 2.54	.....	+ 4 36 2.9	....
8	ν Ophiuchi............	9	54 22.57	− 0.01	**−17.34**	48 35 50.28	46.305	+ 3.02	+1 6.6	17 54 5.22	.....	− 9 45 57.7	....
9	Moon N................	.	.. ..	.....	.....	65 41 50.22	44.368	+ 3.29	+2 9.5	.. ..	.....	−26 52 17.4	....
10	Moon II, S............	9	4 59.92	− 0.04	−17.34	66 11 51.58	44.908	+ 3.29	+2 12.6	18 4 42.54	−69.65	−27 22 32.5	....
11	δ Sagittarii..........	9	15 32.32	− 0.04	−17.35	68 41 48.58	43.010	+ 3.02	+2 29.7	18 15 14.93	.....	−29 52 3.9	....
12	η Serpentis...........	9	16 57.36	0.00	**−17.41**	41 45 48.32	45.927	+ 3.02	+ 52.4	18 16 40.01	.....	− 2 55 33.0	....
13	3 H. Scuti............	9	30 36.67	− 0.01	**−17.33**	47 7 51.28	48.112	+ 3.02	+1 3.3	18 30 19.31	.....	− 8 18 36.8	....
14	φ Sagittarii..........	9	40 20.33	− 0.04	−17.36	65 53 50.80	46.450	+ 3.02	+2 10.9	18 40 2.93	.....	−27 5 5.8	....
15	σ Sagittarii..........	9	49 59.36	− 0.04	−17.36	65 13 49.28	45.390	+ 3.02	+2 6.9	18 49 41.96	.....	−26 24 36.1	....
16	θ Serpentis...........	9	52 2.71	0.00	**−17.36**	34 45 49.85	45.085	+ 3.02	+ 40.8	18 51 45.35	.....	+ 4 4 56.4	....
	April 29, P.												
17	Sun I.................	9	23 37.26	+ 0.02	−17.49	24 32	......	....	. ....	2 23 19.79	+65.79	.. ..	....
18	Sun II................	9	25 48.84	+ 0.02	−17.49	... .	......	....	. ....	2 25 31.37	−65.79	.. ..	....
	April 29, L.												
19	Moon II...............	9	2 11.82	− 0.05	−17.92	66 10	......	....	. ....	19 1 53.85	−70.55	.. ..	....
	April 30, L.												
20	Sun I, N..............	9	27 25.77	− 0.11	−18.09	23 55 53.12	45.977	+ 2.83	+ 24.0	2 27 7.57	+65.96	+14 54 49.7	....
21	Sun II, S.............	9	29 37.69	− 0.11	−18.09	24 27 53.75	45.443	+ 2.83	+ 24.6	2 29 19.49	−65.96	+14 23 0.5	....
22	δ Cancri..............	5	39 52.84	− 0.25	[**−18.15**]	20 21 53.42	45.262	+ 1.84	+ 19.9	8 39 34.40	.....	+18 29 10.8	....
23	ζ Hydræ...............	9	50 56.76	− 0.22	[**−18.15**]	32 33 52.30	44.385	+ 1.84	+ 34.3	8 50 38.34	.....	+ 6 17 17.6	....
24	1 H. Draconis.........	9	24 43.52	− 2.05	−18.21	317 7 51.62	46.580	+ 1.84	− 49.7	9 24 23.26	.....	+81 43 51.3	....
25	ξ Leonis..............	9	27 24.54	− 0.23	[**−18.19**]	27 7 53.62	48.218	+ 1.84	+ 27.6	9 27 6.10	.....	+11 41 55.3	....
26	ζ Leonis..............	9	12 0.40	− 0.25	**−18.20**	14 57 52.68	48.565	+ 1.84	+ 14.5	10 11 41.92	.....	+23 52 1.4	....
27	ρ Leonis..............	9	28 23.54	− 0.22	**−18.22**	29 3 53.20	47.505	+ 1.84	+ 30.0	10 28 5.09	.....	+ 9 46 9.6	....
28	34 Sextantis..........	9	38 17.77	− 0.21	**−18.20**	34 47 53.45	44.635	+ 1.84	+ 37.5	10 37 59.33	.....	+ 4 3 7.5	....
29	γ Corvi...............	9	11 30.04	− 0.21	**−18.28**	55 51 52.95	47.636	+ 2.26	+1 19.8	12 11 11.56	.....	−17 2 43.2	....
30	η Virginis............	9	15 37.63	− 0.21	**−18.25**	38 59 53.52	47.638	+ 2.28	+ 43.9	12 15 19.15	.....	− 0 10 8.0	....
31	Jupiter I, C..........	5	25 6.66	− 0.21	−18.28	39 47 54.85	46.908	+ 2.33	+ 45.3	12 24 48.17	+ 1.50	− 0 59 37.1	....
32	Jupiter II............	5	25 9.66	− 0.21	−18.28	... .	......	.. ....	. ....	12 24 51.17	− 1.50	.. ..	....
33	35 Virginis...........	9	43 36.07	− 0.21	**−18.23**	34 45 53.88	48.308	+ 2.43	+ 37.8	12 43 17.58	.....	+ 4 3 42.2	....
34	δ Virginis............	9	51 23.86	− 0.21	**−18.27**	34 57 53.32	44.795	+ 2.47	+ 38.0	12 51 5.36	.....	+ 3 53 2.8	....
35	ε Virginis............	9	58 1.53	− 0.22	**−18.21**	27 23 53.25	46.790	+ 2.50	+ 28.2	12 57 43.02	.....	+11 26 27.1	....
36	α Ursæ Minoris s. p.	6	25 45.93	+14.18	−18.30	307 41 53.98	45.655	+ 2.65	−1 10.2	1 25 41.81	.....	+88 49 29.3	....
37	ζ Virginis............	9	30 26.14	− 0.21	**−18.29**	38 57 52.88	48.108	+ 2.67	+ 44.2	13 30 7.63	.....	− 0 8 18.8	....
	April 30, P.												
38	σ Ophiuchi............	9	22 22.55	− 0.20	**−18.33**	34 37 51.48	45.365	+ 1.92	+ 38.4	17 22 4.02	.....	+ 4 12 51.8	....
39	β Ophiuchi............	9	39 21.09	− 0.20	**−18.28**	34 13 51.82	47.508	+ 2.00	+ 37.9	17 39 2.55	.....	+ 4 36 2.9	....
40	ν Ophiuchi............	9	54 23.90	− 0.19	**−18.44**	48 35 52.10	46.395	+ 2.06	+1 3.1	17 54 5.37	.....	− 9 45 57.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 11 17	......	....	50.2
11 24	29.836	50.7	49.8
12 26	29.844	49.3	47.9
17 20	29.840	45.0	43.3
17 42	......	....	43.0
18 0	......	....	43.4
18 5	......	....	43.3
18 27	29.852	45.0	43.3
18 55	29.850	44.1	43.0
30 2 30	29.540	74.7	79.8
8 41	29.572	83.0	84.7
8 51	......	....	84.1
9 28	29.592	80.8	82.3
10 9	......	....	81.9
10 39	29.622	78.9	81.9
12 12	......	....	80.1
12 18	29.662	77.2	79.8
12 44	......	....	78.7
12 55	......	....	78.3
13 31	29.684	76.0	77.0
17 20	29.735	69.0	68.8
17 42	......	....	68.0

Micrometer bisections are made at II, VI, except as noted below.

3, 31. Z. D. threads A used.
3, 29, 31. Bisections at I, II, VI, VII.
9, 20. Bisections at I, II, III.
10, 21. Bisections at V, VI, VII.
11. Bisections at I, II.
12. Bisections at I, II, VI.
16. Bisections at II, VI, VII.
24. Bisections at II, III.
36. Bisections at b_4, b_5, b_6.

Note.
8. Clouds.

No.	Parallax.	Semi-diameter.	Def. Il. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 1.3	.. ....	...	+ 1.3
9	+50 3.4	−15 1.6	+ 0.2	+35 2.0
10	+50 15.5	+15 1.6	...	+65 17.1
20	+ 3.5	−15 54.6	...	−15 51.1
21	+ 3.6	+15 54.5	...	+15 58.1
31	+ 1.3	.. ....	...	+ 1.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Serpentis	9	16 58.64	− 0.19	**−18.45**	41 45 51.12	45.950	+ 2.15	+ 49.8	18 16 40.10	.....	− 2 55 32.8	....
2	3 H. Scuti	9	30 38.01	− 0.19	**−18.43**	47 7 52.60	48.218	+ 2.21	+1 0.1	18 30 19.46	.....	− 8 18 36.4	....
3	φ Sagittarii	9	40 21.60	− 0.21	−18.36	65 53 51.00	46.738	+ 2.25	+2 4.3	18 40 3.03	.....	−27 5 5.2	....
4	σ Sagittarii	9	50 0.63	− 0.20	−18.37	65 13 51.00	45.627	+ 2.29	+2 0.6	18 49 42.06	.....	−26 24 36.1	....
5	θ Serpentis	9	52 4.02	− 0.20	**−18.41**	34 45 53.62	45.010	+ 2.30	+ 38.8	18 51 45.45	.....	+ 4 4 57.0	....
6	π Sagittarii	9	4 44.11	− 0.20	−18.37	59 59 49.52	45.450	+ 2.36	+1 36.6	19 4 25.54	.....	−21 10 6.7	....
7	ψ Sagittarii	9	10 20.76	− 0.20	−18.37	64 13 51.15	46.345	+ 2.38	+1 55.5	19 10 2.19	.....	−25 24 47.8	....
8	d Sagittarii	9	12 41.48	− 0.20	[**−18.42**]	57 55 51.28	47.800	+ 2.39	+1 29.2	19 12 22.91	.....	−19 6 54.9	....
9	ε Draconis	9	48 48.62	− 0.70	−18.39	328 49 51.95	45.689	+ 2.44	− 33.9	19 48 29.53	.....	+70 1 55.1	....
10	Moon II, N	9	0 6.44	− 0.21	−18.39	64 39 49.80	43.525	+ 2.44	+1 58.4	19 59 47.84	−70.68	−25 49 44.9	....
11	κ Cephei	9	12 15.83	− 1.12	−18.40	321 25 52.48	45.825	+ 2.44	− 44.7	20 11 56.31	.....	+77 26 1.8	....
	May 2, M.												
12	α Ursæ Minoris s. p.	9	25 57.00	+ 8.96	.....	307 41 55.88	45.677	+ 2.81	−1 13.5	1 25	.....	+88 49 28.5	....
	May 3, P.												
13	Sun I, N	9	38 54.42	− 0.11	−19.65	23 1 54.18	44.917	+ 3.44	+ 23.7	2 38 34.66	+66.16	+15 49 12.5	....
14	Sun II, S	9	41 6.74	− 0.11	−19.65	23 33 55.62	44.237	+ 3.44	+ 24.3	2 40 46.98	−66.16	+15 17 25.9	....
	May 3, L.												
15	Venus II, N	9	52 16.53	− 0.05	−20.20	40 43 56.88	47.827	+ 2.95	+ 49.8	23 51 56.28	− 0.74	− 1 54 22.3	....
	May 4, L.												
16	Sun S	.	.. ..	....	.....	23 15 54.12	45.342	+ 3.40	+ 24.5	2 43	.....	+15 35 2.1	....
17	Sun N	.	.. ..	....	.....	22 43 53.82	45.965	+ 3.40	+ 23.9	.. ..	.....	+16 6 48.7	....
18	1 H. Draconis	9	24 43.89	− 0.62	−20.43	317 7 54.95	46.572	+ 2.36	− 52.7	9 24 22.84	.....	+81 43 51.1	....
19	ξ Leonis	9	27 26.53	− 0.07	[**−20.39**]	27 7 57.15	47.945	+ 2.36	+ 29.3	9 27 6.03	.....	+11 41 55.8	....
20	α Leonis	9	3 55.87	− 0.07	**−20.44**	26 25 56.22	46.670	+ 2.36	+ 28.6	10 3 35.36	.....	+12 24 26.6	....
21	ζ Leonis	9	12 2.37	− 0.07	**−20.40**	14 57 56.40	48.288	+ 2.36	+ 15.4	10 11 41.85	.....	+23 52 2.6	....
22	ρ Leonis	9	28 25.57	− 0.07	**−20.44**	29 3 55.98	47.230	+ 2.36	+ 32.0	10 28 5.05	.....	+ 9 46 10.6	....
23	34 Sextantis	9	38 19.85	− 0.08	**−20.45**	34 47 57.00	44.302	+ 2.36	+ 40.0	10 37 59.31	.....	+ 4 3 8.5	....
24	d Leonis	9	56 16.08	− 0.08	**−20.48**	34 43 56.95	47.360	+ 2.36	+ 40.0	10 55 55.54	.....	+ 4 5 58.7	....
25	α Ursæ Minoris s. p.	9	25 58.67	+ 4.95	−20.52	307 41 54.92	45.803	+ 2.36	−1 14.8	1 25 43.10	.....	+88 49 28.7	....
	May 4, M.												
26	σ Ophiuchi	9	22 24.62	− 0.04	**−20.47**	34 37 53.65	45.198	+ 2.41	+ 40.7	17 22 4.07	.....	+ 4 12 50.6	....
27	β Ophiuchi	9	39 23.22	− 0.04	**−20.47**	34 13 53.98	47.328	+ 2.54	+ 40.1	17 39 2.67	.....	+ 4 36 2.1	....
28	ν Ophiuchi	9	54 25.92	− 0.06	**−20.48**	48 35 54.48	46.122	+ 2.65	+1 6.9	17 54 5.34	.....	− 9 45 57.7	....
29	δ Ursæ Minoris	9	1 54.67	− 0.84	−20.52	312 15 53.48	45.342	+ 2.70	−1 4.6	18 1 33.31	.....	+86 36 32.5	....
30	3 H. Scuti	9	30 40.11	− 0.05	**−20.56**	47 7 55.15	47.960	+ 2.91	+1 3.7	18 30 19.53	.....	− 8 18 37.4	....
31	θ Serpentis	9	52 6.11	− 0.02	**−20.57**	34 45 53.40	44.928	+ 3.07	+ 41.1	18 51 45.55	.....	+ 4 4 56.0	....
32	ε Aquilæ	9	55 53.67	− 0.01	**−20.62**	23 53 54.08	46.785	+ 3.10	+ 26.3	18 55 33.12	.....	+14 56 27.6	....
33	ζ Aquilæ	9	1 37.77	− 0.01	**−20.59**	25 7 54.28	44.032	+ 3.14	+ 27.8	19 1 17.21	.....	+13 43 28.8	....
34	ω Aquilæ	9	13 56.79	− 0.01	**−20.55**	27 23 53.60	48.590	+ 3.23	+ 30.8	19 13 36.23	.....	+11 25 42.3	....
35	ε Draconis	9	48 50.42	+ 0.03	−20.56	328 49 54.12	45.585	+ 3.49	− 35.7	19 48 29.89	.....	+70 1 56.6	....
36	κ Cephei	9	12 17.47	+ 0.02	−20.57	321 25 55.28	45.750	+ 3.66	− 47.0	20 11 56.92	.....	+77 26 2.7	....
37	1 H. Draconis s. p.	7	24 42.89	+ 0.24	−20.60	300 35 55.02	47.830	+ 3.75	−1 39.0	9 24 22.53	.....	+81 43 52.5	....
38	Moon II	9	43 42.14	0.00	−20.67	46 42	......	....	.....	23 43 21.47	−68.30	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 18 0	....	....	67.5
18 20	29.742	67.2	67.0
18 46	....	....	66.0
19 16	29.754	66.0	65.0
19 52	......	....	63.0
20 1	....	....	62.6
20 16	29.790	64.0	62.1
2 13 26	29.800	57.3	55.6
3 2 41	29.794	68.3	68.8
23 48	29.948	54.9	52.8
4 2 45	29.928	60.2	59.1
9 28	29.932	60.2	58.9
10 4	......	....	56.1
10 29	......	....	55.0
10 57	29.948	55.1	53.7
13 26	29.970	52.0	49.8
17 22	29.960	46.6	44.1
18 2	....	....	42.8
18 31	29.966	44.8	42.1
18 52	......	....	41.5
19 14	29.966	43.7	40.8
19 49	......	....	40.8
20 12	29.974	43.9	41.1
21 25	29.998	44.8	43.2

Micrometer bisections are made at II, VI, except as noted below.

2, 4, 15.	Bisections at II, VI, VII.
9, 11.	Bisections at I, II, VI, VII.
10.	Bisections at II, III, IV, V, VI.
12, 25, 29, 37.	Bisections at b_4, b_5, b_6.
13, 16.	Bisections at I, II, III.
14, 17.	Bisections at V, VI, VII.
18.	Bisections at III, V.
35, 36.	Bisections at III, IV, V.

Note.
37. Poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+50 45.7	−15 21.9	...	+35 23.8
13	+ 3.4	−15 53.3	...	−15 49.9
14	+ 3.4	+15 53.3	...	+15 56.7
15	+ 7.4	− 11.0	...	− 3.6
16	+ 3.4	+15 53.3	...	+15 56.7
17	+ 3.3	−15 53.2	...	−15 49.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	May 5, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	46 36.20	+ 0.04	−20.74	22 57 55.72	46.893	+ 3.75	+ 24.4	2 46 15.50	+66.24	+15 52 24.8	....
2	Sun II, N.	9	48 48.69	+ 0.04	−20.74	22 25 54.90	47.607	+ 3.75	+ 23.8	2 48 27.99	−66.25	+16 24 9.8	....
3	1 H. Draconis	9	24 43.71	− 0.41	−20.92	317 7 55.18	46.478	+ 3.71	− 52.8	9 24 22.38	.....	+81 43 52.1	....
	May 5, P.												
4	σ Ophiuchi	9	22 25.26	− 0.01	**−21.12**	34 37 50.92	45.220	+ 2.71	+ 40.7	17 22 4.10	.....	+ 4 12 52.6	....
5	β Ophiuchi	9	39 23.89	− 0.01	**−21.15**	34 13 49.65	47.438	+ 2.71	+ 40.1	17 39 2.72	.....	+ 4 36 3.8	....
6	ν Ophiuchi	9	54 26.61	− 0.02	**−21.19**	48 35 50.95	46.258	+ 2.71	+1 6.8	17 54 5.43	.....	− 9 45 57.2	....
7	72 Ophiuchi	9	3 27.17	0.00	**−21.15**	29 17 51.70	45.688	+ 2.71	+ 33.1	18 3 6.01	.....	+ 9 32 48.7	....
8	η Serpentis	9	17 1.32	− 0.02	**−21.17**	41 45 50.10	45.812	+ 2.71	+ 52.6	18 16 40.13	.....	− 2 55 32.0	....
9	3 H. Scuti	9	30 40.77	− 0.02	**−21.22**	47 7 51.95	48.085	+ 2.71	+1 3.5	18 30 19.58	.....	− 8 18 36.7	....
10	θ Serpentis	9	52 6.76	− 0.01	**−21.20**	34 45 50.55	45.010	+ 2.71	+ 41.0	18 51 45.57	.....	+ 4 4 57.5	....
11	ε Aquilæ	9	55 54.23	0.00	**−21.16**	23 53 53.20	46.765	+ 2.71	+ 26.2	18 55 33.05	.....	+14 56 29.5	....
12	ζ Aquilæ	9	1 38.37	0.00	**−21.17**	25 7 49.68	44.205	+ 2.71	+ 27.7	19 1 17.18	.....	+13 43 30.0	....
13	1 H. Draconis s. p.	9	24 43.17	+ 0.38	−21.24	300 35 48.18	48.188	+ 3.07	−1 38.9	9 24 22.31	.....	+81 43 53.2	....
14	β Cephei	9	27 50.71	− 0.03	−21.24	328 41 50.82	46.790	+ 3.07	− 35.7	21 27 29.44	.....	+70 9 32.4	....
15	Venus II, N.	9	0 9.29	+ 0.01	−21.28	40 3 55.28	43.460	+ 3.71	+ 48.8	23 59 48.02	− 0.72	− 1 12 40.6	....
16	Moon II	9	38 16.07	+ 0.01	−21.30	39 56	......	....	. ....	0 37 54.78	−68.66	.. ..	....
	May 6, P.												
17	Sun I, S.	9	50 28.21	+ 0.04	−21.35	22 41 54.38	44.117	+ 3.62	+ 24.0	2 50 6.90	+66.31	+16 9 30.1	....
18	Sun II, N.	9	52 40.83	+ 0.04	−21.35	22 9 55.38	44.658	+ 3.62	+ 23.4	2 52 19.52	−66.31	+16 41 17.3	....
19	Mercury I, C.	9	12 18.08	+ 0.01	−21.38	15 9 52.30	47.012	+ 3.32	+ 15.5	4 11 56.71	+ 0.32	+23 40 34.7	....
20	κ Cephei s. p.	8	12 18.06	+ 0.58	−21.46	296 19 51.60	43.852	+ 3.27	−1 53.5	20 11 57.18	.....	+77 26 3.2	....
21	1 H. Draconis	9	24 44.43	− 0.67	−21.48	317 7 53.58	46.605	+ 3.27	− 52.6	9 24 22.28	.....	+81 43 51.0	....
22	β Cephei s. p.	9	27 50.61	+ 0.40	−21.48	289 3 50.95	44.757	+ 3.27	−2 42.4	21 27 29.53	.....	+70 9 34.3	....
	May 6, L.												
23	σ Ophiuchi	9	22 25.90	− 0.02	**−21.73**	34 37 54.60	45.062	+ 3.71	+ 40.2	17 22 4.15	.....	+ 4 12 52.0	....
24	β Ophiuchi	9	39 24.49	− 0.02	**−21.71**	34 13 54.62	47.215	+ 3.71	+ 39.6	17 39 2.74	.....	+ 4 36 3.4	....
25	ν Ophiuchi	9	54 27.23	− 0.04	**−21.76**	48 35 55.60	46.030	+ 3.71	+1 5.9	17 54 5.45	.....	− 9 45 56.8	....
26	η Serpentis	9	17 1.94	− 0.03	**−21.75**	41 45 54.92	45.622	+ 3.71	+ 52.0	18 16 40.16	.....	− 2 55 32.9	....
27	3 H. Scuti	9	30 41.33	− 0.04	**−21.73**	47 7 55.70	47.895	+ 3.71	+1 2.7	18 30 19.54	.....	− 8 18 36.3	....
28	θ Serpentis	9	52 7.38	− 0.02	**−21.78**	34 45 55.65	44.772	+ 3.71	+ 40.4	18 51 45.60	.....	+ 4 4 57.4	....
29	β Cephei	9	27 51.22	− 0.06	−21.82	328 41 54.85	46.612	+ 3.54	− 35.4	21 27 29.34	.....	+70 9 31.9	....
30	α Ursæ Minoris	7	26 13.50	− 2.83	−21.91	310 1 56.28	48.283	+ 3.61	−1 6.9	1 25 48.76	.....	+88 49 23.8	....
	May 7, L.												
31	Sun I, N.	9	54 20.55	− 0.01	−21.96	21 51 55.95	47.823	+ 3.36	+ 22.6	2 53 58.58	+66.49	+16 58 5.5	....
32	Sun II, S.	9	56 33.53	− 0.01	−21.96	22 23 54.60	47.193	+ 3.36	+ 23.2	2 56 11.56	−66.49	+16 26 20.6	....
	May 9, M.												
33	43 Comæ Berenices	9	8 5.24	− 0.06	**−23.17**	10 30	......	....	. ....	13 7 41.95	.....	+28 20	....
34	α Ursæ Minoris s. p.	9	26 2.39	+ 8.26	−23.23	307 41 55.08	45.582	+ 2.54	−1 13.0	1 25 47.42	.....	+88 49 25.8	....
	May 9, P.												
35	σ Ophiuchi	9	22 27.57	− 0.04	**−23.31**	34 37 51.75	45.225	+ 2.93	+ 39.5	17 22 4.16	.....	+ 4 12 52.6	....
36	β Ophiuchi	9	39 26.20	− 0.04	**−23.33**	34 13 52.48	47.355	+ 2.93	+ 38.9	17 39 2.78	.....	+ 4 36 3.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 2 49	30.000	56.9	55.9
9 25	29.938	57.8	57.8
17 20	29.960	45.9	44.0
17 43	......	....	44.0
18 0	......	....	43.4
18 20	29.960	45.8	43.4
18 50	......	....	42.8
19 3	29.956	44.5	42.3
21 30	29.990	46.1	43.8
0 0	30.004	53.0	51.8
6 2 53	29.956	57.0	56.8
4 13	29.936	59.1	59.0
8 10	29.892	61.1	61.6
9 29	29.884	59.0	58.9
17 21	29.900	48.7	48.5
17 55	......	....	49.1
18 29	......	....	48.2
18 52	29.896	48.0	47.9
21 21	......	....	45.1
21 29	29.908	46.9	45.7
1 27	29.930	61.4	63.0
7 2 57	29.896	63.9	66.1
9 13 26	29.630	57.4	56.4
17 20	29.643	54.0	53.0

Micrometer bisections are made at II, VI, except as noted below.

1, 17, 31.	Bisections at I, II, III.
2, 18, 32.	Bisections at V, VI, VII.
3, 13, 20–22, 30, 34.	Bisections at b_4, b_5, b_6.
14.	Bisections at II, VI, VII.
15, 19.	Bisections at I, II, VI, VII.
29.	Bisections at II, III, V, VI.

Notes.

23–30.	Conditions poor.
29, 30.	Hazy.
30.	Very unsteady and faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.4	+15 52.4	...	+15 55.8
2	+ 3.3	−15 52.5	...	−15 49.2
15	+ 7.1	− 10.8	...	− 3.7
17	+ 3.3	+15 53.6	...	+15 56.9
18	+ 3.3	−15 53.6	...	−15 50.3
19	+ 2.9	.. ....	+0.7	+ 3.6
31	+ 3.2	−15 52.4	...	−15 49.2
32	+ 3.3	+15 52.4	...	+15 55.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr:	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Ophiuchi	9	54 29.01	− 0.04	**−23.46**	48 35 53.55	46.200	+ 2.93	+1 4.8	17 54 5.58	.....	− 9 45 56.7	....
2	72 Ophiuchi	9	3 29.63	− 0.04	**−23.47**	29 17 51.32	45.725	+ 2.93	+ 32.1	18 3 6.20	.....	+ 9 32 49.0	....
3	η Serpentis	9	17 3.74	− 0.04	**−23.47**	41 45 50.22	45.875	+ 2.93	+ 51.0	18 16 40.30	.....	− 2 55 32.2	....
4	θ Serpentis	8	52 9.12	− 0.04	**−23.42**	34 45 52.35	44.998	+ 2.93	+ 39.6	18 51 45.67	.....	+ 4 4 57.3	....
5	ε Aquilæ	9	55 56.53	− 0.05	**−23.30**	23 53 53.45	46.773	+ 2.93	+ 25.3	18 55 33.07	.....	+14 56 29.8	....
6	ζ Aquilæ	9	1 40.81	− 0.04	**−23.46**	25 7 52.58	44.083	+ 2.93	+ 26.8	19 1 17.36	.....	+13 43 30.5	....
7	β Cephei	9	27 53.33	− 0.34	−23.47	328 41 52.22	46.664	+ 3.31	− 34.6	21 27 29.52	.....	+70 9 32.3	....
8	Venus II, N	9	16 2.97	− 0.01	−23.53	38 37 52.28	43.725	+ 3.76	+ 44.9	0 15 39.43	− 0.70	+ 0 13 20.1	....
9	α Ursæ Minoris	9	26 19.12	− 7.10	−23.56	310 1 54.20	48.332	+ 3.76	−1 6.2	1 25 48.46	.....	+88 49 23.9	....
	May 10, P.												
10	Sun I, N	9	6 1.33	− 0.09	−23.60	21 3 54.78	45.900	+ 3.52	+ 21.5	3 5 37.64	+66.75	+17 46 51.6	....
11	Sun II, S	9	8 14.83	− 0.09	−23.60	21 35 54.65	45.188	+ 3.52	+ 22.0	3 7 51.14	−66.75	+17 15 7.4	....
	May 12, P.												
12	σ Ophiuchi	9	22 29.28	0.00	**−25.00**	34 37 51.85	45.158	+ 2.69	+ 40.2	17 22 4.23	.....	+ 4 12 53.6	....
13	β Ophiuchi	9	39 27.91	0.00	**−25.02**	34 13 50.20	47.390	+ 2.78	+ 39.7	17 39 2.85	.....	+ 4 36 4.6	....
14	ν Ophiuchi	9	54 30.69	− 0.01	**−25.10**	48 35 51.40	46.225	+ 2.86	+1 6.1	17 54 5.62	.....	− 9 45 56.4	....
15	η Serpentis	9	17 5.42	0.00	**−25.11**	41 45 51.05	45.722	+ 2.97	+ 52.1	18 16 40.35	.....	− 2 55 30.7	....
16	3 H. Scuti	9	30 44.82	0.00	**−25.10**	47 7 52.55	48.035	+ 3.04	+1 2.9	18 30 19.74	.....	− 8 18 35.8	....
17	θ Serpentis	9	52 10.81	0.00	**−25.07**	34 45 49.12	45.037	+ 3.16	+ 40.5	18 51 45.73	.....	+ 4 4 58.4	....
18	1 H. Draconis S. P.	9	24 46.01	+ 0.83	−25.14	300 35 50.42	48.007	+ 3.13	−1 38.2	9 24 21.70	.....	+81 43 52.1	....
19	Venus II, N	9	28 4.89	− 0.03	−25.18	37 29 53.48	47.930	+ 3.33	+ 44.0	0 27 39.68	− 0.67	+ 1 19 44.2	....
20	α Ursæ Minoris	8	26 18.22	− 6.75	−25.24	310 1 54.15	48.425	+ 3.33	−1 7.7	1 25 46.23	.....	+88 49 23.8	....
	May 13, P.												
21	Sun I, S	9	17 47.07	+ 0.01	−25.25	20 49 54.88	44.642	+ 3.31	+ 21.7	3 17 21.83	+67.03	+18 1 20.2	....
22	Sun II, N	9	20 1.13	+ 0.01	−25.25	20 17 55.08	45.513	+ 3.31	+ 21.1	3 19 35.89	−67.03	+18 33 0.7	....
23	Moon I, N	9	52 58.59	− 0.03	−25.36	13 23 51.00	44.380	+ 2.93	+ 13.6	7 52 33.20	+73.16	+25 27 38.5	....
	May 14, L.												
24	Sun I, S	9	21 43.57	+ 0.02	−25.88	20 33 55.35	47.898	+ 2.63	+ 21.6	3 21 17.71	+67.05	+18 16 6.1	....
25	Sun II, N	9	23 57.66	+ 0.02	−25.88	20 1 56.65	48.757	+ 2.63	+ 21.0	3 23 31.80	−67.04	+18 47 45.7	....
26	Moon I, N	9	52 35.16	− 0.01	−25.98	16 7 56.90	45.057	+ 2.61	+ 16.7	8 52 9.17	+70.22	+22 43 14.4	....
27	1 H. Draconis	9	24 48.03	− 0.52	−25.99	317 7 54.60	46.620	+ 2.61	− 53.1	9 24 21.52	.....	+81 43 50.6	....
28	χ Leonis	9	0 49.22	− 0.01	[**−26.01**]	31 1 56.32	44.078	+ 2.03	+ 34.9	11 0 23.18	.....	+ 7 49 19.8	....
29	δ Leonis	9	9 46.34	− 0.01	**−26.02**	17 49 55.35	45.560	+ 2.03	+ 18.7	11 9 20.30	.....	+21 1 3.0	....
30	σ Leonis	9	16 56.58	− 0.01	**−26.02**	32 19 55.62	44.055	+ 2.03	+ 36.8	11 16 30.53	.....	+ 6 31 19.1	....
31	τ Leonis	9	23 45.40	− 0.01	**−26.07**	35 29 57.22	44.488	+ 2.03	+ 41.5	11 23 19.35	.....	+ 3 21 2.9	....
32	β Leonis	9	44 55.17	− 0.01	**−26.08**	23 45 57.05	46.655	+ 2.03	+ 25.7	11 44 29.11	.....	+15 4 29.3	....
33	π Virginis	9	56 42.72	− 0.01	**−26.09**	31 43 56.05	45.165	+ 2.03	+ 36.0	11 56 16,66	.....	+ 7 6 54.1	....
34	ο Virginis	9	1 4.60	− 0.01	**−26.09**	29 35 57.05	47.838	+ 2.03	+ 33.2	12 0 38.54	.....	+ 9 13 54.8	....
	May 15, P.												
35	1 H. Draconis	6	24 48.33	− 0.48	−26.51	317 7 53.22	46.670	+ 2.70	− 53.2	9 24 21.34	.....	+81 43 51.0	....
36	Moon I, N	9	47 23.51	0.00	−26.52	20 1 52.15	45.919	+ 2.70	+ 21.1	9 46 56.99	+67.20	+18 48 55.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 17 42	......	....	53.1
18 0	......	....	53.2
18 20	29.656	54.0	54.0
19 3	29.664	54.8	54.0
21 30	29.738	55.0	53.8
0 14	29.786	63.8	63.8
1 26	29.784	66.0	66.0
10 3 8	29.752	68.3	68.7
12 17 20	29.706	47.5	45.1
17 42	......	....	45.0
17 57	......	....	44.6
18 20	29.706	46.8	44.1
18 54	29.710	46.2	44.0
21 27	29.750	46.0	43.3
0 26	29.777	54.5	53.8
1 27	29.782	56.1	54.9
13 3 20	29.760	58.2	57.5
7 55	29.744	59.0	58.5
14 3 24	29.864	56.7	54.3
8 53	29.888	55.7	54.9
9 28	29.890	55.2	54.2
11 1	29.910	51.7	50.0
11 17	......	....	49.1
11 45	......	....	48.9
12 2	29.922	49.9	48.1
15 9 21	30.082	56.8	56.5
9 50	30.078	56.0	55.0

Micrometer bisections are made at II, VI, except as noted below.

4.	Bisections at VI, VII.
5, 16, 17.	Bisections at II, VI, VII.
6.	Bisections at I, II, VII.
7, 8, 19.	Bisections at I, II, VI, VII.
9, 18, 20, 35.	Bisections at b_4, b_5, b_6.
10, 21, 24.	Bisections at I, II, III.
11, 22, 25.	Bisections at V, VI, VII.
23, 26, 36.	Bisections at II, III, IV, V, VI.
27.	Bisections at III, IV, V.

Notes.

4, 6. Clouds.

36. Circle reading decreased 16′.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 6.8	− 10.4	...	− 3.6
10	+ 3.1	−15 52.1	...	−15 49.0
11	+ 3.2	+15 52.0	...	+15 55.2
19	+ 6.3	− 10.1	...	− 3.8
21	+ 3.1	+15 50,2	...	+15 53.3
22	+ 3.0	−15 50.2	...	−15 47.2
23	+13 18.1	−15 50.3	...	− 2 32.2
24	+ 3.0	+15 49.8	...	+15 52.8
25	+ 3.0	−15 49.8	...	−15 46.8
26	+15 43.0	−15 34.5	...	+ 0 8.5
36	+19 6.8	−15 20.2	...	+ 3 46.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	′ ″	′ ″	h m s	s	° ′ ″	″
1	β Leonis	9	44 55.71	− 0.01	**−26.53**	23 45 53.85	46.785	+ 2.70	+ 25.8	11 44 29.14	.....	+15 4 28.8	....
2	π Virginis	9	56 43.24	0.00	**−26.63**	31 43 52.62	45.288	+ 2.70	+ 36.1	11 56 16.67	.....	+ 7 6 53.9	....
3	ο Virginis	9	1 5.06	− 0.01	**−26.55**	29 35 51.92	48.072	+ 2.70	+ 33.2	12 0 38.48	.....	+ 9 13 53.9	....
4	ρ Virginis	9	37 47.50	− 0.01	**−26.53**	28 5 49.15	48.510	+ 2.70	+ 31.3	12 37 20.91	.....	+10 43 48.6	....
5	δ Virginis	9	51 31.98	− 0.01	**−26.64**	34 57 51.60	44.710	+ 2.70	+ 40.9	12 51 5.38	.....	+ 3 53 3.4	....
6	ε Virginis	9	58 9.63	− 0.01	**−26.56**	27 23 51.45	46.710	+ 2.70	+ 30.3	12 57 43.03	.....	+11 26 28.4	....
7	α Ursæ Minoris S. P.	9	26 13.22	+ 6.31	−26.60	307 41 53.18	45.753	+ 2.70	−1 15.3	1 25 52.93	.....	+88 49 25.7	....
	May 15, M.												
8	σ Ophiuchi	9	22 31.01	− 0.02	**−26.65**	34 37 55.80	45.042	+ 2.57	+ 40.7	17 22 4.34	.....	+ 4 12 51.9	....
9	β Ophiuchi	9	39 29.61	− 0.02	**−26.63**	34 13 55.15	47.238	+ 2.57	+ 40.2	17 39 2.94	.....	+ 4 36 2.9	....
10	ν Ophiuchi	9	54 32.39	− 0.03	**−26.71**	48 35 55.05	46.072	+ 2.57	+1 6.9	17 54 5.70	.....	− 9 45 57.0	....
11	η Serpentis	9	17 7.09	− 0.02	**−26.69**	41 45 54.68	45.635	+ 2.57	+ 52.7	18 16 40.40	.....	− 2 55 32.5	....
12	3 H. Scuti	9	30 46.48	− 0.03	**−26.65**	47 7 54.75	47.970	+ 2.57	+1 3.6	18 30 19.78	.....	− 8 18 36.8	....
13	θ Serpentis	9	52 12.51	− 0.02	**−26.67**	34 45 54.20	44.868	+ 2.57	+ 41.0	18 51 45.81	.....	+ 4 4 57.2	....
	May 16, M.												
14	Sun I, S	9	29 38.00	− 0.06	−26.90	20 5 57.78	46.212	+ 2.94	+ 20.9	3 29 11.04	+67.16	+18 44 42.6	....
15	Sun II, N	9	31 52.31	− 0.06	−26.90	19 33 53.20	47.432	+ 2.94	+ 20.3	3 31 25.35	−67.15	+19 16 19.8	....
16	Moon I, N	9	37 52.11	− 0.08	−27.07	24 43 55.50	45.894	+ 2.34	+ 26.5	10 37 24.96	+64.57	+14 6 47.2	....
17	χ Leonis	9	0 50.36	− 0.08	[**−27.10**]	31 1 54.45	44.222	+ 2.34	+ 34.6	11 0 23.21	.....	+ 7 49 18.3	....
18	δ Leonis	9	9 47.39	− 0.09	[**−27.01**]	17 49 54.65	45.625	+ 2.34	+ 18.5	11 9 20.22	.....	+21 1 2.1	....
19	σ Leonis	9	16 57.64	− 0.08	[**−27.03**]	32 19 55.42	44.070	+ 2.34	+ 36.4	11 16 30.48	.....	+ 6 31 18.8	....
20	ι Leonis	9	19 42.04	− 0.08	−27.08	27 49 55.02	43.935	+ 2.34	+ 30.4	11 19 14.88	− 0.77	+11 1 28.5	+ 1.5
21	τ Leonis	9	23 46.39	− 0.08	**−27.00**	35 29 54.82	44.655	+ 2.34	+ 41.1	11 23 19.23	.....	+ 3 21 1.6	....
22	β Leonis	9	44 56.29	− 0.08	**−27.05**	23 45 54.90	46.820	+ 2.34	+ 25.4	11 44 29.12	.....	+15 4 27.7	....
	May 16, P.												
23	σ Ophiuchi	9	22 31.63	− 0.04	**−27.23**	34 37 49.95	45.285	+ 1.80	+ 40.5	17 22 4.32	.....	+ 4 12 53.2	....
24	β Ophiuchi	9	39 30.31	− 0.04	**−27.29**	34 13 49.80	47.438	+ 1.80	+ 40.0	17 39 2.99	.....	+ 4 36 4.6	....
25	ν Ophiuchi	9	54 33.04	− 0.04	**−27.33**	48 35 48.30	46.410	+ 1.80	+1 6.6	17 54 5.71	.....	− 9 45 56.9	....
26	η Serpentis	9	17 7.78	− 0.04	**−27.33**	41 45 48.15	45.930	+ 1.80	+ 52.4	18 16 40.44	.....	− 2 55 31.7	....
27	3 H. Scuti	9	30 47.25	− 0.04	**−27.38**	47 7 50.58	48.158	+ 1.80	+1 3.3	18 30 19.91	.....	− 8 18 35.9	....
28	θ Serpentis	9	52 13.21	− 0.04	**−27.32**	34 45 49.60	45.075	+ 1.80	+ 40.8	18 51 45.86	.....	+ 4 4 58.0	....
29	1 H. Draconis S. P.	9	24 47.72	+ 1.08	−27.37	300 35 49.02	48.153	+ 1.84	−1 38.5	9 24 21.43	.....	+81 43 52.4	....
	May 17, P.												
30	Sun I, N	9	33 36.10	− 0.06	−27.52	19 19 52.02	47.852	+ 2.78	+ 19.9	3 33 8.52	+67.36	+19 30 12.0	....
31	Sun II, S	9	35 50.81	− 0.06	−27.52	19 51 51.82	46.995	+ 2.78	+ 20.5	3 35 23.23	−67.35	+18 58 31.2	....
32	Moon I, N	9	24 59.51	− 0.10	−27.71	29 55 48.90	45.698	+ 1.26	+ 32.9	11 24 31.70	+62.60	+ 8 54 53.0	....
33	β Leonis	9	44 56.96	− 0.10	**−27.71**	23 45 47.42	47.155	+ 1.26	+ 25.2	11 44 29.14	.....	+15 4 28.8	....
34	π Virginis	9	56 44.43	− 0.10	**−27.74**	31 43 48.10	45.572	+ 1.26	+ 35.4	11 56 16.60	.....	+ 7 6 54.1	....
35	ο Virginis	9	1 6.28	− 0.10	**−27.70**	29 35 49.20	48.260	+ 1.26	+ 32.6	12 0 38.45	.....	+ 9 13 54.4	....
36	ρ Virginis	9	37 48.78	− 0.10	**−27.73**	28 5 50.22	48.525	+ 1.26	+ 30.7	12 37 20.94	.....	+10 43 49.2	....
37	δ Virginis	9	51 33.22	− 0.10	**−27.79**	34 57 48.35	44.915	+ 1.26	+ 40.1	12 51 5.37	.....	+ 3 53 4.2	....
38	ε Virginis	9	58 10.89	− 0.10	**−27.74**	27 23 48.70	46.908	+ 1.26	+ 29.8	12 57 43.04	.....	+11 26 28.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 11 43	30.080	51.0	49.4
12 7	......	....	49.6
12 35	30.086	50.2	49.2
13 0	......	....	49.6
13 27	30.096	49.1	49.0
17 23	30.090	46.3	45.3
17 55	......	....	45.1
18 17	30.086	46.2	44.8
18 52	30.094	46.3	45.1
16 3 32	30.188	63.2	63.0
10 38	30.160	60.2	59.7
11 1	......	....	59.1
11 24	......	....	58.1
11 45	30.170	58.2	57.7
17 20	30.136	51.0	49.0
17 42	......	....	48.2
17 57	......	....	48.0
18 15	30.137	49.9	48.0
18 33	......	....	47.8
18 54	30.144	49.0	47.3
21 27	30.176	49.0	48.5
17 3 36	30.144	65.4	66.5
11 22	29.950	60.8	59.0
11 48	......	....	57.9
12 5	29.943	59.2	57.0
12 36	......	....	56.1

Micrometer bisections are made at II, VI, except as noted below.

7, 29. Bisections at b$_4$, b$_5$, b$_6$.
14, 30. Bisections at I, II, III.
15, 31. Bisections at V, VI, VII.
16, 32. Bisections at II, III, IV, V, VI.
19. Bisections at I, II.

Notes.

8–13. Conditions poor.
21, 37. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+ 3.0	+15 48.6	...	+15 51.6
15	+ 2.9	−15 48.5	...	−15 45.6
16	+23 4.0	−15 8.1	...	+ 7 55.9
30	+ 2.9	−15 50.4	...	−15 47.5
31	+ 2.9	+15 50.4	...	+15 53.3
32	+27 14.5	−14 58.6	...	+12 15.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris s. p.	9	26 12.28	+ 7.62	−27.76	307 41 49.95	45.870	+ 1.26	−1 13.9	1 25 52.14	.....	+88 49 25.1	....
	May 18, L.												
2	Sun I, S.	9	37 34.74	− 0.10	−28.15	19 37 50.20	48.397	+ 2.88	+ 19.8	3 37 6.49	+67.45	+19 12 1.4	....
3	Sun II, N.	4	39 49.64	− 0.10	−28.15	19 5 49.12	49.360	+ 2.88	+ 19.2	3 39 21.39	−67.45	+19 43 41.1	....
4	β Leonis	9	44 57.61	− 0.12	**−28.35**	23 45 52.60	46.835	+ 2.62	+ 24.8	11 44 29.16	.....	+15 4 29.9	....
5	π Virginis	9	56 45.06	− 0.11	**−28.36**	31 43 51.92	45.358	+ 2.62	+ 34.8	11 56 16.61	.....	+ 7 6 54.4	....
6	o Virginis	9	1 6.89	− 0.11	**−28.30**	29 35 52.60	48.048	+ 2.62	+ 32.0	12 0 38.44	.....	+ 9 13 55.1	....
7	Moon I, N.	9	9 53.68	− 0.10	−28.34	35 23 52.25	44.351	+ 2.62	+ 40.0	12 9 25.24	+61.39	+ 3 27 11.9	....
8	η Virginis	9	15 47.56	− 0.10	**−28.39**	38 59 53.70	47.455	+ 2.62	+ 45.6	12 15 19.11	.....	− 0 10 6.1	....
9	ρ Virginis	9	37 49.36	− 0.10	**−28.32**	28 5 52.68	48.358	+ 2.62	+ 30.1	12 37 20.91	.....	+10 43 49.8	....
10	δ Virginis	9	51 33.81	− 0.09	**−28.40**	34 57 53.18	44.660	+ 2.62	+ 39.4	12 51 5.36	.....	+ 3 53 4.5	....
11	ε Virginis	9	58 11.47	− 0.10	**−28.32**	27 23 52.50	46.655	+ 2.62	+ 29.3	12 57 43.01	.....	+11 26 29.7	....
12	43 Comæ Berenices	9	8 10.42	− 0.12	**−28.34**	10 29 51.78	48.692	+ 2.62	+ 10.5	13 7 41.93	.....	+28 20 2.6	....
13	α Ursæ Minoris s. p.	9	26 12.56	+ 9.55	−28.37	307 41 50.52	45.758	+ 2.62	−1 12.7	1 25 53.74	.....	+88 49 25.7	....
	May 18, M.												
14	σ Ophiuchi	9	22 32.86	− 0.11	**−28.35**	34 37 51.42	45.252	+ 2.46	+ 39.4	17 22 4.39	.....	+ 4 12 52.9	....
15	β Ophiuchi	9	39 31.48	− 0.11	**−28.35**	34 13 51.12	47.428	+ 2.46	+ 38.9	17 39 3.00	.....	+ 4 36 4.0	....
16	ν Ophiuchi	9	54 34.22	− 0.11	**−28.39**	48 35 52.10	46.262	+ 2.46	+1 4.8	17 54 5.74	.....	− 9 45 56.2	....
17	η Serpentis	9	17 8.98	− 0.11	**−28.42**	41 45 50.58	45.873	+ 2.46	+ 51.1	18 16 40.49	.....	− 2 55 32.0	....
18	3 H. Scuti	9	30 48.38	− 0.11	**−28.39**	47 7 52.50	48.148	+ 2.46	+1 1.7	18 30 19.88	.....	− 8 18 36.6	....
19	θ Serpentis	9	52 14.41	− 0.11	**−28.40**	34 45 50.28	45.055	+ 2.46	+ 39.7	18 51 45.90	.....	+ 4 4 58.2	....
20	α Ursæ Minoris	9	26 29.28	− 5.13	−28.54	310 1 53.90	48.362	+ 4.27	−1 5.9	1 25 55.61	.....	+88 49 22.7	....
	May 19, M.												
21	Sun I, S.	9	41 33.99	− 0.07	−28.62	19 25 50.45	45.357	+ 3.44	+ 19.5	3 41 5.30	+67.40	+19 25 10.4	....
22	Sun II, N.	9	43 48.78	− 0.07	−28.62	18 53 50.38	46.293	+ 3.44	+ 19.0	3 43 20.09	−67.39	+19 56 49.5	....
23	ε Draconis s. p.	9	48 58.83	+ 0.75	−28.73	288 55 53.70	45.480	+ 3.50	−2 37.2	19 48 30.85	.....	+70 1 58.7	....
24	κ Cephei s. p.	9	12 26.07	+ 1.18	−28.74	296 19 51.78	43.776	+ 3.50	−1 49.7	20 11 58.51	.....	+77 26 5.2	....
25	1 H. Draconis	9	24 51.01	− 1.76	−28.77	317 7 53.70	46.440	+ 3.35	− 50.8	9 24 20.48	.....	+81 43 52.8	....
26	β Cephei s. p.	9	27 58.36	+ 0.76	−28.78	289 3 51.25	44.467	+ 3.34	−2 36.9	21 27 30.34	.....	+70 9 33.5	....
27	o Virginis	9	1 7.45	− 0.21	**−28.77**	29 35 50.08	48.230	+ 2.92	+ 31.8	12 0 38.41	.....	+ 9 13 53.3	....
28	η Virginis	9	15 48.06	− 0.21	**−28.78**	38 59 51.02	47.682	+ 2.84	+ 45.4	12 15 19.02	.....	− 0 10 8.6	....
29	ρ Virginis	9	37 49.90	− 0.20	**−28.76**	28 5 49.60	48.545	+ 2.75	+ 30.0	12 37 20.86	.....	+10 43 48.6	....
30	Moon I, N.	9	53 42.98	− 0.20	−28.85	40 55 49.88	44.082	+ 2.67	+ 48.7	12 53 13.93	+60.95	− 2 4 48.3	....
31	43 Comæ Berenices	9	8 10.97	− 0.22	**−28.79**	10 29 49.65	48.802	+ 2.61	+ 10.5	13 7 41.90	.....	+28 20 2.2	....
32	α Ursæ Minoris s. p.	7	26 13.41	+ 9.90	−28.86	307 41 54.18	45.500	+ 2.52	−1 12.4	1 25 54.45	.....	+88 49 23.6	....
33	η Boötis	9	50 54.50	− 0.19	**−28.83**	19 59 50.10	46.298	+ 2.42	+ 20.6	13 50 25.44	.....	+18 50 49.1	....
34	ι Virginis	.	.. ..	....	.....	44 23 51.95	48.070	+ 2.36	+ 55.3	14 11	.....	− 5 34 27.8	....
35	f Boötis	9	22 46.78	− 0.19	**−28.82**	19 11 50.78	49.122	+ 2.36	+ 19.7	14 22 17.71	.....	+19 37 44.9	....
	May 19, P.												
36	σ Ophiuchi	9	22 33.55	− 0.15	**−28.98**	34 37 49.35	45.340	+ 2.11	+ 39.3	17 22 4.40	.....	+ 4 12 53.4	....
37	β Ophiuchi	9	39 32.24	− 0.15	**−29.05**	34 13 49.52	47.488	+ 2.11	+ 38.7	17 39 3.08	.....	+ 4 36 4.8	....
38	ν Ophiuchi	9	54 35.01	− 0.15	**−29.12**	48 35 50.60	46.362	+ 2.11	+1 4.5	17 54 5.84	.....	− 9 45 56.3	....
39	72 Ophiuchi	9	3 35.52	− 0.15	**−29.02**	29 17 51.15	45.738	+ 2.11	+ 32.0	18 3 6.35	.....	+ 9 32 49.8	....
40	η Serpentis	9	17 9.74	− 0.15	**−29.11**	41 45 50.72	45.867	+ 2.11	+ 50.8	18 16 40.57	.....	− 2 55 31.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 13 0	......	....	55.7
13 27	29.912	57.0	55.0
18 3 40	29.728	68.9	70.1
11 46	29.772	64.7	63.9
12 8	......	....	63.1
12 38	29.794	62.8	62.6
13 1	......	....	61.8
13 26	29.800	61.8	61.4
17 23	29.800	56.8	57.2
17 55	......	....	55.6
18 17	29.800	55.6	55.2
18 52	29.800	55.2	55.0
1 26	29.890	68.8	70.1
19 3 44	29.892	73.0	73.7
7 49	29.856	76.7	77.9
8 12	......	....	77.7
9 28	29.860	75.8	75.5
12 1	29.882	68.8	67.8
12 54	29.882	67.2	65.5
13 51	......	....	63.8
14 23	29.880	64.8	63.2
17 21	29.868	61.2	59.2
17 42	......	....	59.0
18 0	......	....	58.9

Micrometer bisections are made at II, VI, except as noted below.

1, 13, 20, 25, 32. Bisections at b_4, b_5, b_6.
2, 21. Bisections at I, II, III.
3, 22. Bisections at V, VI, VII.
7, 30. Bisections at II, III, IV, V, VI.
17, 40. Bisections at II, VI, VII.
23, 24. Bisections at II, III, V, VI.
26. Bisections at III, IV, V.
38. Bisections at I, II, VI, VII.

Notes.

1. Hazy.
8. Faint.
20. Very unsteady.
23, 24. Very poor.
27, 28. Thin clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 2.9	+15 49.8	...	+15 52.7
3	+ 2.8	−15 49.8	...	−15 47.0
7	+31 23.8	−14 51.6	...	+16 32.2
21	+ 2.9	+15 49.5	...	+15 52.4
22	+ 2.8	−15 49.5	...	−15 46.7
30	+35 20.8	−14 47.0	...	+20 33.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	3 H. Scuti	9	30 49.13	− 0.15	**−29.07**	47 7 50.00	48.270	+ 2.11	+1 1.4	18 30 19.95	.....	− 8 18 36.3	....
2	θ Serpentis	9	52 15.14	− 0.15	**−29.07**	34 45 49.98	45.072	+ 2.11	+ 39.5	18 51 45.95	.....	+ 4 4 58.7	....
3	ε Aquilæ	9	56 2.65	− 0.15	**−29.06**	23 53 48.70	46.960	+ 2.11	+ 25.3	18 55 33.46	.....	+14 56 31.0	....
4	ζ Aquilæ	9	1 46.77	− 0.15	**−29.05**	25 7 50.08	44.178	+ 2.11	+ 26.8	19 1 17.58	.....	+13 43 31.7	....
5	ω Aquilæ	9	14 5.89	− 0.15	**−29.10**	27 23 49.25	48.755	+ 2.11	+ 29.6	19 13 36.69	.....	+11 25 45.2	....
	May 21, L.												
6	Sun I, N	9	49 34.02	− 0.09	−29.90	18 27 48.62	48.253	+ 2.80	+ 18.4	3 49 4.03	+67.59	+20 22 7.7	....
7	Sun II, S	9	51 49.20	− 0.09	−29.90	18 59 47.38	47.367	+ 2.80	+ 19.0	3 51 19.21	−67.59	+19 50 28.6	....
8	ο Virginis	9	1 8.67	− 0.12	**−30.10**	29 35 50.70	48.192	+ 2.04	+ 31.3	12 0 38.45	.....	+ 9 13 55.0	....
9	ρ Virginis	9	37 51.16	− 0.13	**−30.11**	28 5 51.20	48.470	+ 2.04	+ 29.5	12 37 20.91	.....	+10 43 49.9	....
10	31 Comæ Berenices	9	47 50.63	− 0.17	**−30.15**	10 50	......	....	. ....	12 47 20.34	.....	+28 1	....
11	δ Virginis	9	51 35.56	− 0.12	**−30.14**	34 57 52.05	44.770	+ 2.04	+ 38.6	12 51 5.32	.....	+ 3 53 4.5	....
12	ε Virginis	9	58 13.28	− 0.13	**−30.12**	27 23 50.62	46.798	+ 2.04	+ 28.7	12 57 43.02	.....	+11 26 29.5	....
13	43 Comæ Berenices	9	8 12.19	− 0.17	**−30.08**	10 29 49.60	48.795	+ 2.04	+ 10.3	13 7 41.89	.....	+28 20 3.2	....
14	α Virginis	9	20 58.49	− 0.10	**−30.15**	49 31 51.75	45.610	+ 2.04	+1 4.8	13 20 28.25	.....	−10 41 40.7	....
15	α Ursæ Minoris s. p.	7	26 9.64	+13.39	−30.14	307 41 49.45	45.722	+ 2.04	−1 11.2	1 25 52.89	.....	+88 49 24.7	....
16	κ Virginis	9	8 37.20	− 0.10	**−30.13**	48 41 51.62	45.138	+ 2.04	+1 3.0	14 8 6.94	.....	− 9 51 27.8	....
17	ι Virginis	9	11 49.21	− 0.11	**−30.09**	44 23 51.30	48.125	+ 2.04	+ 54.3	14 11 18.94	.....	− 5 34 27.1	....
18	Moon I, N	9	22 20.22	− 0.10	−30.16	51 31 50.75	42.708	+ 2.04	+1 9.7	14 21 49.96	+62.24	−12 40 38.1	....
19	μ Virginis	9	38 50.69	− 0.11	**−30.15**	44 5 52.00	47.495	+ 2.04	+ 53.8	14 38 20.41	.....	− 5 16 12.9	....
20	α Libræ	9	46 25.63	− 0.10	**−30.21**	54 29 51.10	46.613	+ 2.04	+1 17.9	14 45 55.36	.....	−15 40 15.8	....
21	ξ² Libræ	9	52 24.79	− 0.10	**−30.25**	49 53 52.22	43.723	+ 2.04	+1 6.0	14 51 54.52	.....	−11 2 59.0	....
	May 23, P.												
22	1 H. Draconis	9	24 53.46	− 2.15	−31.14	317 7 48.60	46.735	+ 2.29	− 49.8	9 24 20.17	.....	+81 43 51.2	....
23	β Cephei s. p.	9	28 0.79	+ 1.01	−31.14	289 3 47.28	44.592	+ 2.29	−2 33.7	21 27 30.66	.....	+70 9 34.6	....
24	α Ursæ Minoris s. p.	9	26 12.44	+14.98	−31.24	307 41 48.00	45.720	+ 1.69	−1 10.5	1 25 56.18	.....	+88 49 23.5	....
	May 23, M.												
25	Moon I, N	9	58 13.86	− 0.16	−31.25	60 13 51.48	47.003	+ 1.68	+1 36.3	15 57 42.45	+65.67	−21 24 46.0	....
26	Moon II, S	9	0 25.19	− 0.16	−31.25	60 43 50.18	46.757	+ 1.68	+1 38.3	15 59 53.78	−65.66	−21 54 35.5	....
27	τ Scorpii	9	30 49.88	− 0.16	−31.26	66 49 48.10	48.998	+ 1.82	+2 8.6	16 30 18.46	.....	−28 1 57.9	....
28	24 Scorpii	9	36 55.08	− 0.16	−31.27	56 23 49.85	46.515	+ 1.82	+1 23.0	16 36 23.65	− 1.66	−17 34 17.3	+ 8.0
29	θ Ophiuchi	9	17 2.03	− 0.15	−31.28	63 43 49.02	46.505	+ 1.82	+1 51.9	17 16 30.60	.....	−24 54 45.1	....
30	σ Ophiuchi	9	22 35.87	− 0.16	**−31.22**	34 37 48.85	45.395	+ 1.82	+ 38.3	17 22 4.43	.....	+ 4 12 53.9	....
31	ξ Serpentis	9	32 59.01	− 0.14	**−31.33**	54 9 49.02	47.870	+ 1.82	+1 16.6	17 32 27.58	.....	−15 20 41.0	....
32	β Ophiuchi	9	39 34.54	− 0.16	**−31.26**	34 13 49.50	47.535	+ 1.82	+ 37.7	17 39 3.09	.....	+ 4 36 5.0	....
33	ν Ophiuchi	9	54 37.26	− 0.14	**−31.29**	48 35 49.88	46.495	+ 1.82	+1 2.6	17 54 5.82	.....	− 9 45 56.5	....
34	72 Ophiuchi	9	3 37.91	− 0.16	**−31.32**	29 17 49.88	45.858	+ 1.82	+ 31.0	18 3 6.45	.....	+ 9 32 49.6	....
35	η Serpentis	8	17 12.04	− 0.14	**−31.33**	41 45 49.35	45.995	+ 1.82	+ 49.4	18 16 40.59	.....	− 2 55 31.3	....
36	3 H. Scuti	9	30 51.44	− 0.13	**−31.31**	47 7 49.78	48.350	+ 1.82	+ 59.6	18 30 20.00	.....	− 8 18 35.8	....
37	θ Serpentis	9	52 17.49	− 0.14	**−31.33**	34 45 50.00	45.118	+ 1.82	+ 38.6	18 51 46.03	.....	+ 4 4 58.8	....
38	ε Aquilæ	9	56 5.01	− 0.16	**−31.31**	23 53 49.30	46.945	+ 1.82	+ 24.7	18 55 33.53	.....	+14 56 31.6	....
39	ζ Aquilæ	9	1 49.18	− 0.16	**−31.35**	25 7 49.18	44.230	+ 1.82	+ 26.1	19 1 17.70	.....	+13 43 32.4	....
40	Venus II, N	9	13 3.94	− 0.10	−31.43	33 17 50.80	47.956	+ 2.99	+ 35.9	1 12 32.41	− 0.61	+ 5 31 54.7	....
41	α Ursæ Minoris	8	26 44.20	−12.52	−31.48	310 1 52.10	48.473	+ 2.99	−1 4.6	1 26 0.20	.....	+88 49 21.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 18 20	29.858	60.5	58.4
18 33	......	....	58.1
18 51	......	....	58.0
19 16	29.846	59.8	57.5
21 3 52	29.730	72.8	73.8
12 2	29.750	73.1	73.0
12 38	......	....	72.0
12 54	......	....	71.9
13 2	29.762	72.0	71.9
13 26	......	....	71.2
14 12	29.750	70.5	70.0
14 24	......	....	69.4
14 41	......	....	68.7
14 53	29.748	69.7	67.8
23 9 20	29.595	80.9	82.0
9 29	......	....	81.6
13 26	29.641	75.0	74.2
16 1	29.639	71.0	70.0
16 31	......	....	69.6
17 17	29.622	69.5	68.3
17 40	......	....	68.4
18 4	29.600	68.8	69.6
19 2	29.624	67.4	66.2
1 13	29.640	75.6	76.3
1 27	......	....	75.9

Micrometer bisections are made at II, VI, except as noted below.

6, 25.	Bisections at I, II, III.
7, 26.	Bisections at V, VI, VII.
14.	Bisections at I, II.
15, 22–24, 41.	Bisections at b_4, b_5, b_6.
18.	Bisections at II, III, IV, V, VI.
20, 21.	Bisections at II, VI, VII.
40.	Bisections at I, II, VI, VII.

Notes.

19. Faint.
41. Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 2.7	−15 49.5	...	−15 46.8
7	+ 2.8	+15 49.5	...	+15 52.3
18	+42 9.2	−14 44.5	...	+27 24.7
25	+47 0.9	−14 47.7	0.0	+32 13.2
26	+47 15.0	+14 47.7	...	+62 2.7
40	+ 5.2	− 9.1	...	− 3.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	May 24, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	7	1 37.85	− 0.18	−31.50	18 23 49.18	48.857	+ 2.14	+ 18.0	4 1 6.17	+67.83	+20 25 54.4	....
2	Sun II, N.	9	3 53.52	− 0.18	−31.50	17 51 49.82	49.928	+ 2.14	+ 17.4	4 3 21.84	−67.84	+20 57 29.9	....
	May 25, M.												
3	α Ursæ Minoris	9	26 41.78	− 8.35	−32.57	310 1 51.60	48.612	+ 2.69	−1 6.3	1 26 0.86	.....	+88 49 21.3	....
	May 26, M.												
4	Sun I, N.	9	9 43.02	− 0.08	−32.68	17 31 49.55	45.102	+ 2.52	+ 17.6	4 9 10.26	+67.96	+21 19 19.9	....
5	Sun II, S.	9	11 58.93	− 0.08	−32.68	18 3 48.52	44.117	+ 2.52	+ 18.2	4 11 26.17	−67.95	+20 47 42.8	....
	May 26, P.												
6	σ Ophiuchi	9	22 37.66	− 0.10	**−33.01**	34 37 47.92	45.318	+ 2.05	+ 39.7	17 22 4.55	.....	+ 4 12 55.0	....
7	β Ophiuchi	9	39 36.28	− 0.10	**−33.01**	34 13 47.82	47.445	+ 2.14	+ 39.2	17 39 3.17	.....	+ 4 36 6.9	....
8	ν Ophiuchi	9	54 39.01	− 0.10	**−33.02**	48 35 47.02	46.465	+ 2.22	+1 5.3	17 54 5.89	.....	− 9 45 55.8	....
9	γ Sagittarii	9	0 36.55	− 0.11	−33.02	69 13 48.68	47.045	+ 2.27	+2 31.0	18 0 3.42	.....	−30 25 36.7	....
10	72 Ophiuchi	9	3 39.63	− 0.10	**−33.04**	29 17 48.48	45.728	+ 2.28	+ 32.3	18 3 6.51	.....	+ 9 32 52.2	....
11	δ Sagittarii	9	15 48.97	− 0.11	−33.03	68 41 48.32	43.172	+ 2.35	+2 26.8	18 15 15.83	.....	−29 52 3.7	....
12	η Serpentis	9	17 13.82	− 0.09	**−33.09**	41 45 46.75	45.935	+ 2.36	+ 51.5	18 16 40.70	.....	− 2 55 30.0	....
13	λ Sagittarii	9	22 59.91	− 0.10	−33.03	64 17 47.85	45.290	+ 2.39	+1 59.3	18 22 26.78	.....	−25 28 24.1	....
14	3 H. Scuti	9	30 53.19	− 0.09	**−33.03**	47 7 47.60	48.265	+ 2.44	+1 2.1	18 30 20.07	.....	− 8 18 34.8	....
15	Moon N.	.	.. ..	....	.....	65 59 46.22	46.500	+ 2.34	+2 9.0	.. ..	.....	−27 10 59.9	....
16	Moon II, S.	9	44 31.49	− 0.10	−33.04	66 29 50.35	47.202	+ 2.34	+2 12.1	18 43 58.35	−70.26	−27 41 23.0	....
17	σ Sagittarii	9	50 15.91	− 0.10	−33.04	65 13 48.38	45.535	+ 2.55	+2 4.6	18 49 42.77	.....	−26 24 35.7	....
18	θ Serpentis	9	52 19.23	− 0.09	**−33.04**	34 45 49.82	44.972	+ 2.56	+ 40.1	18 51 46.10	.....	+ 4 5 0.1	....
19	ψ Sagittarii	9	10 36.13	− 0.09	−33.05	64 13 45.72	46.380	+ 2.67	+1 59.3	19 10 2.99	.....	−25 24 47.2	....
20	ω Aquilæ	9	14 9.94	− 0.10	**−33.02**	27 23 50.50	48.565	+ 2.68	+ 30.0	19 13 36.79	.....	+11 25 47.3	....
21	μ Aquilæ	9	30 15.94	− 0.09	**−33.01**	31 39 44.60	45.185	+ 2.78	+ 35.7	19 29 42.79	.....	+ 7 11 4.6	....
22	β Sagittæ	9	37 34.76	− 0.10	**−33.07**	21 35 47.88	43.650	+ 2.81	+ 22.9	19 37 1.60	.....	+17 15 49.2	....
23	δ Sagittæ	9	43 56.83	− 0.10	**−33.07**	20 31 49.65	47.112	+ 2.86	+ 21.7	19 43 23.67	.....	+18 18 29.5	....
24	α Ursæ Minoris	7	26 40.10	− 7.21	−33.20	310 1 50.55	48.693	+ 3.08	−1 7.7	1 25 59.69	.....	+88 49 21.0	....
25	Venus II, N.	9	25 35.63	− 0.01	−33.26	32 7 51.48	48.306	+ 3.08	+ 36.0	1 25 2.36	− 0.60	+ 6 41 45.8	....
	May 27, P.												
26	Sun I, S.	9	13 46.52	− 0.04	−33.33	17 51 50.58	48.233	+ 2.50	+ 18.3	4 13 13.15	+68.05	+20 58 6.6	....
27	Sun II, N.	9	16 2.62	− 0.04	−33.33	17 19 48.85	49.373	+ 2.50	+ 17.8	4 15 29.25	−68.05	+21 29 42.8	....
	May 27, L.												
28	σ Ophiuchi	9	22 38.28	− 0.01	**−33.71**	34 37 52.55	45.065	+ 2.46	+ 40.0	17 22 4.51	.....	+ 4 12 55.5	....
29	β Ophiuchi	9	39 36.94	− 0.01	**−33.74**	34 13 52.25	47.230	+ 2.46	+ 39.5	17 39 3.17	.....	+ 4 36 6.8	....
30	ν Ophiuchi	9	54 39.70	− 0.02	**−33.77**	48 35 53.30	46.120	+ 2.46	+1 5.8	17 54 5.91	.....	− 9 45 55.2	....
31	η Serpentis	9	17 14.47	− 0.01	**−33.80**	41 45 51.68	45.652	+ 2.46	+ 51.9	18 16 40.68	.....	− 2 55 29.0	....
32	3 H. Scuti	9	30 53.90	− 0.02	**−33.79**	47 7 53.45	47.940	+ 2.46	+1 2.6	18 30 20.09	.....	− 8 18 33.7	....
33	θ Serpentis	9	52 19.92	− 0.01	**−33.79**	34 45 52.65	44.800	+ 2.46	+ 40.4	18 51 46.12	.....	+ 4 5 1.0	....
34	π Sagittarii	9	5 0.14	− 0.02	−33.80	59 59 52.62	45.048	+ 2.46	+1 40.5	19 4 26.32	.....	−21 10 4.6	....
35	ψ Sagittarii	9	10 36.87	− 0.03	−33.80	64 13 53.60	45.938	+ 2.46	+2 0.1	19 10 3.04	.....	−25 24 45.7	....
36	d Sagittarii	9	12 57.54	− 0.02	**−33.85**	57 55 51.65	47.532	+ 2.46	+1 32.7	19 12 23.72	.....	−19 6 52.6	....
37	h Sagittarii	9	31 49.29	− 0.03	−33.81	63 53 52.58	46.628	+ 2.46	+1 58.6	19 31 15.45	.....	−25 4 58.8	....
38	Moon II, N.	9	42 17.78	− 0.03	−33.81	65 13 52.45	42.273	+ 2.46	+2 5.6	19 41 43.94	−70.43	−26 23 26.2	....
39	c Sagittarii	9	57 42.91	− 0.03	−33.82	66 45 51.70	47.638	+ 2.46	+2 15.1	19 57 9.06	.....	−27 57 37.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 4 4	29.610	81.0	83.0
25 1 27	29.784	65.7	64.8
26 4 12	29.794	70.0	69.3
17 21	29.924	56.2	55.0
17 42	......	....	54.6
17 57	......	....	54.2
18 26	29.928	55.2	53.2
18 45	29.930	54.8	53.2
19 3	......	....	52.6
19 33	......	....	51.5
19 46	29.926	53.0	51.7
1 24	30.014	61.3	59.0
27 4 16	30.020	63.7	62.9
17 23	30.038	54.0	52.7
17 40	......	....	52.4
17 55	......	....	52.3
18 18	30.032	53.9	51.7
18 31	......	....	51.2
18 53	......	....	51.1
19 14	30.024	52.3	50.7
19 33	......	....	50.0
19 43	......	....	50.1
19 58	30.030	52.1	50.1

Micrometer bisections are made at II, VI, except as noted below.

1, 4, 15, 26.	Bisections at I, II, III.
2, 5, 16, 27.	Bisections at V, VI, VII.
3.	Bisections at b_4, b_5, b_6.
8.	Bisections at VI, VII.
12, 23.	Bisections at II, VI, VII.
24.	Bisections at b_2, b_3, b_4.
25, 34, 36, 37, 39.	Bisections at I, II, VI, VII.
35.	Bisections at I, II.
38.	Bisections at II, III, IV, V, VI.

Notes.

8. Clouds.
39. Diffuse; unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.7	+15 47.7	...	+15 50.4
2	+ 2.6	−15 47.7	...	−15 45.1
4	+ 2.6	−15 48.5	...	−15 45.9
5	+ 2.7	+15 48.5	...	+15 51.2
15	+50 26.6	−15 5.5	0.0	+35 21.1
16	+50 38.7	+15 5.5	...	+65 44.2
25	+ 4.9	− 9.0	...	− 4.1
26	+ 2.6	+15 48.1	...	+15 50.7
27	+ 2.6	−15 48.1	...	−15 45.5
38	+50 35.3	−15 14.5	...	+35 20.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	1 H. Draconis s. p.	9	24 52.44	+ 1.20	−33.86	300 35 49.88	48.058	+ 2.30	−1 37.7	9 24 19.78	.....	+81 43 52.2	....
2	α Ursæ Minoris	7	26 42.19	− 8.84	−33.95	310 1 50.42	48.735	+ 3.10	−1 7.1	1 25 59.40	.....	+88 49 19.9	....
3	Venus II, N	9	29 47.63	− 0.06	−33.95	31 45 52.75	44.971	+ 3.10	+ 35.2	1 29 13.62	− 0.69	+ 7 5 1.5	....
	May 28, L.												
4	Sun I, S	9	17 50.46	− 0.06	−34.00	17 41 50.80	48.248	+ 2.57	+ 17.9	4 17 16.40	+68.11	+21 8 6.4	....
5	Sun II, N	9	20 6.68	− 0.06	−34.00	17 9 50.20	49.295	+ 2.57	+ 17.4	4 19 32.62	−68.11	+21 39 43.6	....
6	ρ Virginis	9	37 55.14	− 0.15	**−34.12**	28 5 52.85	48.320	+ 1.99	+ 30.1	12 37 20.81	.....	+10 43 51.1	....
7	ε Virginis	9	58 17.29	− 0.15	**−34.15**	27 23 52.68	46.652	+ 1.99	+ 29.2	12 57 42.96	.....	+11 26 30.3	....
8	43 Comæ Berenices	9	8 16.21	− 0.18	**−34.14**	10 29 51.98	48.635	+ 1.99	+ 10.5	13 7 41.84	.....	+28 20 4.3	....
9	α Ursæ Minoris s. p.	7	26 22.63	+12.16	−34.20	307 41 49.72	45.710	+ 1.99	−1 12.5	1 26 0.59	.....	+88 49 23.3	....
10	ζ Virginis	9	30 41.96	− 0.14	**−34.20**	38 57 53.02	48.010	+ 1.99	+ 45.6	13 30 7.62	.....	− 0 8 17.4	....
11	η Boötis	9	50 59.82	− 0.16	**−34.20**	19 59 54.95	45.980	+ 1.99	+ 20.6	13 50 25.45	.....	+18 50 52.0	....
12	d Boötis	9	6 53.61	− 0.18	**−34.11**	13 19 51.95	45.988	+ 1.99	+ 13.4	14 6 19.22	.....	+25 31 1.9	....
13	α Boötis	9	12 9.26	− 0.16	**−34.20**	19 11 53.15	45.855	+ 1.99	+ 19.7	14 11 34.88	.....	+19 38 57.5	....
	May 28, P.												
14	d Sagittarii	9	12 58.17	− 0.12	**−34.35**	57 55 50.18	47.725	+ 2.10	+1 30.9	19 12 23.77	.....	−19 6 53.4	....
15	κ Aquilæ	9	32 38.78	− 0.12	**−34.28**	46 3 50.38	46.192	+ 2.10	+ 59.2	19 32 4.37	.....	− 7 13 46.9	....
16	α^2 Capricorni	9	13 39.39	− 0.12	**−34.33**	51 39 47.98	45.042	+ 2.10	+1 12.0	20 13 4.96	.....	−12 49 31.1	....
17	β Capricorni	9	16 33.05	− 0.12	**−34.33**	53 53 48.05	46.052	+ 2.10	+1 18.1	20 15 58.62	.....	−15 4 0.3	....
18	π Capricorni	9	22 45.95	− 0.12	**−34.36**	57 19 47.90	46.785	+ 2.10	+1 28.8	20 22 11.52	.....	−18 30 27.6	....
19	ρ Capricorni	9	24 19.43	− 0.12	**−34.40**	56 55 50.45	47.445	+ 2.10	+1 27.5	20 23 45.00	.....	−18 6 43.9	....
20	Moon II, N	9	39 36.64	− 0.13	−34.32	62 57 50.58	46.519	+ 2.10	+1 51.5	20 39 2.19	−69.87	−24 8 46.9	....
	May 30, P.												
21	η Serpentis	9	17 16.33	− 0.10	**−35.51**	41 45 48.35	45.890	+ 1.82	+ 50.5	18 16 40.78	.....	− 2 55 29.0	....
22	3 H. Scuti	7	30 55.76	− 0.10	**−35.50**	47 7 49.28	48.252	+ 1.85	+1 1.0	18 30 20.20	.....	− 8 18 34.5	....
23	d Sagittarii	8	12 59.42	− 0.11	**−35.56**	57 55 46.98	47.827	+ 2.02	+1 30.4	19 12 23.84	.....	−19 6 51.9	....
24	ω Aquilæ	9	14 12.44	− 0.11	**−35.41**	27 23 46.62	48.750	+ 2.03	+ 29.5	19 13 36.85	.....	+11 25 48.2	....
25	μ Aquilæ	9	30 18.46	− 0.11	**−35.41**	31 39 48.90	44.940	+ 2.09	+ 35.0	19 29 42.87	.....	+ 7 11 7.3	....
26	δ Sagittæ	9	43 59.33	− 0.12	**−35.44**	20 31 47.48	47.210	+ 2.14	+ 21.3	19 43 23.72	.....	+18 18 30.3	....
27	α Aquilæ	9	47 0.46	− 0.11	**−35.51**	30 13 48.42	43.608	+ 2.16	+ 33.1	19 46 24.86	.....	+ 8 37 40.1	....
28	γ Sagittæ	9	55 22.08	− 0.12	**−35.47**	19 35 47.95	46.883	+ 2.19	+ 20.3	19 54 46.47	.....	+19 14 38.5	....
	May 31, P.												
29	Sun I, N	9	30 4.96	− 0.08	−35.71	16 43 49.72	44.715	+ 1.90	+ 16.8	4 29 29.17	+68.33	+22 7 29.9	....
30	Sun II, S	9	32 21.63	− 0.08	−35.71	17 15 47.20	43.677	+ 1.90	+ 17.4	4 31 45.84	−68.34	+21 35 55.7	....
	May 31, L.												
31	Moon II, N	9	22 51.33	− 0.03	−36.24	48 56 0.20	43.714	+ 2.18	+1 5.4	23 22 15.06	−67.25	−10 5 6.4	....
	June 1, M.												
32	α Ursæ Minoris	9	26 49.00	− 8.66	.....	310 1 54.12	48.528	+ 2.23	−1 6.2	1 26	.....	+88 49 21.0	....
33	Venus II, N	9	51 1.09	− 0.07	−36.79	29 49 53.95	45.890	+ 2.23	+ 32.0	1 50 24.23	− 0.58	+ 9 0 43.4	....
	June 2, M.												
34	Sun I, S	9	38 16.80	− 0.06	−36.86	16 57 49.90	47.123	+ 2.09	+ 16.9	4 37 39.88	+68.32	+21 52 34.4	....
35	Sun II, N	9	40 33.44	− 0.06	−36.86	16 25 48.10	48.430	+ 2.09	+ 16.3	4 39 56.52	−68.32	+22 24 7.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 21 26	30.032	52.2	50.1
1 26	30.084	63.2	64.0
28 4 20	30.082	68.9	70.2
12 38	29.994	67.1	66.2
12 58	......	....	66.0
13 7	......	....	65.9
13 27	30.000	66.0	65.9
13 49	......	....	65.0
14 13	29.994	65.0	65.4
19 10	29.950	60.1	59.2
19 35	......	....	59.0
20 11	29.934	60.0	58.8
20 33	......	....	58.9
20 40	29.924	59.0	58.5
30 18 14	29.358	57.1	53.9
18 33	......	....	53.0
19 11	......	....	52.0
19 39	29.344	54.1	51.9
20 0	29.343	54.0	51.7
31 4 32	29.340	61.9	58.9
23 23	29.328	51.0	49.1
1 1 27	29.470	61.0	60.7
1 51	29.476	62.3	61.8
2 4 41	29.482	67.2	68.4

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at III, IV, V.
2.	Bisections at b_3, b_4, b_5.
3, 22, 33.	Bisections at I, II, VI, VII.
4, 29, 34.	Bisections at I, II, III.
5, 30.	Bisections at V, VI, VII.
9, 32.	Bisections at b_4, b_5, b_6.
20, 31.	Bisections at II, III, IV, V, VI.
23.	Bisections at I, VI, VII.
24.	Bisections at VI, VII.
26.	Bisections at I, II.
27, 28.	Bisections at II, VI, VII.
35.	Bisections at V, VII.

Notes.

22, 23. Clouds.

32- Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 4.8	− 8.9	...	− 4.1
4	+ 2.6	+15 48.6	...	+15 51.2
5	+ 2.5	−15 48.5	...	−15 46.0
20	+50 9.4	−15 24.2	...	+34 45.2
29	+ 2.5	−15 47.1	...	−15 44.6
30	+ 2.5	+15 47.1	...	+15 49.6
31	+44 2.2	−15 59.5	...	+28 2.7
33	+ 4.4	− 8.5	...	− 4.1
34	+ 2.5	+15 46.3	...	+15 48.8
35	+ 2.4	−15 46.3	...	−15 43.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	June 3, L.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	σ Ophiuchi	9	22 42.57	− 0.06	**−37.84**	34 37 56.08	44.950	+ 1.52	+ 39.6	17 22 4.62	.....	+ 4 12 55.9	....
2	β Ophiuchi	9	39 41.23	− 0.06	**−37.87**	34 13 55.48	47.128	+ 1.52	+ 39.1	17 39 3.27	.....	+ 4 36 7.2	....
3	ν Ophiuchi	9	54 44.06	− 0.07	**−37.94**	48 35 57.00	46.015	+ 1.52	+1 5.2	17 54 6.09	.....	− 9 45 54.9	....
4	η Serpentis	9	17 18.83	− 0.06	**−37.97**	41 45 55.45	45.552	+ 1.52	+ 51.4	18 16 40.86	.....	− 2 55 29.0	....
5	3 H. Scuti	9	30 58.24	− 0.07	**−37.92**	47 7 56.68	47.875	+ 1.52	+1 2.0	18 30 20.25	.....	− 8 18 33.9	....
6	θ Serpentis	9	52 24.26	− 0.06	**−37.92**	34 45 56.30	44.695	+ 1.52	+ 40.0	18 51 46.27	.....	+ 4 5 1.1	....
7	1 H. Draconis S. P.	9	24 55.73	+ 1.35	−37.99	300 35 54.00	47.872	+ 1.44	−1 37.3	9 24 19.09	.....	+81 43 51.6	....
8	α Ursæ Minoris	6	26 51.50	− 5.78	−38.09	310 1 55.75	48.607	+ 2.09	−1 7.8	1 26 7.63	.....	+88 49 19.3	....
9	Venus II, C	9	59 37.04	+ 0.01	−38.13	29 5 57.75	45.618	+ 2.09	+ 31.8	1 58 58.92	− 0.57	+ 9 46 21.4	....
10	Moon II	9	3 54.41	+ 0.01	−38.13	29 24	......	....	.....	2 3 16.29	−69.72	.. ..	....
	June 4, L.												
11	Sun I, N	9	46 30.35	− 0.02	−38.20	16 11 53.30	45.193	+ 1.81	+ 16.5	4 45 52.13	+68.60	+22 39 15.8	....
12	Sun II, S	9	48 47.55	− 0.02	−38.20	16 43 49.62	44.327	+ 1.81	+ 17.1	4 48 9.33	−68.60	+22 7 38.8	....
	June 5, M.												
13	Venus II, N	9	8 16.31	− 0.08	−39.23	28 17 57.90	48.252	+ 2.40	+ 29.9	2 7 37.00	− 0.56	+10 31 47.4	....
	June 6, M.												
14	Sun I, N	9	54 45.55	− 0.14	−39.30	15 57 43.32	46.928	+ 2.03	+ 15.8	4 54 6.11	+68.59	+22 52 46.6	....
15	Sun II, S	9	57 2.73	− 0.14	−39.30	16 29 44.30	45.715	+ 2.03	+ 16.3	4 56 23.29	−68.59	+22 21 13.0	....
16	43 Comæ Berenices	9	8 21.51	− 0.22	**−39.48**	10 29 45.18	48.958	+ 1.49	+ 10.3	13 7 41.76	.....	+28 20 4.5	....
17	α Ursæ Minoris S. P.	9	26 35.17	+12.96	−39.53	307 41 46.50	45.713	+ 1.49	−1 11.2	1 26 8.60	.....	+88 49 21.0	....
18	τ Boötis	9	43 40.22	− 0.19	−39.54	20 55 46.12	47.992	+ 1.49	+ 21.2	13 43 0.49	.....	+17 54 14.7	....
19	η Boötis	9	51 5.10	− 0.19	**−39.50**	19 59 46.22	46.440	+ 1.49	+ 20.2	13 50 25.36	.....	+18 50 51.1	....
20	d Boötis	9	6 59.03	− 0.21	**−39.54**	13 19 45.98	46.260	+ 1.49	+ 13.2	14 6 19.27	.....	+25 31 2.4	....
21	α Boötis	9	12 14.64	− 0.20	**−39.57**	19 11 45.95	46.188	+ 1.49	+ 19.3	14 11 34.89	.....	+19 38 58.0	....
22	f Boötis	9	22 57.51	− 0.20	**−39.58**	19 11 46.02	49.220	+ 1.49	+ 19.4	14 22 17.75	.....	+19 37 48.5	....
	June 6, P.												
23	σ Ophiuchi	9	22 44.53	− 0.15	**−39.68**	34 37 43.38	45.528	+ 1.40	+ 38.4	17 22 4.70	.....	+ 4 12 56.7	....
24	β Ophiuchi	9	39 43.18	− 0.15	**−39.68**	34 13 44.70	47.615	+ 1.40	+ 37.9	17 39 3.34	.....	+ 4 36 8.2	....
25	ν Ophiuchi	9	54 45.97	− 0.14	**−39.73**	48 35 43.88	46.680	+ 1.40	+1 3.2	17 54 6.14	.....	− 9 45 54.9	....
26	η Serpentis	9	17 20.74	− 0.14	**−39.74**	41 45 44.28	46.095	+ 1.40	+ 49.8	18 16 40.90	.....	− 2 55 28.5	....
27	α Ursæ Minoris	6	27 1.92	−10.70	−39.88	310 1 45.38	48.985	+ 2.33	−1 6.3	1 26 11.34	.....	+88 49 19.3	....
28	Venus II, N	9	12 37.79	− 0.12	−39.90	27 55 44.70	47.592	+ 2.33	+ 29.7	2 11 57.77	− 0.56	+10 54 15.9	....
	June 7, P.												
29	Sun I, S	9	58 53.78	− 0.13	−39.97	16 23 43.95	45.242	+ 1.95	+ 16.5	4 58 13.68	+68.64	+22 27 23.9	....
30	Sun II, N	9	1 11.07	− 0.13	−39.97	15 51 44.28	46.487	+ 1.95	+ 16.0	5 0 30.97	−68.65	+22 58 55.7	....
31	α Ursæ Minoris S. P.	9	26 38.00	+10.30	−40.18	307 41 45.65	45.863	+ 1.13	−1 13.0	1 26 8.12	.....	+88 49 21.4	....
32	η Boötis	9	51 5.64	− 0.14	**−40.10**	19 59 44.20	46.412	+ 1.22	+ 20.7	13 50 25.31	.....	+18 50 53.5	....
33	d Boötis	9	6 59.54	− 0.15	**−40.12**	13 19 44.52	46.230	+ 1.28	+ 13.5	14 6 19.20	.....	+25 31 4.5	....
34	α Boötis	9	12 15.18	− 0.14	**−40.17**	19 11 44.12	46.190	+ 1.31	+ 19.9	14 11 34.84	.....	+19 38 59.4	....
35	f Boötis	9	22 58.05	− 0.14	**−40.18**	19 11 45.95	49.152	+ 1.35	+ 19.9	14 22 17.71	.....	+19 37 49.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
3 17 23	29.824	55.0	54.0
17 40	......	....	53.6
17 55	......	....	53.3
18 18	29.842	54.0	53.0
18 32	......	....	52.7
18 53	29.850	54.0	53.0
21 26	29.900	52.0	49.8
1 27	29.966	58.3	57.1
2 4	29.980	59.6	58.3
4 4 49	29.966	64.2	63.1
5 2 8	29.666	68.2	68.4
6 4 57	29.670	72.2	72.8
13 8	29.646	70.8	69.8
13 27	......	....	69.3
13 51	......	....	68.8
14 23	29.652	69.4	68.2
17 21	29.660	67.0	66.5
17 42	......	....	66.0
18 0	......	....	66.0
18 20	29.680	66.5	65.4
1 27	29.740	64.9	64.3
2 13	29.746	67.2	66.0
7 5 1	29.780	67.7	65.7
13 25	29.840	61.5	60.1
13 50	......	....	59.7
14 15	29.850	60.0	58.4

Micrometer bisections are made at II, VI, except as noted below.

7. Bisections at III, IV, V.
8, 17, 27, 31. Bisections at b_4, b_5, b_6.
9. Z. D. threads C used.
9, 13, 28. Bisections at I, II, VI, VII.
11, 14, 29. Bisections at I, II, III.
12, 30. Bisections at V, VI, VII.
15. Bisections at V, VII.
26, 34. Bisections at II, VI, VII.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 4.2	.. ....	−0.3	+ 3.9
11	+ 2.4	−15 48.5	...	−15 46.1
12	+ 2.4	+15 48.5	...	+15 50.9
13	+ 4.0	− 8.3	...	− 4.3
14	+ 2.4	−15 46.8	...	−15 44.4
15	+ 2.4	+15 46.8	...	+15 49.2
28	+ 4.0	− 8.2	...	− 4.2
29	+ 2.4	+15 45.9	...	+15 48.3
30	+ 2.3	−15 45.8	...	−15 43.5

Notes.

6. Clouds; brightness varying.
16–18, 23–27. Clouds.
17. Brightness varying.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Boötis	9	41 45.46	− 0.15	−40.19	11 23 44.82	46.015	+ 1.43	+ 11.5	14 41 5.10	.....	+27 27 10.9	....
2	ψ Boötis	9	1 17.47	− 0.15	−40.22	11 31 43.88	49.518	+ 1.50	+ 11.7	15 0 37.10	.....	+27 17 51.6	....
	June 7, L.												
3	σ Ophiuchi	9	22 45.16	− 0.09	−40.35	34 37 47.65	45.258	+ 1.55	+ 39.6	17 22 4.74	.....	+ 4 12 57.2	....
4	β Ophiuchi	[illegible]	39 43.83	− 0.09	−40.38	34 13 47.25	47.435	+ 1.55	+ 39.0	17 39 3.40	.....	+ 4 36 8.5	....
5	ν Ophiuchi	[illegible]	54 46.64	− 0.09	−40.43	48 35 49.15	46.345	+ 1.55	+1 5.0	17 54 6.20	.....	− 9 45 54.5	....
6	η Serpentis	9	17 21.36	− 0.09	−40.39	41 45 46.45	45.915	+ 1.55	+ 51.2	18 16 40.91	.....	− 2 55 28.2	....
3	3 H. Scuti	9	31 0.81	− 0.10	−40.38	47 7 48.70	48.175	+ 1.55	+1 1.8	18 30 20.35	.....	− 8 18 32.6	....
8	θ Serpentis	9	52 26.87	− 0.10	−40.41	34 45 48.50	44.968	+ 1.55	+ 39.8	18 51 46.40	.....	+ 4 5 2.8	....
9	1 H. Draconis s. p.	9	24 57.88	+ 1.48	−40.44	300 35 46.18	48.159	+ 1.74	−1 36.9	9 24 18.92	.....	+81 43 51.1	....
10	α Ursæ Minoris	9	26 59.22	− 8.80	−40.54	310 1 48.05	48.948	+ 2.42	−1 7.2	1 26 9.88	.....	+88 49 18.3	....
	June 8, L.												
11	Sun I, S	9	3 1.99	− 0.17	−40.62	16 17 49.85	45.585	+ 2.77	+ 16.4	5 2 21.20	+68.74	+22 33 9.4	....
12	Sun II, N	9	5 19.48	− 0.17	−40.62	15 45 47.25	46.777	+ 2.77	+ 15.8	5 4 38.69	−68.75	+23 4 45.5	....
13	α Ursæ Minoris s. p.	9	26 39.44	+11.19	−40.83	307 41 53.28	45.505	+ 1.46	−1 12.5	1 26 9.80	.....	+88 49 21.7	....
14	η Boötis	9	51 6.43	− 0.19	−40.84	19 59 52.40	46.070	+ 1.46	+ 20.6	13 50 25.40	.....	+18 50 53.0	....
15	d Boötis	9	7 0.23	− 0.20	−40.76	13 19 53.95	45.840	+ 1.46	+ 13.4	14 6 19.19	.....	+25 31 3.9	....
16	α Boötis	9	12 15.87	− 0.19	−40.81	19 11 53.70	45.780	+ 1.46	+ 19.7	14 11 34.84	.....	+19 38 59.2	....
17	f Boötis	9	22 58.77	− 0.19	−40.86	19 13 53.58	43.575	+ 1.46	+ 19.7	14 22 17.73	.....	+19 37 49.7	....
18	ε Boötis	9	41 46.13	− 0.20	−40.82	11 23 53.12	45.668	+ 1.46	+ 11.5	14 41 5.07	.....	+27 27 10.5	....
19	ψ Boötis	9	1 18.14	− 0.20	−40.84	11 33 53.30	43.860	+ 1.46	+ 11.6	15 0 37.07	.....	+27 17 51.6	....
	June 8, M.												
20	σ Ophiuchi	9	22 45.71	− 0.15	−40.83	34 37 52.68	45.088	+ 1.36	+ 39.4	17 22 4.74	.....	+ 4 12 56.7	....
21	β Ophiuchi	9	39 44.36	− 0.15	−40.83	34 13 54.18	47.205	+ 1.36	+ 38.9	17 39 3.38	.....	+ 4 36 7.1	....
22	ν Ophiuchi	9	54 47.19	− 0.16	−40.90	48 35 53.70	46.172	+ 1.36	+1 4.8	17 54 6.20	.....	− 9 45 54.7	....
23	η Serpentis	9	17 21.96	− 0.15	−40.92	41 45 51.98	45.752	+ 1.36	+ 51.1	18 16 40.97	.....	− 2 55 29.7	....
24	3 H. Scuti	9	31 1.37	− 0.16	−40.86	47 7 52.12	48.112	+ 1.36	+1 1.7	18 30 20.36	.....	− 8 18 34.3	....
25	θ Serpentis	9	52 27.37	− 0.15	−40.84	34 45 51.18	44.928	+ 1.36	+ 39.8	18 51 46.36	.....	+ 4 5 1.3	....
26	1 H. Draconis s. p.	9	24 58.24	+ 1.48	−40.92	300 35 54.75	47.690	+ 1.36	−1 36.5	9 24 18.80	.....	+81 43 49.1	....
27	β Cephei	9	28 12.93	− 0.54	−40.92	328 41 51.28	46.637	+ 1.36	− 34.8	21 27 31.47	.....	+70 9 36.6	....
	June 11, L.												
28	α Ursæ Minoris s. p.	6	26 44.82	+11.94	−42.67	307 41 53.82	45.435	+ 1.82	−1 12.0	1 26 14.09	.....	+88 49 21.5	....
29	ζ Virginis	9	30 50.41	− 0.14	−42.72	38 57 54.80	47.933	+ 1.82	+ 45.3	13 30	.....	− 0 8 16.9	....
30	η Boötis	9	51 8.19	− 0.17	−42.64	19 59 54.80	45.978	+ 1.82	+ 20.4	13 50	.....	+18 50 52.5	....
	June 13, M.												
31	σ Ophiuchi	9	22 48.87	− 0.13	−43.96	34 37 53.42	45.015	+ 2.35	+ 39.2	17 22 4.77	.....	+ 4 12 56.6	....
32	β Ophiuchi	9	39 47.56	− 0.13	−43.99	34 13 53.52	47.175	+ 2.35	+ 38.7	17 39 3.45	.....	+ 4 36 7.7	....
33	ν Ophiuchi	9	54 50.28	− 0.12	−43.95	48 35 54.00	46.150	+ 2.35	+1 4.3	17 54 6.18	.....	− 9 45 55.0	....
34	η Serpentis	9	17 25.12	− 0.12	−44.03	41 45 52.08	45.705	+ 2.35	+ 50.7	18 16 41.01	.....	− 2 55 29.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 14 40	....	....	58.0
15 3	29.845	59.0	57.8
17 23	29.842	55.9	54.6
17 40	....	....	55.0
17 55	....	....	54.9
18 18	29.850	55.8	54.7
18 31	....	....	54.4
18 53	29.850	55.8	54.7
21 25	29.874	53.3	51.8
1 27	29.968	62.6	61.7
8 5 5	29.952	69.8	70.2
13 27	29.928	66.1	64.9
13 52	....	....	64.2
14 14	....	....	63.8
14 25	29.934	64.9	63.3
14 40	....	....	63.1
15 2	29.936	64.2	62.3
17 23	29.920	59.8	58.3
17 55	....	....	57.3
18 17	29.900	58.5	56.8
18 52	29.896	58.2	56.2
21 25	[illegible]	55.7	54.1
11 13 27	[illegible]	67.1	66.3
13 51	29.790	66.2	65.9
13 17 23	29.966	62.8	61.6
17 55	....	....	61.7
18 17	29.950	62.7	61.5

Micrometer bisections are made at II, VI, except as noted below.

9. Bisections at b_1, b_3, b_5, b_7, b_9.
10, 13, 26, 28. Bisections at b_4, b_5, b_6.
11. Bisections at I, II, III.
12. Bisections at V, VI, VII.
20. Bisections at VI, VII.
27. Bisections at III, IV, V.
29. Bisections at II, VI, VII.

Notes.

13. Very faint; through clouds.
14, 29, 30, 32, 33. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 2.4	+15 48.0	...	+15 50.4
12	+ 2.3	−15 48.0	...	−15 45.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	June 14, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	27 57.13	− 0.18	−44.26	15 51 48.45	45.142	+ 2.90	+ 15.8	5 27 12.69	+68.86	+22 59 21.4	....
2	Sun II, N.	9	30 14.84	− 0.18	−44.26	15 19 53.95	46.195	+ 2.90	+ 15.3	5 29 30.40	−68.85	+23 30 52.5	....
3	α Ursæ Minoris s. p.	9	26 47.00	+14.39	−44.45	307 41 53.65	45.372	+ 1.99	−1 11.8	1 26 16.94	.....	+88 49 20.2	....
4	*d* Boötis	9	7 3.86	− 0.20	**−44.44**	13 19 51.08	45.965	+ 1.99	+ 13.3	14 6 19.19	.....	+25 31 3.4	....
5	α Boötis	9	12 19.51	− 0.18	**−44.50**	19 11 52.25	45.860	+ 1.99	+ 19.5	14 11 34.86	.....	+19 38 58.5	....
6	*f* Boötis	5	23 2.37	− 0.18	**−44.50**	19 13 51.35	43.672	+ 1.99	+ 19.5	14 22 17.71	.....	+19 37 49.4	....
7	ρ Boötis	9	28 43.44	− 0.22	−44.48	8 3 52.55	49.030	+ 1.99	+ 8.0	14 27 58.74	.....	+30 45 57.2	....
8	ε Boötis	9	41 49.76	− 0.20	**−44.48**	11 23 50.75	45.765	+ 1.99	+ 11.3	14 41 5.07	.....	+27 27 10.4	....
9	ψ Boötis	9	1 21.76	− 0.20	**−44.48**	11 33 50.65	43.970	+ 1.99	+ 11.5	15 0 37.07	.....	+27 17 51.3	....
	June 16, M.												
10	Sun I, N.	6	36 17.01	− 0.21	−45.48	15 13 48.22	47.897	+ 2.60	+ 15.0	5 35 31.32	+68.86	+23 36 19.7	....
11	Sun II, S.	9	38 34.74	− 0.21	−45.48	15 45 46.32	46.680	+ 2.60	+ 15.6	5 37 49.05	−68.87	+23 4 49.1	....
12	α Ursæ Minoris s. p.	8	26 49.50	+14.38	.....	307 41 48.52	45.620	+ 1.39	−1 11.5	1 26	.....	+88 49 20.5	....
	June 18, L.												
13	Sun N.	.	.. ..	.....	.....	15 9 47.22	48.440	+ 2.94	+ 14.7	5 44	.....	+23 40 8.3	....
14	Sun S.	.	.. ..	.....	.....	15 41 48.65	47.035	+ 2.94	+ 15.3	.. ..	.....	+23 8 38.6	....
	June 19, M.												
15	Moon I.	9	40 49.17	− 0.17	−47.58	59 12	......	....	. ....	15 40 1.42	+65.12	.. ..	....
16	β¹ Scorpii	8	1 1.79	− 0.17	**−47.68**	58 24	......	....	. ....	16 0 14.03	.....	−19 33	....
17	ν Scorpii (*mean*)	9	7 35.37	− 0.17	**−47.61**	58 4	......	....	. ....	16 6 47.61	.....	−19 13	....
18	σ Ophiuchi	9	22 52.59	− 0.20	**−47.55**	34 37 49.88	45.182	+ 2.66	+ 38.0	17 22 4.77	.....	+ 4 12 57.3	....
19	ξ Serpentis	9	33 15.76	− 0.17	**−47.63**	54 10	......	....	. ....	17 32 27.96	.....	−15 20	....
20	β Ophiuchi	9	39 51.28	− 0.20	**−47.57**	34 13 50.10	47.320	+ 2.66	+ 37.5	17 39 3.45	.....	+ 4 36 8.7	....
21	ν Ophiuchi	9	54 54.14	− 0.18	**−47.67**	48 35 50.20	46.365	+ 2.66	+1 2.5	17 54 6.32	.....	− 9 45 54.6	....
22	η Serpentis	9	17 28.95	− 0.18	**−47.71**	41 45 49.82	45.822	+ 2.66	+ 49.2	18 16 41.12	.....	− 2 55 28.5	....
23	3 H. Scuti	9	31 8.34	− 0.18	**−47.62**	47 7 50.68	48.170	+ 2.66	+ 59.4	18 30 20.51	.....	− 8 18 33.2	....
24	θ Serpentis	9	52 34.40	− 0.20	**−47.62**	34 45 49.52	44.935	+ 2.66	+ 38.3	18 51 46.54	.....	+ 4 5 3.0	....
25	Venus II, N.	9	10 47.43	− 0.14	−47.88	23 21 49.05	46.752	+ 2.93	+ 23.6	3 9 59.41	− 0.52	+15 28 36.3	....
26	Mercury II, C.	9	19 5.88	− 0.14	−47.91	20 51 51.40	48.165	+ 2.93	+ 20.7	4 18 17.83	− 0.28	+17 58 4.5	....
	June 20, M.												
27	Sun I, S.	9	52 57.19	− 0.18	−47.95	15 39 46.40	46.777	+ 2.59	+ 15.2	5 52 9.06	+68.96	+23 10 46.9	....
28	Sun II, N.	9	55 15.12	− 0.18	−47.95	15 7 48.20	48.055	+ 2.59	+ 14.7	5 54 26.99	−68.97	+23 42 16.7	....
29	α Ursæ Minoris s. p.	9	26 51.11	+19.30	−48.16	307 41 50.30	45.415	+ 1.74	−1 9.7	1 26 22.25	.....	+88 49 19.7	....
30	*d* Boötis	9	7 7.55	− 0.26	**−48.12**	13 19 47.72	46.090	+ 1.74	+ 12.9	14 6 19.12	.....	+25 31 4.6	....
31	α Boötis	9	12 23.16	− 0.23	**−48.15**	19 11 48.82	46.002	+ 1.74	+ 19.0	14 11 34.76	.....	+19 38 59.4	....
32	*f* Boötis	9	23 6.13	− 0.23	**−48.25**	19 13 48.70	43.752	+ 1.74	+ 19.0	14 22 17.72	.....	+19 37 51.0	....
33	ε Boötis	9	41 53.48	− 0.27	**−48.17**	11 23 48.18	45.862	+ 1.74	+ 11.0	14 41 5.02	.....	+27 27 11.3	....
34	ψ Boötis	8	1 25.55	− 0.27	**−48.24**	11 33 47.90	44.048	+ 1.74	+ 11.2	15 0 37.09	.....	+27 17 52.8	....
35	α Coronæ Borealis	9	31 42.90	− 0.27	**−48.18**	11 49 46.88	46.382	+ 1.74	+ 11.5	15 30 54.42	.....	+27 1 0.2	....
	June 20, L.												
36	Moon I, N.	9	32 6.41	− 0.12	−48.34	62 23 51.32	44.956	+ 1.58	+1 44.3	16 31 17.95	+67.15	−23 34 4.2	....
37	α Ursæ Minoris	9	27 30.67	−15.52	−48.57	310 1 53.95	48.605	+ 2.78	−1 4.9	1 26 26.58	.....	+88 49 17.6	....
38	Mercury C, C.	9	23 9.69	− 0.14	−48.65	20 33 51.52	46.702	+ 2.38	+ 20.3	4 22 20.90	− 0.12	+18 16 38.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 5 30	29 936	71.2	73.0
13 27	29.870	70.2	69.2
14 7	29.868	68.9	68.1
14 29	......	....	67.2
15 1	29.854	67.8	66.5
16 5 39	29.700	74.0	74.0
13 27	29.700	69.9	68.0
18 5 47	29.660	79.7	80.7
19 17 23	29.690	73.7	72.4
17 55	29.696	73.2	71.9
18 53	29.700	72.7	71.2
3 11	29.750	78.2	78.7
4 19	29.754	81.3	81.5
20 5 55	29.754	84.0	84.0
13 27	29.720	81.8	81.0
14 7	29.718	80.8	79.7
14 23	......	....	79.5
15 1	29.746	79.4	78.2
15 32	29.734	78.7	77.3
16 30	29.728	77.3	76.1
1 28	29.768	76.4	75.9
4 22	29.782	83.3	84.0

Micrometer bisections are made at II, VI, except as noted below.

1, 10, 13, 27. Bisections at I, II, III.
2, 11, 14, 28. Bisections at V, VII.
3, 12, 29, 37. Bisections at b_4, b_5, b_6.
25, 26, 38. Bisections at I, II, VI, VII.
36. Bisections at II, III, IV, V, VI.

Notes.

6, 9, 30–34. Clouds.
12. Clouds; poor.
32, 34. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.3	+15 45.5	...	+15 47.8
2	+ 2.3	−15 45.6	...	−15 43.3
10	+ 2.3	−15 45.3	...	−15 43.0
11	+ 2.3	+15 45.3	...	+15 47.6
13	+ 2.2	−15 44.8	...	−15 42.6
14	+ 2.3	+15 44.8	...	+15 47.1
25	+ 3.0	− 7.5	...	− 4.5
26	+ 3.7	.. ....	−0.6	+ 3.1
27	+ 2.3	+15 44.8	...	+15 47.1
28	+ 2.2	−15 44.9	...	−15 42.7
36	+48 16.7	−14 54.3	...	+33 22.4
38	+ 3.5	.. ....	−0.6	+ 2.9

No	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	June 21, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S	9	57 7.68	− 0.22	−48.69	15 39 50.88	45.360	+ 2.90	+ 15.1	5 56 18.77	+68.95	+23 11 14.6	....
2	Sun II, N	9	59 25.59	− 0.22	−48.69	15 7 48.22	46.820	+ 2.90	+ 14.6	5 58 36.68	−68.96	+23 42 44.7	....
3	α Ursæ Minoris s. p.	9	26 52.33	+19.37	−48.89	307 41 53.50	45.353	+ 1.22	−1 9.9	1 26 22.81	.....	+88 49 20.8	....
4	α Boötis	9	12 23.89	− 0.22	**−48.90**	19 11 53.48	45.770	+ 1.22	+ 19.0	14 11 34.77	.....	+19 39 0.6	....
5	*f* Boötis	9	23 6.77	− 0.22	**−48.90**	19 13 52.40	43.618	+ 1.22	+ 19.0	14 22 17.64	.....	+19 37 50.9	....
6	μ Virginis	9	39 9.49	− 0.15	**−48.92**	44 6	......	....	. ....	14 38 20.42	.....	− 5 16	....
7	ε Boötis	9	41 54.18	− 0.26	**−48.89**	11 23 52.68	45.615	+ 1.22	+ 11.0	14 41 5.00	.....	+27 27 12.9	....
8	α Libræ	9	46 44.45	− 0.13	**−48.98**	54 29 52.32	46.650	+ 1.22	+1 16.4	14 45 55.40	.....	−15 40 15.7	....
9	ξ^2 Libræ	9	52 43.59	− 0.14	**−48.99**	49 53 54.10	43.688	+ 1.22	+1 4.8	14 51 54.53	.....	−11 2 58.1	....
10	ψ Boötis	9	1 26.13	− 0.26	**−48.83**	11 33 52.32	43.822	+ 1.22	+ 11.2	15 0 36.94	.....	+27 17 54.1	....
11	ι Libræ	9	7 56.05	− 0.13	**−48.97**	58 15 53.45	48.775	+ 1.22	+1 28.3	15 7 6.99	.....	−19 27 17.2	....
12	β Libræ	9	13 0.44	− 0.14	**−48.95**	47 53 53.98	44.542	+ 1.22	+1 0.4	15 12 11.37	.....	− 9 3 13.1	....
13	32 Libræ	9	24 1.47	− 0.13	**−48.93**	55 13 53.35	46.770	+ 1.22	+1 18.7	15 23 12.40	.....	−16 24 21.7	....
14	α Coronæ Borealis	9	31 43.58	− 0.26	**−48.88**	11 49 52.25	46.128	+ 1.22	+ 11.5	15 30 54.38	.....	+27 1 1.1	....
	June 21, P.												
15	σ Ophiuchi	9	22 53.91	− 0.15	**−48.90**	34 37 52.22	45.085	+ 1.01	+ 38.0	17 22 4.83	.....	+ 4 12 58.8	....
16	Moon I, N	9	26 27.99	− 0.11	−48.93	64 47 49.98	45.532	+ 1.01	+1 56.3	17 25 38.95	+69.01	−25 58 28.9	....
17	Moon S	.	.. ..	.....	.....	65 17 54.65	45.822	+ 1.01	+1 59.0	.. ..	.....	−26 28 39.9	....
18	β Ophiuchi	9	39 52.57	− 0.16	**−48.88**	34 13 49.52	47.328	+ 1.07	+ 37.4	17 39 3.48	.....	+ 4 36 10.8	....
19	ν Ophiuchi	9	54 55.41	− 0.12	**−48.98**	48 35 50.00	46.400	+ 1.14	+1 2.3	17 54 6.35	.....	− 9 45 53.4	....
20	γ Sagittarii	9	0 53.01	− 0.10	−48.94	69 13 50.15	47.396	+ 1.18	+2 24.2	18 0 3.97	.....	−30 25 38.2	....
21	μ Sagittarii	9	9 14.09	− 0.11	−48.95	59 53 49.32	48.106	+ 1.21	+1 34.7	18 8 25.03	.....	−21 5 4.2	....
22	η Serpentis	9	17 30.20	− 0.14	**−48.97**	41 45 49.90	45.822	+ 1.25	+ 49.1	18 16 41.11	.....	− 2 55 27.1	....
23	λ Sagittarii	9	23 16.36	− 0.11	−48.95	64 17 49.62	45.449	+ 1.28	+1 53.9	18 22 27.30	.....	−25 28 23.0	....
24	3 H. Scuti	9	31 9.66	− 0.13	**−48.96**	47 7 50.58	48.210	+ 1.31	+ 59.3	18 30 20.57	.....	− 8 18 32.6	....
25	φ Sagittarii	9	40 53.51	− 0.11	−48.96	65 53 51.32	46.809	+ 1.36	+2 2.7	18 40 4.44	.....	−27 5 4.6	....
26	θ Serpentis	9	52 35.75	− 0.15	**−48.99**	34 45 50.50	44.898	+ 1.39	+ 38.3	18 51 46.63	.....	+ 4 5 4.1	....
27	π Sagittarii	9	5 16.04	− 0.11	−48.97	59 59 51.65	45.318	+ 1.45	+1 35.5	19 4 26.96	.....	−21 10 3.8	....
28	Uranus C, C	9	45 32.84	− 0.11	−48.99	60 37 49.78	44.258	+ 1.64	+1 37.9	19 44 43.74	.....	−21 47 40.3	....
29	Venus II, N	9	20 1.31	− 0.17	−49.16	22 43 50.20	45.790	+ 2.35	+ 22.8	3 19 11.98	− 0.52	+16 6 58.5	....
30	Mercury C, C	9	27 30.03	− 0.18	−49.19	20 13 50.70	48.422	+ 2.40	+ 20.0	4 26 40.66	− 0.12	+18 36 0.6	....
	June 22, P.												
31	Sun I, N	9	1 17.68	− 0.22	−49.23	15 7 47.98	46.707	+ 2.55	+ 14.6	6 0 28.23	+68.95	+23 42 47.6	....
32	Sun II, S	9	3 35.59	− 0.22	−49.23	15 39 48.28	45.475	+ 2.55	+ 15.1	6 2 46.14	−68.96	+23 11 15.2	....
33	α Boötis	9	12 24.44	− 0.28	**−49.39**	19 11 49.85	45.942	+ 0.69	+ 18.9	14 11 34.73	.....	+19 39 0.9	....
34	*f* Boötis	9	23 7.34	− 0.27	**−49.43**	19 13 52.35	43.618	+ 0.69	+ 19.0	14 22 17.64	.....	+19 37 51.4	....
35	ε Boötis	9	41 54.75	− 0.31	**−49.41**	11 23 50.52	45.730	+ 0.69	+ 11.0	14 41 5.00	.....	+27 27 13.0	....
36	8 Libræ	9	46 33.55	− 0.18	**−49.48**	54 27 49.75	45.045	+ 0.69	+1 16.0	14 45 43.93	.....	−15 37 35.5	....
37	ψ Boötis	9	1 26.75	− 0.30	**−49.42**	11 33 46.42	44.125	+ 0.69	+ 11.2	15 0 37.00	.....	+27 17 53.7	....
38	β Libræ	9	13 1.02	− 0.17	**−49.51**	47 53 53.25	44.610	+ 0.69	+1 0.2	15 12 11.40	.....	− 9 3 13.2	....
39	β Coronæ Borealis	9	24 58.63	− 0.30	**−49.42**	9 25 52.25	46.502	+ 0.69	+ 9.1	15 24 8.87	.....	+29 24 55.5	....
40	α Coronæ Borealis	9	31 44.13	− 0.28	**−49.41**	11 49 50.18	46.230	+ 0.69	+ 11.5	15 30 54.39	.....	+27 1 1.4	....
	June 22, M.												
41	σ Ophiuchi	9	22 54.46	− 0.17	**−49.43**	34 37 51.00	45.180	+ 0.91	+ 37.8	17 22 4.83	.....	+ 4 12 58.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 5 59	29.782	86.0	87.2
13 27	29.758	81.0	80.1
14 12	......	....	79.1
14 36	29.766	79.9	78.8
14 59	......	....	77.4
15 11	......	....	77.2
15 32	29.762	78.3	77.1
17 20	29.776	76.1	74.9
17 42	......	....	74.5
18 3	......	....	74.1
18 21	29.768	75.2	74.0
18 43	......	....	73.0
19 0	......	....	72.2
19 7	29.766	74.0	72.0
19 47	29.770	73.5	71.9
3 20	29.822	82.0	81.5
4 28	29.831	85.0	84.5
22 6 4	29.830	87.5	87.3
14 10	29.761	82.2	81.0
14 30	......	....	80.9
14 50	......	....	80.0
15 27	......	....	79.0
15 33	29.772	80.2	79.0
17 23	29.762	78.2	76.3

Micrometer bisections are made at II, VI, except as noted below.

1, 31.	Bisections at I, II, III.
2, 32.	Bisections at V, VII.
3.	Bisections at b_4, b_5, b_6.
16.	Bisections at II, III, IV.
17.	Bisections at V, VI, VII.
20, 21, 23, 25, 28, 29.	Bisections at I, II, VI, VII.
30.	Bisections at I, II, VII.
37.	Bisection at VI.

Note.
18-27. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.3	+15 45.0	...	+15 47.3
2	+ 2.2	−15 45.0	...	−15 42.8
16	+49 37.8	−14 59.5	+ 0.5	+34 38.8
17	+49 50.3	+14 59.5	...	+64 49.8
28	+ 0.4	.. ....	...	+ 0.4
29	+ 3.0	− 7.5	...	− 4.5
30	+ 3.4	.. ....	− 0.5	+ 2.9
31	+ 2.2	−15 46.2	...	−15 44.0
32	+ 2.3	+15 46.1	...	+15 48.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ξ Serpentis	9	33 17.72	− 0.14	**−49.59**	54 9 49.90	47.818	+ 0.95	+1 15.8	17 32 28.12	.....	−15 20 39.1	....
2	β Ophiuchi	9	39 53.21	− 0.18	**−49.49**	34 13 51.75	47.308	+ 0.98	+ 37.3	17 39 3.56	.....	+ 4 36 9.2	....
3	89 Herculis	9	52 39.03	− 0.25	**−49.40**	12 47 51.28	44.222	+ 1.04	+ 12.5	17 51 49.31	.....	+26 3 44.8	....
4	ν Ophiuchi	9	54 55.99	− 0.15	**−49.52**	48 35 52.08	46.335	+ 1.04	+1 2.1	17 54 6.37	.....	− 9 45 53.8	....
5	γ Sagittarii	9	0 53.60	− 0.13	−49.48	69 13 51.32	47.448	+ 1.07	+2 23.6	18 0 3.99	.....	−30 25 39.8	....
6	o Herculis	9	4 53.67	− 0.27	**−49.48**	10 5 51.82	46.598	+ 1.09	+ 9.8	18 4 3.92	.....	+28 44 52.6	....
7	μ Sagittarii	9	9 14.69	− 0.13	−49.48	59 53 50.90	48.068	+ 1.11	+1 34.4	18 8 25.08	.....	−21 5 4.5	....
8	η Serpentis	9	17 30.81	− 0.17	**−49.54**	41 45 52.20	45.765	+ 1.14	+ 49.0	18 16 41.16	.....	− 2 55 27.9	....
9	Moon II, S	9	25 41.98	− 0.13	−49.49	66 25 51.48	43.455	+ 1.17	+2 5.1	18 24 52.36	−70.29	−27 35 50.4	....
10	3 H. Scuti	9	31 10.26	− 0.15	**−49.52**	47 7 52.72	48.145	+ 1.19	+ 59.1	18 30 20.62	.....	− 8 18 32.9	....
11	110 Herculis	9	42 38.93	− 0.23	**−49.51**	18 23 50.55	44.708	+ 1.25	+ 18.3	18 41 49.21	.....	+20 27 28.5	....
12	σ Sagittarii	9	50 33.11	− 0.13	−49.50	65 14	......	....	. ....	18 49 43.48	.....	−26 24	....
13	θ Serpentis	8	52 36.22	− 0.17	**−49.42**	34 45 51.12	44.892	+ 1.29	+ 38.1	18 51 46.55	.....	+ 4 5 4.1	....
14	ε Aquilæ	9	56 23.83	− 0.21	**−49.47**	23 53 50.92	46.648	+ 1.30	+ 24.4	18 55 34.12	.....	+14 56 37.6	....
15	ζ Aquilæ	9	2 7.98	− 0.20	**−49.48**	25 7 50.62	43.935	+ 1.32	+ 25.8	19 1 18.28	.....	+13 43 38.5	....
16	h Sagittarii	9	32 5.80	− 0.13	−49.51	63 53 51.65	47.022	+ 1.37	+1 51.9	19 31 16.16	.....	−25 4 59.1	....
17	Uranus C, C	9	45 24.27	− 0.13	−49.52	60 37 52.15	45.201	+ 1.37	+1 37.5	19 44 34.62	.....	−21 48 3.6	....
18	α Ursæ Minoris	8	27 32.50	−16.43	−49.66	310 1 52.85	48.647	+ 1.81	−1 4.9	1 26 26.41	.....	+88 49 18.7	....
	June 23, M.												
19	Sun I, S	8	5 27.68	− 0.18	−49.77	15 39 51.82	46.255	+ 1.87	+ 15.1	6 4 37.73	+68.95	+23 10 54.3	....
20	Sun II, N	9	7 45.57	− 0.18	−49.77	15 7 50.10	47.630	+ 1.87	+ 14.5	6 6 55.62	−68.94	+23 42 25.4	....
	June 23, L.												
21	σ Ophiuchi	9	22 55.16	− 0.18	**−50.11**	34 37 54.85	44.985	+ 0.90	+ 37.5	17 22 4.83	.....	+ 4 12 59.0	....
22	β Ophiuchi	9	39 53.87	− 0.18	**−50.14**	34 13 52.95	47.232	+ 0.90	+ 37.0	17 39 3.53	.....	+ 4 36 10.1	....
23	ν Ophiuchi	9	54 56.68	− 0.15	**−50.20**	48 35 53.40	46.310	+ 0.90	+1 1.6	17 54 6.36	.....	− 9 45 53.9	....
24	o Herculis	9	4 54.38	− 0.28	**−50.17**	10 5 53.00	46.532	+ 0.90	+ 9.7	18 4 3.93	.....	+28 44 53.2	....
25	μ Sagittarii	9	9 15.42	− 0.13	−50.17	59 53 53.32	47.950	+ 0.90	+1 33.6	18 8 25.12	.....	−21 5 3.2	....
26	η Serpentis	9	17 31.49	− 0.16	**−50.22**	41 45 52.85	45.738	+ 0.90	+ 48.6	18 16 41.16	.....	− 2 55 27.4	....
27	109 Herculis	9	20 44.14	− 0.24	**−50.17**	17 7 52.82	44.310	+ 0.90	+ 16.8	18 19 53.72	.....	+21 43 37.1	....
28	3 H. Scuti	9	31 10.94	− 0.15	**−50.19**	47 7 53.10	48.122	+ 0.90	+ 58.6	18 30 20.61	.....	− 8 18 32.0	....
29	110 Herculis	9	42 39.65	− 0.24	**−50.21**	18 23 52.75	44.595	+ 0.90	+ 18.1	18 41 49.22	.....	+20 27 29.4	....
30	θ Serpentis	9	52 36.99	− 0.18	**−50.17**	34 45 52.75	44.828	+ 0.90	+ 37.8	18 51 46.62	.....	+ 4 5 4.4	....
31	ε Aquilæ	9	56 24.52	− 0.22	**−50.14**	23 53 52.90	46.540	+ 0.90	+ 24.1	18 55 34.11	.....	+14 56 38.8	....
32	π Sagittarii	9	5 17.27	− 0.13	−50.20	59 59 53.38	45.335	+ 0.90	+1 34.1	19 4 16.94	.....	−21 10 3.9	....
33	d Sagittarii	9	13 14.70	− 0.13	**−50.27**	57 55 53.52	47.702	+ 0.90	+1 26.8	19 12 24.37	.....	−19 6 50.9	....
34	Moon S	.	.. ..	......	.....	66 6 2.67	43.557	+ 0.90	+2 2.4	.. ..	.....	−27 16 0.3	....
35	Moon II, N	9	23 58.66	− 0.12	−50.20	65 35 57.97	41.910	+ 0.90	+1 59.5	19 23 8.34	−70.72	−26 45 16.4	....
36	Uranus C, C	9	45 15.90	− 0.13	−50.21	60 37 54.65	46.159	+ 0.90	+1 36.8	19 44 25.56	.....	−21 48 26.8	....
37	γ Sagittæ	9	55 37.47	− 0.23	**−50.19**	19 35 53.02	46.492	+ 0.90	+ 19.5	19 54 47.02	.....	+19 14 44.4	....
38	α Ursæ Minoris	9	27 36.44	−19.54	−50.36	310 1 52.25	48.720	+ 1.12	−1 4.8	1 26 26.54	.....	+88 49 18.1	....
	June 24, L.												
39	Sun I, S	9	9 37.97	− 0.22	−50.46	15 39 49.65	48.353	+ 1.96	+ 15.3	6 8 47.29	+68.88	+23 10 8.2	....
40	Sun II, N	9	11 55.73	− 0.22	−50.46	15 7 49.62	49.730	+ 1.96	+ 14.7	6 11 5.05	−68.88	+23 41 37.7	....
	June 24, M.												
41	β Ophiuchi	9	39 54.34	− 0.18	**−50.61**	34 13 53.35	47.148	+ 1.13	+ 38.2	17 39 3.53	.....	+ 4 36 10.2	....
42	o Herculis	9	4 54.81	− 0.26	**−50.62**	10 5 52.72	46.538	+ 1.21	+ 10.1	18 4 3.91	.....	+28 44 52.7	....
43	η Serpentis	9	17 32.02	− 0.16	**−50.74**	41 45 52.22	45.660	+ 1.25	+ 50.2	18 16 41.22	.....	− 2 55 26.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 18 1	......	....	75.8
18 26	29.752	76.8	75.3
18 51	......	....	75.1
19 2	......	....	74.7
19 45	29.754	75.2	73.8
1 28	29.770	76.2	75.8
23 6 8	29.768	87.7	88.0
17 23	29.728	80.1	80.3
17 40	......	....	80.0
17 55	......	....	79.3
18 10	......	....	79.1
18 31	29.716	79.4	79.3
18 50	......	....	79.0
19 10	......	....	78.0
19 24	29.708	78.3	77.8
19 46	......	....	77.1
19 56	29.704	78.1	77.1
1 28	29.750	77.2	75.9
24 6 12	29.790	83.2	82.1
17 40	29.902	69.0	67.1
18 5	......	....	66.1

Micrometer bisections are made at II, VI, except as noted below.

5, 16, 17, 33, 36. Bisections at I, II, VI, VII.
9. Bisections at II, III, IV, V, VI.
13. Bisections at VI, VII.
18. Bisections at b_4, b_5, b_6.
19. Bisections at I, III.
20. Bisections at V, VII.
26. Bisections at I, II.
32. Bisections at II, VI, VII.
34, 39. Bisections at I, II, III.
35, 40. Bisections at V, VI, VII.
38. Bisections at b_3, b_4, b_5, b_6, b_7.

Notes.

18. Very faint; clouds.
21, 25. Hazy.
38. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+50 40.2	+15 7.2	...	+65 47.4
17	+ 0.4	.. ....	...	+ 0.4
19	+ 2.3	+15 45.5	...	+15 47.8
20	+ 2.2	−15 45.5	...	−15 43.3
34	+50 58.3	+15 15.9	...	+66 14.2
35	+50 45.8	−15 15.9	+0.4	+35 30.3
36	+ 0.4	.. ....	...	+ 0.4
39	+ 2.3	+15 44.7	...	+15 47.0
40	+ 2.2	−15 44.7	...	−15 42.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	λ Sagittarii	9	23 18.18	− 0.15	−50.64	64 17 53.22	45.202	+ 1.27	+1 56.3	18 22 27.39	.....	−25 28 23.3	....
2	3 H. Scuti	9	31 11.47	− 0.15	**−50.71**	47 7 53.35	48.008	+ 1.29	+1 0.6	18 30 20.67	.....	− 8 18 32.0	....
3	θ Serpentis	9	52 37.50	− 0.17	**−50.67**	34 45 52.32	44.768	+ 1.36	+ 39.1	18 51 46.67	.....	+ 4 5 4.5	....
4	ε Aquilæ	9	56 24.99	− 0.20	**−50.62**	23 53 51.88	46.540	+ 1.37	+ 25.0	18 55 34.13	.....	+14 56 38.5	....
5	ζ Aquilæ	9	2 9.17	− 0.19	**−50.65**	25 7 53.02	43.780	+ 1.38	+ 26.4	19 1 18.32	.....	+13 43 39.0	....
6	ψ Sagittarii	9	10 54.56	− 0.14	−50.66	64 13 53.22	46.222	+ 1.42	+1 56.2	19 10 3.76	.....	−25 24 46.7	....
7	δ Sagittæ	9	44 15.16	− 0.20	**−50.63**	20 31 52.48	46.798	+ 1.51	+ 21.2	19 43 24.28	.....	+18 18 35.5	....
8	Uranus C, C	8	45 7.15	− 0.13	−50.68	60 39 52.90	41.885	+ 1.53	+1 39.9	19 44 16.34	.....	−21 48 50.9	....
9	c Sagittarii	9	58 0.66	− 0.13	−50.68	66 45 53.72	47.818	+ 1.57	+2 10.7	19 57 9.85	.....	−27 57 38.2	....
10	Moon N	.	.. ..	....	.....	63 45 53.45	43.155	+ 1.59	+1 53.9	.. ..	.....	−24 55 33.0	....
11	Moon II, S	7	22 7.60	− 0.12	−50.69	64 15 54.42	45.370	+ 1.59	+1 56.5	20 21 16.79	−70.26	−25 26 30.7	....
12	υ Capricorni	9	35 48.51	− 0.13	−50.70	57 17 53.40	43.704	+ 1.59	+1 27.6	20 34 57.68	.....	−18 27 20.9	....
13	32 Vulpeculæ	9	51 35.93	− 0.23	**−50.66**	11 7 52.05	46.840	+ 1.59	+ 11.1	20 50 44.99	.....	+27 42 45.1	....
	June 25, L.												
14	σ Ophiuchi	9	22 56.35	− 0.15	**−51.32**	34 37 56.08	44.840	+ 1.12	+ 38.9	17 22 4.84	.....	+ 4 12 59.5	....
15	β Ophiuchi	9	39 55.06	− 0.15	**−51.35**	34 13 55.62	47.022	+ 1.12	+ 38.3	17 39 3.54	.....	+ 4 36 10.7	....
16	ν Ophiuchi	9	54 57.94	− 0.13	**−51.46**	48 35 57.02	45.990	+ 1.12	+1 3.9	17 54 6.43	.....	− 9 45 52.7	....
17	η Serpentis	9	17 32.69	− 0.14	**−51.41**	41 45 55.92	45.482	+ 1.12	+ 50.4	18 16 41.16	.....	− 2 55 26.5	....
18	3 H. Scuti	9	31 12.16	− 0.13	**−51.40**	47 7 57.60	47.782	+ 1.12	+1 0.8	18 30 20.64	.....	− 8 18 31.1	....
19	θ Serpentis	9	52 38.24	− 0.15	**−51.42**	34 45 55.52	44.605	+ 1.12	+ 39.2	18 51 46.69	.....	+ 4 5 5.1	....
20	Uranus C, C	9	44 58.63	− 0.12	−51.42	60 37 55.48	48.032	+ 1.13	+1 40.3	19 44 7.09	.....	−21 49 14.3	....
21	ε Aquarii	9	43 41.69	− 0.11	**−51.44**	48 39 56.50	45.052	+ 1.38	+1 4.2	20 42 50.13	.....	− 9 49 31.3	....
22	32 Vulpeculæ	9	51 36.68	− 0.18	**−51.43**	11 7 55.00	46.620	+ 1.42	+ 11.2	20 50 45.05	.....	+27 42 47.2	....
23	θ Capricorni	9	1 46.82	− 0.11	**−51.49**	56 25 55.12	43.875	+ 1.45	+1 25.1	21 0 55.25	.....	−17 35 24.0	....
24	ν Aquarii	9	5 34.94	− 0.11	**−51.51**	50 33 56.20	46.485	+ 1.47	+1 8.8	21 4 43.37	.....	−11 44 8.4	....
25	Moon II, N	9	18 54.68	− 0.11	−51.46	60 31 56.52	43.168	+ 1.52	+1 39.9	21 18 3.11	−69.18	−21 41 24.1	....
26	β Aquarii	9	27 42.47	− 0.12	**−51.41**	44 47 57.80	46.625	+ 1.57	+ 56.3	21 26 50.88	.....	− 5 58 0.8	....
27	γ Capricorni	9	35 59.60	− 0.11	**−51.40**	55 53 56.08	45.645	+ 1.59	+1 23.6	21 35 8.02	.....	−17 4 4.0	....
28	δ Capricorni	7	42 57.73	− 0.11	**−51.46**	55 21 56.18	45.725	+ 1.62	+1 22.0	21 42 6.15	.....	−16 32 4.5	....
	June 26, M.												
29	σ Ophiuchi	9	22 56.84	− 0.16	**−51.79**	34 37 54.62	44.938	+ 1.58	+ 38.9	17 22 4.86	.....	+ 4 12 58.3	....
30	β Ophiuchi	9	39 55.55	− 0.16	**−51.82**	34 13 54.32	47.092	+ 1.58	+ 38.3	17 39 3.56	.....	+ 4 36 9.9	....
31	ν Ophiuchi	9	54 58.39	− 0.14	**−51.89**	48 35 56.75	46.035	+ 1.58	+1 3.9	17 54 6.42	.....	− 9 45 53.7	....
32	η Serpentis	9	17 33.21	− 0.15	**−51.91**	41 45 53.72	45.618	+ 1.58	+ 50.4	18 16 41.21	.....	− 2 55 27.9	....
33	3 H. Scuti	9	31 12.68	− 0.14	**−51.90**	47 7 56.62	47.870	+ 1.58	+1 0.8	18 30 20.69	.....	− 8 18 32.6	....
34	Uranus C, C	9	44 49.84	− 0.14	−51.88	60 39 52.35	43.990	+ 1.58	+1 40.1	19 43 57.82	.....	−21 49 38.9	....
35	α^2 Capricorni	9	13 57.78	− 0.13	**−51.93**	51 39 52.88	44.745	+ 1.58	+1 11.3	20 13 5.75	.....	−12 49 27.9	....
36	ρ Capricorni	9	24 37.79	− 0.13	**−51.93**	56 55 51.20	47.358	+ 1.58	+1 26.6	20 23 45.76	.....	−18 6 41.3	....
37	32 Vulpeculæ	9	51 37.17	− 0.20	**−51.88**	11 7 52.45	46.795	+ 1.58	+ 11.2	20 50 45.06	.....	+27 42 45.6	....
38	θ Capricorni	9	1 47.35	− 0.13	**−51.98**	56 25 52.62	44.032	+ 1.58	+1 24.9	21 0 55.30	.....	−17 35 25.0	....
39	ζ Cygni	9	9 59.96	− 0.20	**−51.86**	8 59 49.45	45.580	+ 1.58	+ 9.0	21 9 7.84	.....	+29 51 18.6	....
40	ι Capricorni	9	18 8.07	− 0.13	**−51.90**	56 3 51.18	43.172	+ 1.58	+1 23.7	21 17 16.01	.....	−17 13 2.7	....
41	γ Capricorni	9	36 0.19	− 0.13	**−51.94**	55 53 51.25	45.935	+ 1.58	+1 23.3	21 35 8.13	.....	−17 4 5.5	....
42	ε Pegasi	9	40 39.46	− 0.15	**−51.90**	29 23 51.32	43.560	+ 1.58	+ 31.8	21 39 47.38	.....	+ 9 27 40.1	....
43	16 Pegasi	9	49 51.46	− 0.19	**−51.91**	13 21 51.52	43.550	+ 1.58	+ 13.5	21 48 59.33	.....	+25 29 58.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 18 31	29.912	67.8	65.3
19 2	......	....	65.1
19 45	29.904	66.8	64.3
20 22	29.902	66.3	64.1
20 52	29.898	66.4	64.2
25 17 23	30.010	68.6	67.1
17 40	......	....	66.7
17 55	......	....	66.3
18 18	......	....	65.9
18 32	......	....	65.7
18 53	30.018	67.0	65.1
19 46	......	....	64.3
20 10	30.022	65.8	....
20 44	......	....	64.7
21 6	......	....	64.1
21 20	......	....	63.9
21 41	30.024	65.1	63.2
26 17 23	29.940	67.2	65.4
17 55	......	....	65.1
18 18	29.930	66.8	64.5
18 52	29.920	66.3	63.9
19 45	29.904	65.3	63.5
20 52	29.874	64.7	62.9
21 36	......	....	62.8
21 50	......	....	62.8

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 9.	Bisections at II, VI, VII.
6, 12, 34.	Bisections at I, II, VI, VII.
7.	Bisections at I, IV.
8, 31.	Bisections at VI, VII.
10.	Bisections at I, II, III.
11.	Bisections at V, VI, VII.
20.	Bisections at I, II.
25.	Bisections at II, III, IV, V, VI.
28.	Bisection at II.
43.	Bisections at I, II, VI.

Notes.

21, 38, 39, 40, 43.	Clouds.
28.	Very faint.
40.	Poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 0.4	.. ....	...	+ 0.4
10	+50 26.9	−15 22.5	...	+35 4.4
11	+50 40.5	+15 22.5	− 0.9	+66 2.1
20	+ 0.4	.. ....	...	+ 0.4
25	+49 24.8	−15 31.8	...	+33 53.0
34	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Aquarii	9	2 28.31	− 0.13	**−51.97**	53 7 52.70	46.848	+ 1.58	+1 15.2	22 1 36.24	.....	−14 18 19.7	....
2	ι Pegasi	9	3 42.61	− 0.19	**−51.85**	13 57 51.98	42.910	+ 1.58	+ 14.1	22 2 50.48	.....	+24 54 12.0	....
3	Moon II	6	13 42.74	− 0.13	−51.94	56 20	......	....	. ....	22 12 50.67	−67.92	.. ..	....
4	α Ursæ Minoris	9	27 33.57	−12.31	−52.03	310 1 57.20	48.500	+ 2.17	−1 6.3	1 26 29.23	.....	+88 49 18.7	....
	June 27, L.												
5	τ Aquarii	9	45 43.92	− 0.11	.....	52 53 56.35	45.796	+ 1.53	+1 13.0	22 44	.....	−14 3 57.1	− 7.9
6	δ Aquarii	5	50 46.71	− 0.11	**[−52.76]**	55 7 56.50	45.259	+ 1.53	+1 19.2	22 49	.....	−16 17 51.1	....
7	α Pegasi	9	1 10.53	− 0.14	**[−52.72]**	24 7 56.48	44.825	+ 1.53	+ 24.8	23 0	.....	+14 43 12.9	....
8	Moon II, N.	9	6 38.87	− 0.11	−52.70	50 39 56.45	45.131	+ 1.53	+1 7.4	23 5 46.06	−66.90	−11 49 35.9	....
9	φ Aquarii	9	10 33.66	− 0.11	**[−52.71]**	45 21 56.40	46.554	+ 1.53	+ 56.0	23 9	.....	− 6 31 57.5	....
10	γ Piscium	7	13 23.91	− 0.12	**[−52.73]**	36 3 56.70	43.505	+ 1.53	+ 40.3	23 12	.....	+ 2 47 27.8	....
11	κ Piscium	9	23 12.98	− 0.12	**[−52.71]**	38 5 56.88	42.418	+ 1.53	+ 43.3	23 22	.....	+ 0 45 49.2	....
	June 28, M.												
12	Moon II, N.	9	58 23.29	− 0.12	−53.23	44 33 55.28	45.948	+ 1.98	+ 54.7	23 57 29.94	−66.46	− 5 43 41.7	....
13	α Ursæ Minoris	9	27 37.50	−11.82	−53.29	310 1 56.35	48.500	+ 1.98	−1 5.4	1 26 32.39	.....	+88 49 18.9	....
14	Mercury C, C.	9	5 35.13	− 0.15	−53.36	17 49 51.90	44.222	+ 2.46	+ 17.5	5 4 41.62	− 0.08	+21 1 37.8	....
	June 29, M.												
15	Sun I, N.	9	30 26.48	− 0.15	−53.40	15 19 53.38	44.533	+ 2.51	+ 14.9	6 29 32.93	+68.74	+23 31 31.6	....
16	Sun II, S.	9	32 43.96	− 0.15	−53.40	15 51 53.80	43.097	+ 2.51	+ 15.4	6 31 50.41	−68.74	+23 0 3.8	....
17	γ Herculis	9	18 52.73	− 0.20	**−53.70**	19 29 53.42	43.715	+ 1.17	+ 19.5	16 17 58.86	.....	+19 21 47.2	....
18	β Herculis	9	27 16.81	− 0.21	**−53.71**	17 9 52.35	45.742	+ 1.17	+ 17.0	16 26 22.93	.....	+21 41 4.4	....
19	δ Herculis	9	12 15.93	− 0.22	**−53.64**	13 53 52.50	46.995	+ 1.31	+ 13.7	17 11 22.02	.....	+24 56 38.8	....
20	σ Ophiuchi	9	22 58.74	− 0.18	**−53.66**	34 37 53.08	45.030	+ 1.35	+ 38.0	17 22 4.86	.....	+ 4 12 58.8	....
21	β Ophiuchi	9	39 57.47	− 0.18	**−53.70**	34 13 51.85	47.272	+ 1.43	+ 37.4	17 39 3.59	.....	+ 4 36 9.3	....
22	89 Herculis	9	52 43.29	− 0.22	**−53.65**	12 47 52.02	44.115	+ 1.45	+ 12.5	17 51 49.36	.....	+26 3 46.1	....
23	ν Ophiuchi	9	55 0.32	− 0.17	**−53.76**	48 35 52.88	46.282	+ 1.47	+1 2.2	17 54 6.44	.....	− 9 45 53.9	....
24	ο Herculis	9	4 57.88	− 0.23	**−53.68**	10 5 50.45	46.588	+ 1.51	+ 9.8	18 4 3.93	.....	+28 44 53.8	....
25	η Serpentis	9	17 35.08	− 0.17	**−53.73**	41 45 52.20	45.715	+ 1.56	+ 49.1	18 16 41.19	.....	− 2 55 27.2	....
26	3 H. Scuti	9	31 14.61	− 0.17	**−53.76**	47 7 53.82	48.022	+ 1.60	+ 59.3	18 30 20.71	.....	− 8 18 31.8	....
27	θ Serpentis	9	52 40.68	− 0.18	**−53.77**	34 45 54.48	44.690	+ 1.65	+ 38.3	18 51 46.76	.....	+ 4 5 4.6	....
	June 29, L.												
28	Moon II, N.	9	50 1.11	− 0.13	−53.98	38 5 57.10	43.046	+ 2.12	+ 43.2	0 49 7.00	−66.80	+ 0 45 34.1	....
29	α Ursæ Minoris	9	27 42.33	−12.99	−54.01	310 3 56.72	43.275	+ 2.12	−1 5.0	1 26 35.33	.....	+88 49 17.4	....
30	Mercury C, C.	9	12 8.34	− 0.23	−54.09	17 27 56.50	48.259	+ 2.55	+ 17.1	5 11 14.02	− 0.07	+21 22 1.2	....
	June 30, L.												
31	Sun I, N.	9	34 35.87	− 0.24	−54.13	15 21 50.30	47.815	+ 2.62	+ 14.9	6 33 41.50	+68.86	+23 28 19.5	....
32	Sun II, S.	9	36 53.58	− 0.24	−54.13	15 33 52.62	46.447	+ 2.62	+ 15.4	6 35 59.21	−68.85	+22 56 48.4	....
33	ε Boötis	9	41 59.58	− 0.31	**[−54.32]**	11 23 54.52	45.452	+ 2.04	+ 11.0	14 41 4.95	.....	+27 27 14.0	....
34	8 Libræ	9	46 38.46	− 0.22	**[−54.40]**	54 27 55.85	44.680	+ 2.04	+1 16.1	14 45 43.92	.....	−15 37 34.7	....
35	ψ Boötis	9	1 31.61	− 0.31	**−54.33**	11 33 54.18	43.655	+ 2.04	+ 11.2	15 0 36.97	.....	+27 17 55.2	....
36	β Libræ	9	13 5.91	− 0.22	**−54.37**	47 53 56.50	44.385	+ 2.04	+1 0.3	15 12 11.36	.....	− 9 3 12.8	....
37	β Coronæ Borealis	9	25 3.44	− 0.32	**−54.27**	9 25 54.95	46.260	+ 2.04	+ 9.1	15 24 8.78	.....	+29 24 57.0	....
38	α Coronæ Borealis	9	31 49.00	− 0.31	**−54.31**	11 49 53.52	45.935	+ 2.04	+ 11.5	15 30 54.35	.....	+27 1 3.4	....
39	α Serpentis	9	40 46.41	− 0.24	**−54.42**	32 7 55.15	46.480	+ 2.04	+ 34.3	15 39 51.82	.....	+ 6 42 26.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 22 8	29.866	64.3	62.9
1 28	29.836	67.2	65.8
27 22 46	......	....	69.0
22 54	29.602	70.2	69.0
23 15	......	....	68.8
23 24	29.604	70.2	68.7
28 23 58	29.716	69.2	68.0
1 28	29.760	71.8	71.2
5 6	29.784	80.4	80.8
29 6 33	29.770	82.3	82.5
16 19	29.770	76.3	75.2
17 12	29.770	74.8	74.3
17 40	......	....	74.4
17 55	29.770	74.9	75.2
18 53	29.762	73.5	72.6
0 50	29.770	73.0	72.8
1 28	29.782	74.9	74.7
5 12	29.822	83.9	84.0
30 6 37	29.826	85.8	85.8
14 43	29.794	80.5	80.4
15 2	......	....	79.3
15 14	......	....	79.3
15 32	......	....	78.3

Micrometer bisections are made at II, VI, except as noted below.

4, 13, 29. Bisections at b_4, b_5, b_6.
5, 6, 9, 14, 30. Bisections at I, II, VI, VII.
7, 39. Bisections at I, II.
8. Bisections at II, III, IV, VI.
10. Bisections at VI, VII.
12, 28. Bisections at II, III, IV, V, VI.
15, 31. Bisections at I, II, III.
16, 32. Bisections at V, VI, VII.

Notes.

5. Poor image.
6. Poor image; clouds.
24. Clouds.
33–39. Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+44 43.0	−15 49.5	...	+28 53.5
12	+40 56.2	−15 58.4	...	+24 57.8
14	+ 2.6	.. ....	− 0.2	+ 2.4
15	+ 2.3	−15 43.9	...	−15 41.6
16	+ 2.3	+15 43.9	...	+15 46.2
28	+36 16.6	−16 6.9	...	+20 9.7
30	+ 2.5	.. ....	− 0.2	+ 2.3
31	+ 2.3	−15 45.5	...	−15 43.2
32	+ 2.4	+15 45.5	...	+15 47.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Serpentis	9	42 58.35	− 0.27	**−54.30**	23 7 55.45	47.725	+ 2.04	+ 23.4	15 42 3.73	.....	+15 42 8.8	....
2	ε Serpentis	9	47 16.04	− 0.24	**−54.36**	34 5 56.15	45.385	+ 2.04	+ 37.0	15 46 21.45	.....	+ 4 44 47.9	....
3	γ Serpentis	9	53 14.06	− 0.27	**−54.28**	22 53 55.10	44.868	+ 2.04	+ 23.1	15 52 19.44	.....	+15 57 14.7	....
4	δ Ophiuchi	9	10 34.10	− 0.23	**−54.37**	42 17 55.80	46.668	+ 2.04	+ 49.7	16 9 39.51	.....	− 3 27 53.7	....
5	σ Ophiuchi	9	22 59.49	− 0.22	**−54.37**	34 37 55.88	44.832	+ 2.04	+ 37.8	17 22 4.88	.....	+ 4 13 0.1	....
6	β Ophiuchi	9	39 58.18	− 0.22	**−54.36**	34 13 55.65	47.015	+ 2.04	+ 37.3	17 39 3.56	.....	+ 4 36 10.9	....
7	ν Ophiuchi	9	55 1.07	− 0.20	**−54.47**	48 35 56.65	46.038	+ 2.04	+1 2.1	17 54 6.47	.....	− 9 45 52.5	....
8	3 H. Scuti	9	31 15.37	− 0.20	**−54.48**	47 7 56.05	47.892	+ 2.04	+ 59.1	18 30 20.75	.....	− 8 18 31.3	....
	July 1, M.												
9	Sun S	.	.. ..	.....	.....	15 57 51.25	45.573	+ 2.23	+ 15.4	6 38	.....	+22 53 9.7	....
10	Sun N	.	.. ..	.....	.....	15 25 52.90	46.878	+ 2.23	+ 14.8	.. ..	.....	+23 24 39.2	....
	July 2, L.												
11	Sun S	.	.. ..	.....	.....	16 1 55.28	45.560	+ 2.25	+ 15.5	6 43	.....	+22 49 5.8	....
12	Sun N	.	.. ..	.....	.....	15 29 52.65	46.975	+ 2.25	+ 15.0	.. ..	.....	+23 20 37.1	....
	July 4, M.												
13	Mercury C	.	.. ..	.....	.....	15 59 52.70	46.328	+ 1.65	+ 15.9	5 47	.....	+22 50 51.2	....
	July 5, M.												
14	α Ursæ Minoris s. p.	9	27 22.00	+16.21	−57.35	307 41 56.40	45.223	+ 1.35	−1 11.1	1 26 40.86	.....	+88 49 19.6	....
15	σ Ophiuchi	9	23 2.50	− 0.17	**−57.41**	34 37 55.40	44.855	+ 0.93	+ 38.7	17 22 4.88	.....	+ 4 13 0.2	....
16	β Ophiuchi	9	40 1.23	− 0.17	**−57.44**	34 13 54.42	47.040	+ 0.93	+ 38.2	17 39 3.60	.....	+ 4 36 11.8	....
17	ν Ophiuchi	9	55 4.12	− 0.16	**−57.52**	48 35 55.00	46.085	+ 0.93	+1 3.8	17 54 6.50	.....	− 9 45 52.5	....
18	η Serpentis	9	17 38.93	− 0.16	**−57.54**	41 45 54.02	45.580	+ 0.93	+ 50.3	18 16 41.30	.....	− 2 55 26.6	....
19	3 H. Scuti	9	31 18.33	− 0.16	**−57.42**	47 7 54.95	47.935	+ 0.93	+1 0.8	18 30 20.69	.....	− 8 18 31.8	....
20	θ Serpentis	9	52 44.44	− 0.17	**−57.47**	34 45 54.90	44.597	+ 0.93	+ 39.2	18 51 46.78	.....	+ 4 5 6.2	....
	July 5, L.												
21	α Ursæ Minoris	7	27 48.71	−14.84	−57.76	310 3 56.02	43.408	+ 1.60	−1 6.6	1 26 36.11	.....	+88 49 17.1	....
22	Mercury C, C	9	57 4.37	− 0.16	−57.88	15 45 59.40	46.710	+ 1.83	+ 15.6	5 56 6.33	− 0.04	+23 4 35.9	....
	July 6, L.												
23	Sun I, N	9	59 26.50	− 0.17	−57.91	15 49 52.65	47.535	+ 1.98	+ 15.7	6 58 28.42	+68.74	+23 0 23.4	....
24	Sun II, S	9	1 43.99	− 0.17	−57.91	16 21 52.38	46.380	+ 1.98	+ 16.2	7 0 45.91	−68.75	+22 28 50.0	....
	July 7, L.												
25	α Ursæ Minoris	9	27 54.01	−12.86	−59.00	310 3 58.65	43.210	+ 1.29	−1 5.1	1 26 42.15	.....	+88 49 17.7	....
	July 8, L.												
26	Sun I, S	9	7 41.39	− 0.24	−59.14	16 33 52.30	47.590	+ 1.99	+ 16.1	7 6 42.01	+68.43	+22 16 22.1	....
27	Sun II, N	9	9 58.26	− 0.24	−59.14	16 1 51.72	48.968	+ 1.99	+ 15.5	7 8 58.88	−68.44	+22 47 52.2	....
28	σ Ophiuchi	9	23 4.54	− 0.21	**−59.40**	34 37 56.08	44.840	+ 0.65	+ 37.7	17 22 4.92	.....	+ 4 13 1.2	....
29	β Ophiuchi	8	40 3.28	− 0.21	**−59.44**	34 13 55.78	47.005	+ 0.65	+ 37.2	17 39 3.65	.....	+ 4 36 12.5	....
30	μ Herculis	9	43 57.87	− 0.28	**−59.38**	11 5 55.30	42.528	+ 0.65	+ 10.7	17 42 58.17	.....	+27 46 21.7	....
31	89 Herculis	9	52 49.06	− 0.27	**−59.34**	12 47 55.48	43.842	+ 0.65	+ 12.5	17 51 49.37	.....	+26 3 49.5	....
32	ν Ophiuchi	9	55 6.15	− 0.19	**−59.51**	48 35 56.60	46.070	+ 0.65	+1 1.9	17 54 6.53	.....	− 9 45 51.6	....
33	ο Herculis	9	5 3.68	− 0.29	**−59.39**	10 5 55.22	46.245	+ 0.65	+ 9.8	18 4 3.96	.....	+28 44 57.7	....
34	η Serpentis	9	17 40.96	− 0.20	**−59.51**	41 45 55.60	45.510	+ 0.65	+ 48.8	18 16 41.33	.....	− 2 55 24.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 15 54	......	....	78.2
16 8	29.800	78.7	78.1
17 23	29.780	77.2	76.8
17 56	......	....	76.0
18 32	......	....	75.2
18 50	29.762	75.8	....
1 6 41	29.752	87.0	88.0
2 6 45	29.698	84.5	84.6
4 5 49	29.980	78.6	75.1
5 13 27	29.924	76.2	74.9
17 23	29.968	69.3	67.9
17 55	......	....	66.2
18 18	29.960	67.7	65.2
18 53	29.950	66.4	64.3
1 28	29.930	66.2	65.7
5 57	29.966	78.0	76.0
6 7 2	29.950	78.3	77.3
7 1 28	29.654	72.9	72.0
8 7 10	29.710	84.0	84.0
17 23	29.730	79.2	77.7
17 49	......	....	76.9
18 21	......	....	76.7
18 31	29.740	77.9	....

Micrometer bisections are made at II, VI, except as noted below.

9, 23, 26.	Bisections at I, II, III.
10, 24, 27.	Bisections at V, VI, VII.
11, 31, 34.	Bisections at I, II.
12.	Bisections at VI, VII.
13, 22.	Bisections at I, II, VI, VII.
14, 21.	Bisections at b_4, b_5, b_6.
20.	Bisections at II, VI, VII.
25.	Bisections at b_3, b_4, b_5, b_6, b_7.

Notes.

1-8.	Haze.
7, 8.	Very faint.
21.	Clouds.
30.	Faint; clouds.
34.	Very faint: clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 2.4	+15 44.7	...	+15 47.1
10	+ 2.3	−15 44.7	...	−15 42.4
11	+ 2.4	+15 45.6	...	+15 48.0
12	+ 2.3	−15 45.6	...	−15 43.3
13	+ 2.1	.. ....	0.0	+ 2.1
22	+ 2.0	.. ....	0.0	+ 2.0
23	+ 2.3	−15 46.7	...	−15 44.4
24	+ 2.4	+15 46.6	...	+15 49.0
26	+ 2.4	+15 45.1	...	+15 47.5
27	+ 2.4	−15 45.0	...	−15 42.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	July 8, M.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris	8	27 58.31	−15.95	−59.51	310 3 54.30	43.362	+ 1.38	−1 5.2	1 26 42.85	.....	+88 49 18.7	....
2	Mercury II, C	9	22 45.83	− 0.24	−59.63	15 15 54.15	48.230	+ 1.72	+ 14.8	6 21 45.96	− 0.20	+23 34 7.4	....
	July 9, M.												
3	Sun I, N	9	11 47.91	− 0.23	−59.65	16 9 53.18	45.850	+ 1.72	+ 15.6	7 10 48.03	+68.39	+22 41 1.7	....
4	Sun II, S	9	14 4.68	− 0.23	−59.65	16 41 54.70	44.455	+ 1.72	+ 16.1	7 13 4.80	−68.38	+22 9 32.0	....
5	Moon I	9	54 16.77	− 0.29	−59.72	21 2	......	....	.....	9 53 16.76	+68.15	.. ..	....
6	γ Herculis	9	18 58.91	− 0.29	−59.83	19 29 51.32	43.795	+ 0.36	+ 19.3	16 17 58.74	.....	+19 21 48.5	....
7	β Herculis	9	27 23.04	− 0.30	−59.89	17 9 51.60	45.740	+ 0.36	+ 16.8	16 26 22.86	.....	+21 41 6.2	....
8	δ Herculis	9	12 22.27	− 0.31	−59.90	13 53 51.18	47.028	+ 0.48	+ 13.5	17 11 22.06	.....	+24 56 40.4	....
9	σ Ophiuchi	9	23 5.07	− 0.24	−59.90	34 37 53.32	45.008	+ 0.52	+ 37.6	17 22 4.93	.....	+ 4 13 0.3	....
10	ν Ophiuchi	9	55 6.62	− 0.22	−59.94	48 35 53.18	46.292	+ 0.63	+1 1.8	17 54 6.48	.....	− 9 45 53.2	....
11	ο Herculis	9	5 4.20	− 0.33	−59.87	10 5 53.35	46.370	+ 0.68	+ 9.8	18 4 3.95	.....	+28 44 56.7	....
12	η Serpentis	9	17 41.47	− 0.22	−59.99	41 45 52.48	45.722	+ 0.73	+ 48.7	18 16 41.32	.....	− 2 55 26.5	....
13	3 H. Scuti	9	31 20.96	− 0.22	−59.96	47 7 53.42	48.080	+ 0.77	+ 58.8	18 30 20.81	.....	− 8 18 31.4	....
14	θ Serpentis	9	52 47.03	− 0.24	−59.95	34 45 52.95	44.760	+ 0.82	+ 37.9	18 51 46.85	.....	+ 4 5 5.8	....
15	ε Aquilæ	9	56 34.52	− 0.27	−59.91	23 53 53.42	46.420	+ 0.82	+ 24.2	18 55 34.31	.....	+14 56 41.0	....
	July 10, L.												
16	Mercury II, C	9	40 46.54	− 0.23	−60.97	15 7 55.90	47.565	+ 1.51	+ 14.7	6 39 45.34	− 0.19	+23 42 21.1	....
	July 11, L.												
17	Sun I, N	9	20 0.07	− 0.22	−60.99	16 23 54.70	47.945	+ 1.48	+ 15.9	7 18 58.86	+68.28	+22 26 12.2	....
18	Sun II, S	9	22 16.62	− 0.22	−60.99	16 55 50.88	46.880	+ 1.48	+ 16.5	7 21 15.41	−68.27	+21 54 40.3	....
19	σ Ophiuchi	9	23 6.38	− 0.22	−61.23	34 37 56.40	44.790	+ 1.09	+ 38.2	17 22 4.91	.....	+ 4 13 1.1	....
20	α Ophiuchi	9	31 48.88	− 0.24	−61.25	26 13 56.18	44.125	+ 1.09	+ 27.3	17 30 47.39	.....	+12 37 27.5	....
21	β Ophiuchi	9	40 5.06	− 0.22	−61.21	34 13 56.68	46.910	+ 1.09	+ 37.7	17 39 3.59	.....	+ 4 36 12.8	....
22	μ Herculis	9	43 59.76	− 0.29	−61.26	11 5 55.98	42.475	+ 1.09	+ 10.9	17 42 58.22	.....	+27 46 21.6	....
23	89 Herculis	9	52 50.93	− 0.28	−61.20	12 47 55.12	43.815	+ 1.09	+ 12.6	17 51 49.39	.....	+26 3 49.9	....
24	ν Ophiuchi	9	55 7.97	− 0.20	−61.30	48 35 57.22	45.980	+ 1.09	+1 2.8	17 54 6.51	.....	− 9 45 51.5	....
25	ο Herculis	9	5 5.57	− 0.30	−61.27	10 5 55.80	46.170	+ 1.09	+ 9.9	18 4 4.01	.....	+28 44 58.3	....
26	η Serpentis	9	17 42.84	− 0.21	−61.36	41 45 56.28	45.445	+ 1.09	+ 49.5	18 16 41.36	.....	− 2 55 25.1	....
27	109 Herculis	9	20 55.37	− 0.27	−61.24	17 7 56.00	43.985	+ 1.09	+ 17.1	18 19 53.83	.....	+21 43 40.9	....
	July 11, M.												
28	Mercury II, C	9	49 57.78	− 0.29	−61.48	15 7 54.10	47.039	+ 1.15	+ 14.6	6 48 56.01	− 0.19	+23 42 35.4	....
	July 12, M.												
29	Sun I, S	9	24 5.33	− 0.28	−61.50	17 3 51.82	46.760	+ 1.22	+ 16.6	7 23 3.55	+68.27	+21 46 41.8	....
30	Sun II, N	9	26 21.86	− 0.28	−61.50	16 31 50.30	48.205	+ 1.22	+ 16.1	7 25 20.08	−68.26	+22 18 11.3	....
	July 14, M.												
31	Sun I, S	6	32 14.69	− 0.26	−62.74	17 21 50.52	44.442	+ 1.39	+ 17.1	7 31 11.69	+68.01	+21 29 35.4	....
32	Sun II, N	9	34 30.71	− 0.26	−62.74	16 49 53.25	45.738	+ 1.39	+ 16.6	7 33 27.71	−68.01	+22 1 4.0	....
33	α Ursæ Minoris s. P.	9	27 33.93	+17.18	−62.89	307 41 55.60	45.242	+ 0.90	−1 10.1	1 26 48.22	.....	+88 49 19.8	....
34	Moon I, N	9	49 21.03	− 0.22	−62.90	47 55 55.62	44.117	+ 0.90	+1 0.4	13 48 17.91	+61.85	− 9 5 4.8	....
35	δ Herculis	9	12 25.33	− 0.30	−62.99	13 53 54.65	46.815	+ 0.90	+ 13.7	17 11 22.05	.....	+24 56 41.2	....
36	σ Ophiuchi	9	23 8.12	− 0.24	−62.95	34 37 55.25	44.850	+ 0.90	+ 38.1	17 22 4.89	.....	+ 4 13 1.1	....
37	α Ophiuchi	9	31 50.63	− 0.26	−62.98	26 13 55.42	44.162	+ 0.90	+ 27.2	17 30 47.38	.....	+12 37 27.5	....
38	β Ophiuchi	9	40 6.88	− 0.24	−63.01	34 13 55.78	47.005	+ 0.90	+ 37.6	17 39 3.64	.....	+ 4 36 11.8	....
39	89 Herculis	9	52 52.66	− 0.31	−62.91	12 47 53.08	43.940	+ 0.90	+ 12.6	17 51 49.35	.....	+26 3 49.5	....
40	ν Ophiuchi	9	55 9.73	− 0.22	−63.03	48 35 56.25	46.110	+ 0.90	+1 2.6	17 54 6.51	.....	− 9 45 53.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 1 28	29.792	74.4	73.7
6 23	29.836	86.6	86.4
9 7 14	29.834	88.0	88.0
16 19	29.814	82.5	81.3
17 12	29.818	81.3	80.2
17 55	29.810	80.6	79.3
18 18	......	....	79.1
18 57	29.800	79.8	78.7
10 6 41	29.950	86.5	86.1
11 7 22	29.950	87.7	87.0
17 23	29.950	77.4	74.7
17 38	......	....	74.1
17 49	......	....	74.1
18 15	......	....	73.3
18 52	29.938	75.6	74.2
6 50	29.958	87.9	87.9
12 7 26	29.958	88.1	88.2
14 7 35	29.970	82.1	80.1
13 28	29.892	82.2	81.2
13 49	29.890	81.2	80.2
17 12	29.884	75.8	74.4
17 40	......	....	74.1
17 55	29.884	74.8	73.7

Micrometer bisections are made at II, VI, except as noted below.

1, 33. Bisections at b_4, b_5, b_6.
2, 16, 28. Bisections at I, II, VI, VII.
3, 17, 29, 31. Bisections at I, II, III.
4, 18, 30, 32. Bisections at V, VI, VII.
20. Bisections at VI, VII.
23. Bisection at I.
34. Bisections at II, III, IV, V, VI.

Notes.

21, 22, 25, 26. Clouds.
26. Micrometer reading increased 1 rev.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 1.9	.. ....	0.0	+ 1.9
3	+ 2.4	−15 44.8	...	−15 42.4
4	+ 2.5	+15 44.8	...	+15 47.3
16	+ 1.8	.. ....	0.0	+ 1.8
17	+ 2.4	−15 45.9	...	−15 43.5
18	+ 2.5	+15 45.9	...	+15 48.4
28	+ 1.8	.. ....	0.0	+ 1.8
29	+ 2.5	+15 44.7	...	+15 47.2
30	+ 2.4	−15 44.7	...	−15 42.3
31	+ 2.6	+15 44.2	...	+15 46.8
32	+ 2.5	−15 44.3	...	−15 41.8
34	+40 11.6	−14 49.6	...	+25 22.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	72 Ophiuchi	9	4 10.33	− 0.25	**−63.05**	29 17 55.80	45.208	+ 0.90	+ 31.0	18 3 7.07	.....	+ 9 32 59.3	....
2	ο Herculis	9	5 7.31	− 0.32	**−62.99**	10 5 55.70	46.200	+ 0.90	+ 9.9	18 4 3.98	.....	+28 44 58.0	....
3	η Serpentis	9	17 44.59	− 0.23	**−63.08**	41 45 55.05	45.535	+ 0.90	+ 49.4	18 16 41.35	.....	− 2 55 25.6	....
4	3 H. Scuti	9	31 24.01	− 0.22	**−62.98**	47 7 55.40	47.922	+ 0.90	+ 59.6	18 30 20.77	.....	− 8 18 30.7	....
5	θ Serpentis	9	52 50.16	− 0.24	**−63.04**	34 45 54.20	44.638	+ 0.90	+ 38.5	18 51 46.89	.....	+ 4 5 6.6	....
6	ε Aquilæ	9	56 37.71	− 0.27	**−63.06**	23 53 55.00	46.275	+ 0.90	+ 24.6	18 55 34.41	.....	+14 56 42.3	....
	July 14, L.												
7	α Ursæ Minoris	9	28 5.89	−14.27	−63.30	310 3 56.20	43.355	+ 1.15	−1 5.7	1 26 48.32	.....	+88 49 17.7	....
	July 15, L.												
8	Sun I, S.	9	36 18.69	− 0.21	−63.44	17 29 52.98	47.232	+ 1.20	+ 17.1	7 35 15.04	+67.98	+21 20 29.3	....
9	Sun II, N	9	38 34.66	− 0.21	−63.44	16 57 53.08	48.705	+ 1.20	+ 16.5	7 37 31.01	−67.99	+21 51 56.7	....
10	α Ursæ Minoris s. p.	8	27 32.76	+17.52	−63.59	307 41 55.30	45.275	+ 0.83	−1 9.3	1 26 46.69	.....	+88 49 21.0	....
11	Moon I, N	9	34 41.74	− 0.23	−63.60	52 57 56.25	46.638	+ 0.83	+1 11.8	14 33 37.91	+62.89	−14 8 14.3	....
12	α Coronæ Borealis	9	31 58.18	− 0.33	**−63.60**	11 49 55.20	45.835	+ 0.83	+ 11.4	15 30 54.23	.....	+27 1 5.4	....
13	β Serpentis	9	43 7.51	− 0.28	**−63.55**	23 7 56.45	47.665	+ 0.83	+ 23.3	15 42 3.60	.....	+15 42 10.4	....
14	μ Serpentis	9	46 0.87	− 0.24	**−63.67**	41 59 55.10	45.475	+ 0.83	+ 48.9	15 44 57.00	.....	− 3 9 23.7	....
15	γ Serpentis	8	53 23.30	− 0.29	**−63.59**	22 53 57.18	44.758	+ 0.83	+ 23.0	15 52 19.38	.....	+15 57 16.2	....
16	ε Coronæ Borealis	9	54 57.35	− 0.33	**−63.68**	11 41 55.58	47.838	+ 0.83	+ 11.3	15 53 53.39	.....	+27 8 19.2	....
17	δ Ophiuchi	9	10 43.36	− 0.24	**−63.68**	42 17 56.45	46.661	+ 0.83	+ 49.5	16 9 39.48	.....	− 3 27 52.8	....
	July 19, L.												
18	α Ursæ Minoris s. p.	9	26 46.11	+12.21	− 6.13	307 41 48.80	45.690	+ 0.25	−1 11.1	1 26 52.19	.....	+88 49 21.6	....
19	σ Ophiuchi	9	22 11.30	− 0.16	− **6.22**	34 37 54.90	44.792	+ 0.18	+ 38.9	17 22 4.91	.....	+ 4 13 2.7	....
20	β Ophiuchi	9	39 9.97	− 0.17	− **6.17**	34 13 54.25	46.978	+ 0.18	+ 38.4	17 39 3.56	.....	+ 4 36 13.9	....
21	ν Ophiuchi	9	54 12.91	− 0.16	− **6.26**	48 35 55.08	46.062	+ 0.18	+1 4.0	17 54 6.50	.....	− 9 45 51.5	....
22	Moon I	9	0 31.66	− 0.18	− 6.25	65 56	......	....	. ....	18 0 25.23	+70.17	.. ..	....
23	η Serpentis	9	16 47.74	− 0.16	− **6.28**	41 45 54.48	45.460	+ 0.18	+ 50.4	18 16 41.32	.....	− 2 55 23.6	....
24	λ Sagittarii	9	22 33.98	− 0.18	− 6.26	64 17 54.95	45.146	+ 0.18	+1 56.7	18 22 27.54	.....	−25 28 23.1	....
25	3 H. Scuti	9	30 27.24	− 0.16	− **6.25**	47 7 54.65	47.890	+ 0.18	+1 0.8	18 30 20.82	.....	− 8 18 29.7	....
26	φ Sagittarii	9	40 11.09	− 0.18	− 6.27	65 53 56.00	46.535	+ 0.18	+2 5.6	18 40 4.64	.....	−27 5 4.8	....
27	θ Serpentis	9	51 53.31	− 0.16	− **6.25**	34 45 54.60	44.540	+ 0.18	+ 39.2	18 51 46.87	.....	+ 4 5 8.5	....
28	λ Aquilæ	9	1 37.13	− 0.16	− **6.32**	43 51 54.75	44.525	+ 0.18	+ 54.3	19 1 30.69	.....	− 5 1 6.4	....
29	d Sagittarii	9	12 31.17	− 0.17	− **6.34**	57 55 54.80	47.534	+ 0.18	+1 30.1	19 12 24.72	.....	−19 6 51.0	....
30	54 Sagittarii	9	35 43.02	− 0.17	− 6.29	55 19 53.80	45.708	+ 0.18	+1 21.6	19 35 36.56	.....	−16 29 59.8	....
31	Uranus C, C	9	40 14.65	− 0.17	− 6.30	60 47 54.45	47.918	+ 0.18	+1 40.9	19 40 8.18	.....	−21 59 10.2	....
	July 19, M.												
32	α Ursæ Minoris	9	27 8.89	− 8.97	− 6.35	310 3 56.42	43.382	− 0.22	−1 7.4	1 26 53.57	.....	+88 49 20.0	....
	July 20, M.												
33	Sun I, N	9	55 30.09	− 0.10	− 6.54	17 49 48.02	46.242	+ 0.58	+ 17.8	7 55 23.45	+67.66	+21 0 56.8	....
34	Sun II, S	9	57 45.41	− 0.10	− 6.54	18 21 54.12	44.678	+ 0.58	+ 18.4	7 57 38.77	−67.66	+20 29 26.4	....
35	δ Herculis	9	11 28.96	− 0.20	− **6.76**	13 53 51.88	46.915	− 0.02	+ 13.9	17 11 21.96	.....	+24 56 42.4	....
36	σ Ophiuchi	9	22 11.89	− 0.17	− **6.80**	34 37 52.95	44.948	− 0.02	+ 38.7	17 22 4.91	.....	+ 4 13 1.5	....
37	ξ Serpentis	9	32 35.16	− 0.16	− **6.89**	54 9 51.05	47.720	− 0.02	+1 17.5	17 32 28.19	.....	−15 20 38.7	....
38	β Ophiuchi	9	39 10.58	− 0.17	− **6.78**	34 13 52.28	47.132	− 0.02	+ 38.1	17 39 3.59	.....	+ 4 36 12.9	....
39	ν Ophiuchi	9	54 13.47	− 0.16	− **6.82**	48 35 52.82	46.202	− 0.02	+1 3.5	17 54 6.49	.....	− 9 45 51.8	....
40	γ Sagittarii	9	0 11.25	− 0.17	− 6.83	69 13 53.38	47.300	− 0.02	+2 27.0	18 0 4.25	.....	−30 25 40.9	....
41	ο Herculis	9	4 11.01	− 0.21	− **6.81**	10 5 52.20	46.330	− 0.02	+ 10.0	18 4 3.97	.....	+28 44 59.3	....
42	μ Sagittarii	9	8 32.28	− 0.16	− 6.83	59 53 52.70	47.930	− 0.02	+1 36.6	18 8 25.29	.....	−21 5 4.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
14 18 57	29.880	73.5	72.2
1 28	29.836	71.6	70.4
15 7 39	29.842	84.9	84.7
13 28	29.760	85.4	84.7
14 36	29.758	82.3	81.6
15 33	29.762	81.0	80.2
15 55	......	....	80.0
16 11	......	....	79.7
16 28	29.770	80.2	....
19 13 28	29.952	75.7	75.1
17 20	29.984	67.8	65.9
17 49	......	....	64.7
18 20	......	....	65.1
18 42	29.974	66.2	64.8
19 2	......	....	64.1
19 42	29.964	65.2	63.7
1 27	29.956	61.9	60.1
20 7 58	29.990	77.0	76.1
17 11	29.950	70.5	68.8
17 39	......	....	68.1
18 9	29.916	69.2	67.4

Micrometer bisections are made at II, VI, except as noted below.

1, 15.	Bisections at I, II.
2.	Bisections at II, VI, VII.
7, 10, 18, 32.	Bisections at b_4, b_5, b_6.
8, 33.	Bisections at I, II, III.
9, 34.	Bisections at V, VI, VII.
11.	Bisections at II, III, IV, V, VI.
16.	Bisections at I, II, VI.
17, 24, 26, 29, 31.	Bisections at I, II, VI, VII.

Notes.

13–17. Clouds.
15. Very faint at times.
17. Brightness varying.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 2.6	+15 43.7	...	+15 46.3
9	+ 2.5	−15 43.6	...	−15 41.1
11	+43 10.5	−14 48.2	...	+28 22.3
31	+ 0.4	.. ....	...	+ 0.4
33	+ 2.6	−15 45.2	...	−15 42.6
34	+ 2.7	+15 45.1	...	+15 47.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Serpentis	9	16 48.36	− 0.16	**− 6.90**	41 45 51.80	45.642	− 0.02	+ 50.1	18 16 41.37	.....	− 2 55 24.6	....
2	109 Herculis	9	20 0.85	− 0.19	**− 6.79**	17 7 52.60	44.108	− 0.02	+ 17.3	18 19 53.82	.....	+21 43 42.4	....
3	3 H. Scuti	9	30 27.85	− 0.16	**− 6.86**	47 7 53.52	47.998	− 0.02	+1 0.5	18 30 20.85	.....	− 8 18 30.5	....
4	φ Sagittarii	9	40 11.66	− 0.17	− 6.85	65 53 52.88	46.770	− 0.02	+2 5.0	18 40 4.64	.....	−27 5 6.3	....
5	θ Serpentis	9	51 53.95	− 0.16	**− 6.89**	34 45 53.45	44.600	− 0.02	+ 39.0	18 51 46.94	.....	+ 4 5 8.7	....
6	Moon I, S.	9	58 52.93	− 0.17	− 6.85	66 23 53.15	44.489	− 0.02	+2 8.0	18 58 45.91	+71.05	−27 34 17.5	....
7	ψ Sagittarii	9	10 11.06	− 0.17	− 6.86	64 13 53.18	46.310	− 0.02	+1 56.1	19 10 4.03	.....	−25 24 47.2	....
8	ω Aquilæ	9	13 44.71	− 0.17	**− 6.83**	27 23 52.15	48.215	− 0.02	+ 29.2	19 13 37.68	.....	+11 25 57.1	....
9	Uranus C, C.	9	40 5.03	− 0.16	− 6.87	60 49 53.08	43.831	− 0.02	+1 40.5	19 39 58.00	.....	−21 59 34.8	....
10	δ Sagittæ	9	43 31.72	− 0.18	**− 6.87**	20 31 52.10	46.620	− 0.02	+ 21.1	19 43 24.67	.....	+18 18 41.7	....
	July 20, P.												
11	α Ursæ Minoris	9	27 12.44	−10.81	− 7.08	310 3 52.88	43.545	+ 0.09	−1 7.2	1 26 54.55	.....	+88 49 19.3	....
	July 21, P.												
12	Sun I, S.	9	59 30.98	− 0.18	− 7.25	18 31 50.50	48.177	+ 0.44	+ 18.5	7 59 23.55	+67.60	+20 18 9.6	....
13	Sun II, N.	9	1 46.18	− 0.18	− 7.25	17 59 48.62	49.572	+ 0.44	+ 17.9	8 1 38.75	−67.60	+20 49 40.7	....
14	Mercury C, C.	9	12 10.44	− 0.18	− 7.26	17 7 53.30	44.765	+ 0.44	+ 16.9	8 12 3.00	0.00	+21 43 26.6	....
15	σ Ophiuchi	9	22 12.57	− 0.20	**− 7.46**	34 37 53.48	44.910	− 0.33	+ 38.5	17 22 4.87	.....	+ 4 13 2.4	....
16	ξ Serpentis	9	32 35.89	− 0.19	**− 7.59**	54 9 52.90	47.638	− 0.33	+1 17.1	17 32 28.19	.....	−15 20 38.0	....
17	β Ophiuchi	9	39 11.28	− 0.20	**− 7.45**	34 13 52.85	47.070	− 0.33	+ 38.0	17 39 3.57	.....	+ 4 36 14.1	....
18	ν Ophiuchi	9	54 14.19	− 0.18	**− 7.52**	48 35 53.95	46.162	− 0.33	+1 3.2	17 54 6.49	.....	− 9 45 51.4	....
19	γ Sagittarii	9	0 11.85	− 0.19	− 7.52	69 13 53.55	47.322	− 0.33	+2 26.3	18 0 4.14	.....	−30 25 40.5	....
20	μ Sagittarii	9	8 33.05	− 0.18	− 7.53	59 53 53.58	47.908	− 0.33	+1 36.1	18 8 25.34	.....	−21 5 3.7	....
21	η Serpentis	9	16 49.03	− 0.18	**− 7.55**	41 45 52.12	45.615	− 0.33	+ 49.9	18 16 41.32	.....	− 2 55 23.8	....
22	109 Herculis	9	20 1.58	− 0.22	**− 7.50**	17 7 49.50	44.235	− 0.33	+ 17.3	18 19 53.83	.....	+21 43 42.9	....
23	3 H. Scuti	9	30 28.55	− 0.18	**− 7.54**	47 7 53.62	47.985	− 0.33	+1 0.2	18 30 20.83	.....	− 8 18 29.7	....
24	φ Sagittarii	9	40 12.39	− 0.18	− 7.54	65 53 53.00	46.770	− 0.33	+2 4.5	18 40 4.67	.....	−27 5 5.7	....
25	110 Herculis	9	41 57.18	− 0.22	**− 7.57**	18 23 49.90	44.470	− 0.33	+ 18.6	18 41 49.42	.....	+20 27 35.8	....
26	θ Serpentis	9	51 54.66	− 0.18	**− 7.57**	34 45 52.68	44.650	− 0.33	+ 38.8	18 51 46.93	.....	+ 4 5 8.8	....
27	ζ Aquilæ	9	1 26.31	− 0.20	**− 7.53**	25 7 52.85	43.602	− 0.33	+ 26.2	19 1 18.56	.....	+13 43 45.1	....
28	ψ Sagittarii	9	10 11.77	− 0.18	− 7.55	64 13 53.72	46.275	− 0.33	+1 55.4	19 10 4.01	.....	−25 24 45.9	....
29	ω Aquilæ	9	13 45.44	− 0.19	**− 7.54**	27 23 52.72	48.182	− 0.33	+ 29.0	19 13 37.69	.....	+11 25 57.8	....
30	Uranus C, C.	9	39 55.68	− 0.17	− 7.57	60 49 54.12	44.848	− 0.33	+1 40.0	19 39 47.94	.....	−21 59 58.3	....
31	δ Sagittæ	9	43 32.45	− 0.20	**− 7.58**	20 31 54.32	46.475	− 0.33	+ 21.0	19 43 24.68	.....	+18 18 43.2	....
32	Moon I, S.	9	57 57.00	− 0.17	− 7.58	65 3 49.98	45.594	− 0.33	+2 0.0	19 57 49.25	+70.93	−26 14 31.2	....
33	Moon II	9	0 18.85	− 0.17	− 7.58	... .	......	....	. ....	20 0 11.10	−70.92	.. ..	....
	July 22, M.												
34	Sun I, S.	9	3 31.03	− 0.20	− 7.84	18 43 54.25	46.998	+ 0.39	+ 18.4	8 3 22.99	+67.49	+20 6 32.9	....
35	Sun II, N.	9	5 46.01	− 0.20	− 7.84	18 11 54.15	48.433	+ 0.39	+ 17.9	8 5 37.97	−67.49	+20 38 1.3	....
36	Mercury C, C.	9	21 0.57	− 0.20	− 7.85	17 33 52.68	43.708	+ 0.39	+ 17.2	8 20 52.52	0.00	+21 17 51.1	....
37	α Ursæ Minoris s. p.	9	26 48.11	+17.13	− 7.97	307 41 53.75	45.393	− 0.45	−1 9.5	1 26 57.27	.....	+88 49 20.7	....
38	σ Ophiuchi	9	22 13.14	− 0.23	**− 8.00**	34 37 52.32	45.025	− 0.42	+ 38.0	17 22 4.83	.....	+ 4 13 1.3	....
39	β Ophiuchi	9	39 11.88	− 0.23	**− 8.03**	34 13 51.78	47.205	− 0.42	+ 37.4	17 39 3.57	.....	+ 4 36 12.8	....
40	ν Ophiuchi	9	54 14.79	− 0.21	**− 8.10**	48 35 52.20	46.335	− 0.42	+1 2.3	17 54 6.49	.....	− 9 45 52.6	....
41	η Serpentis	9	16 49.69	− 0.22	**− 8.17**	41 45 50.48	45.792	− 0.42	+ 49.1	18 16 41.37	.....	− 2 55 25.3	....
42	3 H. Scuti	9	30 29.13	− 0.21	**− 8.08**	47 7 53.48	48.070	− 0.42	+ 59.3	18 30 20.81	.....	− 8 18 30.5	....
43	θ Serpentis	9	51 55.31	− 0.23	**− 8.17**	34 45 51.70	44.752	− 0.42	+ 38.2	18 51 46.96	.....	+ 4 5 8.1	....
44	ψ Sagittarii	9	10 12.35	− 0.21	− 8.13	64 13 51.98	46.488	− 0.42	+1 53.8	19 10 4.01	.....	−25 24 47.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 18 20	......	....	67.1
18 59	29.946	67.8	66.2
19 44	29.942	67.2	65.7
1 27	29.994	63.0	62.1
21 8 2	29.900	78.1	77.7
8 12	29.895	78.0	78.0
17 20	29.822	70.2	68.9
17 41	......	....	68.1
18 2	......	....	67.9
18 22	29.825	69.1	67.2
18 38	......	....	67.0
19 0	......	....	67.0
19 15	29.816	68.2	66.6
19 38	......	....	66.1
19 45	......	....	66.0
20 1	29.810	67.2	65.9
22 8 6	29.810	81.0	82.0
8 21	29.807	81.0	82.2
13 27	29.752	83.3	83.1
17 22	29.798	76.6	75.4
17 54	......	....	75.0
18 17	29.800	75.4	74.5
18 52	......	....	74.1

Micrometer bisections are made at II, VI, except as noted below.

6, 32. Bisections at II, III, IV, V, VI.
9, 14, 30, 36. Bisections at I, II, VI, VII.
11, 37. Bisections at b_4, b_5, b_6.
12, 34. Bisections at I, II, III.
13. Bisections at V, VII.
20. Bisections at II, VI, VII.
24. Bisections at I, II.
35. Bisections at V, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+51 10.9	+15 16.6	...	+66 27.5
9	+ 0.4	.. ....	...	+ 0.4
12	+ 2.7	+15 45.5	...	+15 48.2
13	+ 2.7	−15 45.6	...	−15 42.9
14	+ 1.9	.. ....	0.0	+ 1.9
30	+ 0.4	.. ....	...	+ 0.4
32	+51 10.0	+15 26.0	...	+66 36.0
34	+ 2.8	+15 44.1	...	+15 46.9
35	+ 2.7	−15 44.2	...	−15 41.5
36	+ 1.9	.. ....	0.0	+ 1.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ω Aquilæ	9	13 46.09	− 0.24	− 8.14	27 23 51.55	48.280	− 0.42	+ 28.6	19 13 37.72	.....	+11 25 57.3	....
2	β Cygni	9	27 16.12	− 0.30	− 8.14	11 5 50.15	43.208	− 0.42	+ 10.9	19 27 7.69	.....	+27 46 12.2	....
3	h Sagittarii	9	31 24.90	− 0.21	− 8.14	63 53 52.00	47.095	− 0.42	+1 52.2	19 31 16.55	.....	−25 4 59.6	....
4	Uranus C, C	9	39 46.09	− 0.21	− 8.14	60 49 50.85	46.198	− 0.42	+1 38.6	19 39 37.74	.....	−22 0 24.4	....
5	δ Sagittæ	9	43 33.09	− 0.26	− 8.15	20 31 51.40	46.682	− 0.42	+ 20.7	19 43 24.69	.....	+18 18 41.9	....
6	γ Sagittæ	9	54 55.87	− 0.27	− 8.15	19 35 51.08	46.378	− 0.42	+ 19.7	19 54 47.45	.....	+19 14 50.1	....
7	α² Capricorni	9	13 14.57	− 0.21	− 8.19	51 39 51.00	44.915	− 0.42	+1 9.7	20 13 6.21	.....	−12 49 26.4	....
8	π Capricorni	9	22 21.15	− 0.21	− 8.17	57 19 51.02	46.735	− 0.42	+1 26.0	20 22 12.78	.....	−18 30 24.2	....
9	ρ Capricorni	9	23 54.63	− 0.21	− 8.20	56 55 51.48	47.458	− 0.42	+1 24.7	20 23 46.26	.....	−18 6 39.7	....
10	32 Vulpeculæ	9	50 53.94	− 0.30	− 8.08	11 7 50.70	46.630	− 0.42	+ 10.9	20 50 45.47	.....	+27 42 53.5	....
11	Moon N	.	.. ..	.....	.....	61 41 52.32	48.628	− 0.63	+1 42.6	.. ..	.....	−22 53 22.7	....
12	Moon II, S	9	58 33.42	− 0.22	− 8.17	62 13 52.22	46.642	− 0.63	+1 44.8	20 58 25.03	−70.09	−23 24 44.4	....
	July 22, P.												
13	α Ursæ Minoris	9	27 18.44	−15.67	− 8.35	310 3 50.52	43.612	− 0.13	−1 6.0	1 26 54.42	.....	+88 49 19.1	....
	July 23, P.												
14	Uranus C, C	9	39 36.74	− 0.18	− 8.91	60 49 50.45	47.294	− 0.50	+1 38.4	19 39 27.65	.....	−22 0 48.7	....
15	α² Capricorni	9	13 15.27	− 0.18	− 8.91	51 39 50.30	44.900	− 0.50	+1 9.6	20 13 6.17	.....	−12 49 25.1	....
16	β Capricorni	9	16 8.96	− 0.18	− 8.92	53 53 47.50	46.098	− 0.50	+1 15.5	20 15 59.85	.....	−15 3 55.6	....
17	ρ Capricorni	9	23 55.30	− 0.18	− 8.89	56 55 49.30	47.568	− 0.50	+1 24.5	20 23 46.19	.....	−18 6 40.0	....
18	θ Capricorni	9	1 4.96	− 0.18	− 8.95	56 25 49.40	44.245	− 0.50	+1 22.9	21 0 55.83	.....	−17 35 22.5	....
19	ι Capricorni	9	17 25.83	− 0.18	− 8.99	56 3 49.18	43.290	− 0.50	+1 21.8	21 17 16.70	.....	−17 12 59.4	....
20	γ Capricorni	9	35 17.94	− 0.18	− 8.99	55 53 51.80	45.950	− 0.50	+1 21.4	21 35 8.80	.....	−17 4 2.4	....
21	δ Capricorni	9	42 15.99	− 0.18	− 8.95	55 21 50.55	46.090	− 0.50	+1 19.9	21 42 6.85	.....	−16 32 2.9	....
22	Moon II, N	9	54 57.81	− 0.18	− 8.97	57 31 49.18	48.606	− 0.50	+1 26.7	21 54 48.66	−68.78	−18 43 5.8	....
23	α Ursæ Minoris	9	27 22.17	−16.79	− 9.07	310 3 47.78	43.702	− 0.32	−1 5.6	1 26 56.31	.....	+88 49 19.6	....
	July 24, M.												
24	Uranus C, C	9	39 27.22	− 0.22	− 9.47	60 49 50.60	48.375	− 0.62	+1 37.7	19 39 17.53	.....	−22 1 12.8	....
25	α² Capricorni	9	13 15.90	− 0.22	− 9.49	51 39 49.42	45.012	− 0.62	+1 9.0	20 13 6.20	.....	−12 49 26.1	....
26	ρ Capricorni	9	23 55.93	− 0.22	− 9.46	56 55 49.48	47.590	− 0.62	+1 23.9	20 23 46.23	.....	−18 6 40.0	....
27	ι Capricorni	9	17 26.38	− 0.22	− 9.48	56 3 47.70	43.415	− 0.62	+1 21.2	21 17 16.65	.....	−17 13 0.1	....
28	δ Capricorni	9	42 16.62	− 0.22	− 9.52	55 21 48.38	46.248	− 0.62	+1 19.2	21 42 6.88	.....	−16 32 3.5	....
29	μ Capricorni	9	48 35.52	− 0.22	− 9.56	52 47 48.78	47.512	− 0.62	+1 12.1	21 48 25.78	.....	−13 58 25.7	....
30	ι Aquarii	9	1 46.70	− 0.22	− 9.54	53 7 49.95	47.005	− 0.62	+1 13.0	22 1 36.95	.....	−14 18 16.2	....
31	Moon II, N	9	49 14.26	− 0.23	− 9.55	52 17 50.08	47.256	− 0.62	+1 10.9	22 49 4.48	−67.51	−13 28 20.0	....
	July 25, P.												
32	Sun I, S	9	15 28.35	− 0.28	− 9.86	19 21 50.95	44.157	− 0.43	+ 18.9	8 15 18.21	+67.23	+19 29 41.4	....
33	Sun II, N	9	17 42.82	− 0.28	− 9.86	18 49 47.80	45.640	− 0.43	+ 18.3	8 17 32.68	−67.24	+20 1 11.9	....
34	σ Ophiuchi	8	22 15.21	− 0.23	−10.09	34 37 47.88	45.222	− 0.43	+ 37.3	17 22 4.86	.....	+ 4 13 2.1	....
35	α Ophiuchi	9	30 57.72	− 0.25	−10.12	26 13 48.72	44.491	− 0.43	+ 26.6	17 30 47.35	.....	+12 37 28.6	....
36	β Ophiuchi	9	39 13.93	− 0.23	−10.09	34 13 49.42	47.295	− 0.43	+ 36.8	17 39 3.57	.....	+ 4 36 13.7	....
37	89 Herculis	9	51 59.80	− 0.31	−10.09	12 47 48.75	44.095	− 0.43	+ 12.3	17 51 49.36	.....	+26 3 51.9	....
38	ο Herculis	9	4 14.39	− 0.32	−10.11	10 5 49.62	46.450	− 0.43	+ 9.7	18 4 3.93	.....	+28 44 59.8	....
39	η Serpentis	5	16 51.68	− 0.21	−10.17	41 45 49.52	45.870	− 0.43	+ 48.3	18 16 41.33	.....	− 2 55 25.1	....
40	109 Herculis	9	20 4.29	− 0.29	−10.14	17 7 48.65	44.315	− 0.43	+ 16.7	18 19 53.85	.....	+21 43 42.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 19 40	......	....	73.3
19 44	29.800	74.5	....
20 24	29.800	73.8	72.5
20 59	29.795	73.1	71.5
1 28	29.838	70.0	68.7
23 19 37	29.908	77.1	76.0
20 10	......	....	75.8
20 26	29.897	76.6	75.3
20 59	29.898	76.1	75.0
21 23	......	....	74.6
21 44	......	....	74.0
21 55	29.892	75.2	74.0
1 28	29.905	73.0	72.0
24 19 39	29.800	79.6	78.2
20 13	......	....	77.9
20 24	......	....	77.7
21 17	29.798	78.5	77.1
21 42	......	....	76.9
22 2	29.796	77.8	76.6
22 49	29.786	77.7	75.8
25 8 18	29.764	87.4	86.9
17 20	29.694	83.2	82.0
17 41	......	....	82.0
18 0	......	....	81.7
18 22	29.684	82.2	81.1

Micrometer bisections are made at II, VI, except as noted below.

4, 14, 24, 35. Bisections at I, II, VI, VII.
5, 9, 39. Bisections at VI, VII.
10. Bisections at II, VI, VII.
11, 32. Bisections at I, II, III.
12, 33. Bisections at V, VI, VII.
13, 23. Bisections at b_4, b_5, b_6.
22, 31. Bisections at II, III, IV, V, VI.

Note.

34, 35, 37, 39. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 0.4	.. ....	...	+ 0.4
11	+50 10.7	−15 33.6	+0.4	+34 37.5
12	+50 25.6	+15 33.6	...	+65 59.2
14	+ 0.4	.. ....	...	+ 0.4
22	+48 31.2	−15 43.9	...	+32 47.3
24	+ 0.4	.. ....	...	+ 0.4
31	+45 51.3	−15 51.6	...	+29 59.7
32	+ 2.9	+15 45.2	...	+15 48.1
33	+ 2.8	−15 45.2	...	−15 42.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	3 H. Scuti	9	30 31.27	− 0.20	**−10.23**	47 7 50.05	48.300	− 0.43	+ 58.3	18 30 20.92	.....	− 8 18 31.4	....
2	110 Herculis	9	41 59.83	− 0.28	**−10.17**	18 23 49.35	44.545	− 0.43	+ 18.0	18 41 49.39	.....	+20 27 35.4	....
3	θ Serpentis	9	51 57.33	− 0.23	**−10.19**	34 45 48.90	44.882	− 0.43	+ 37.6	18 51 46.94	.....	+ 4 5 8.6	....
4	Moon II, N	9	41 47.79	− 0.20	−10.29	46 17 47.10	46.289	− 0.64	+ 57.0	23 41 37.30	−66.68	− 7 27 41.0	....
5	α Ursæ Minoris	7	27 26.43	−17.58	−10.34	310 3 48.98	43.595	− 0.64	−1 4.7	1 26 58.51	.....	+88 49 20.2	....
	July 26, M.												
6	Sun I, N	9	19 26.12	− 0.27	−10.45	19 1 49.10	48.050	− 0.34	+ 18.5	8 19 15.40	+67.11	+19 48 14.6	....
7	Sun II, S	9	21 40.34	− 0.27	−10.45	19 33 49.05	46.760	− 0.34	+ 19.0	8 21 29.62	−67.11	+19 16 44.3	....
8	Mercury C, C	9	54 48.43	− 0.27	−10.47	19 33 50.85	45.910	− 0.05	+ 19.0	8 54 37.69	+ 0.01	+19 17 1.3	....
9	δ Herculis	9	11 32.96	− 0.33	**−10.68**	13 53 48.18	47.082	− 1.03	+ 13.6	17 11 21.96	.....	+24 56 43.5	....
10	σ Ophiuchi	9	22 15.82	− 0.27	**−10.66**	34 37 48.75	45.170	− 0.95	+ 37.7	17 22 4.88	.....	+ 4 13 2.6	....
11	α Ophiuchi	7	30 58.34	− 0.29	**−10.70**	26 13 49.92	44.415	− 0.89	+ 26.9	17 30 47.37	.....	+12 37 29.4	....
12	ν Ophiuchi	6	54 17.40	− 0.25	**−10.67**	48 35 50.82	46.388	− 0.71	+1 1.9	17 54 6.46	.....	− 9 45 51.7	....
13	ο Herculis	9	4 14.94	− 0.35	**−10.64**	10 5 49.28	46.445	− 0.64	+ 9.8	18 4 3.90	.....	+28 45 0.4	....
14	η Serpentis	9	16 52.32	− 0.25	**−10.77**	41 45 49.45	45.820	− 0.54	+ 48.7	18 16 41.37	.....	− 2 55 24.4	....
15	109 Herculis	9	20 4.82	− 0.32	**−10.65**	17 7 50.00	44.245	− 0.52	+ 16.9	18 19 53.80	.....	+21 43 42.8	....
16	θ Serpentis	9	51 57.94	− 0.27	**−10.75**	34 45 50.38	44.798	− 0.35	+ 37.9	18 51 46.96	.....	+ 4 5 8.6	....
17	ε Aquilæ	8	55 45.43	− 0.30	**−10.72**	23 53 50.20	46.465	− 0.35	+ 24.2	18 55 34.41	.....	+14 56 44.4	....
	July 26, P.												
18	Moon II, N	9	33 30.94	− 0.19	−10.92	39 51 50.80	44.266	− 0.25	+ 45.9	0 33 19.83	−66.55	− 1 0 47.8	....
19	α Ursæ Minoris	9	27 25.22	−15.67	−10.94	310 3 49.75	43.610	− 0.25	−1 5.4	1 26 58.61	.....	+88 49 19.5	....
	July 27, M.												
20	Moon II, N	9	25 34.01	− 0.18	−11.56	33 17 50.88	47.437	− 0.64	+ 36.4	1 25 22.27	−67.22	+ 5 32 9.6	....
21	α Ursæ Minoris	5	27 27.14	−13.39	−11.57	310 3 52.68	43.422	− 0.64	−1 5.5	1 27 2.18	.....	+88 49 21.2	....
	July 28, M.												
22	Sun I, S	9	27 20.09	− 0.24	−11.75	20 1 53.25	43.555	+ 0.28	+ 19.6	8 27 8.10	+66.95	+18 49 51.5	....
23	Sun II, N	9	29 33.99	− 0.24	−11.75	19 29 51.35	44.975	+ 0.28	+ 19.1	8 29 22.00	−66.95	+19 21 22.3	....
24	Mercury C, C	9	10 41.93	− 0.23	−11.77	20 43 52.52	44.451	+ 0.67	+ 20.4	9 10 29.93	+ 0.01	+18 7 30.8	....
25	δ Herculis	9	11 34.18	− 0.27	**−11.98**	13 53 50.42	46.938	+ 0.14	+ 13.6	17 11 21.91	.....	+24 56 43.4	....
26	σ Ophiuchi	9	22 17.09	− 0.22	**−11.99**	34 37 51.05	45.042	+ 0.14	+ 37.7	17 22 4.87	.....	+ 4 13 2.1	....
27	β Ophiuchi	9	39 15.81	− 0.22	**−11.99**	34 13 50.98	47.188	+ 0.14	+ 37.2	17 39 3.58	.....	+ 4 36 13.6	....
28	ν Ophiuchi	9	54 18.76	− 0.21	**−12.08**	48 35 50.90	46.360	+ 0.14	+1 2.0	17 54 6.53	.....	− 9 45 52.1	....
29	ο Herculis	9	4 16.25	− 0.29	**−12.02**	10 5 50.65	46.330	+ 0.14	+ 9.8	18 4 3.94	.....	+28 45 0.9	....
30	η Serpentis	9	16 53.64	− 0.22	**−12.12**	41 45 50.50	45.735	+ 0.14	+ 48.9	18 16 41.39	.....	− 2 55 24.4	....
31	109 Herculis	9	20 6.11	− 0.27	**−12.00**	17 7 49.62	44.205	+ 0.14	+ 16.9	18 19 53.81	.....	+21 43 43.4	....
32	3 H. Scuti	9	30 33.10	− 0.23	**−12.03**	47 7 50.40	48.180	+ 0.14	+ 59.0	18 30 20.84	.....	− 8 18 30.2	....
33	θ Serpentis	9	51 59.16	− 0.24	**−12.00**	34 45 50.85	44.750	+ 0.14	+ 38.1	18 51 46.88	.....	+ 4 5 8.6	....
34	ζ Aquilæ	9	1 30.87	− 0.25	**−12.03**	25 7 50.52	43.705	+ 0.14	+ 25.8	19 1 18.57	.....	+13 43 45.2	....
	July 28, P.												
35	α Ursæ Minoris	9	27 29.11	−13.77	−12.27	310 3 50.82	43.522	+ 0.14	−1 5.5	1 27 3.07	.....	+88 49 20.1	....
36	Moon II, N	9	19 13.42	− 0.19	−12.32	26 59 50.75	48.365	+ 0.14	+ 28.4	2 19 0.91	−68.67	+11 49 55.7	....
	July 29, P.												
37	Sun I, N	9	31 16.29	− 0.24	−12.49	19 43 51.98	44.572	+ 0.54	+ 19.5	8 31 3.56	+66.95	+19 7 29.3	....
38	Sun II, S	9	33 30.19	− 0.24	−12.49	20 15 52.32	43.363	+ 0.54	+ 20.0	8 33 17.46	−66.95	+18 35 56.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 18 44	....	....	81.0
18 55	29.678	82.0	80.8
23 42	29.650	78.1	77.0
1 27	29.656	76.6	75.3
26 8 22	29.700	88.2	88.2
8 55	29.680	89.3	89.4
17 12	29.666	78.2	76.4
17 45	....	....	76.4
18 17	29.650	77.8	76.1
18 56	29.654	77.8	76.6
0 34	29.646	73.2	72.3
1 27	29.654	71.8	69.8
27 1 27	29.516	69.3	66.8
28 8 30	29.600	82.2	82.5
9 11	29.610	82.8	83.2
17 12	29.688	78.1	77.1
17 39	....	....	76.5
18 4	29.688	76.3	75.1
18 31	....	....	75.2
18 59	29.700	75.2	74.1
1 27	29.700	71.0	70.0
2 20	29.712	69.8	68.2
29 8 34	29.756	82.2	81.3

Micrometer bisections are made at II, VI, except as noted below.

4, 18, 20, 36.	Bisections at II, III, IV, V, VI.
5, 19, 35.	Bisections at b$_4$, b$_5$, b$_6$.
6, 22, 37.	Bisections at I, II, III.
7, 38.	Bisections at V, VI, VII.
8, 24.	Bisections at I, II, VI, VII.
21.	Bisections at b$_5$, b$_6$, b$_7$.
23, 34.	Bisections at VI, VII.

Notes.

5, 10, 11, 16, 34.	Clouds.
9–17.	Conditions poor.
17.	Faint; poor.
21.	Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+42 10.1	−15 58.2	...	+26 11.9
6	+ 2.9	−15 45.1	...	−15 42.2
7	+ 2.9	+15 45.2	...	+15 48.1
8	+ 2.2	.. ....	0.0	+ 2.2
18	+37 34.2	−16 3.6	...	+21 30.6
20	+32 18.5	−16 7.7	...	+16 10.8
22	+ 2.9	+15 45.4	...	+15 48.3
23	+ 2.9	−15 45.4	...	−15 42.5
24	+ 2.3	.. ....	0.0	+ 2.3
36	+26 46.7	−16 10.6	...	+10 36.1
37	+ 2.9	−15 46.2	...	−15 43.3
38	+ 3.0	+15 46.3	...	+15 49.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury I, C	9	18 23.15	− 0.23	−12.51	21 19 52.32	45.768	− 0.04	+ 21.2	9 18 10.41	+ 0.18	+17 31 0.8	....
2	η Ophiuchi	9	5 27.94	− 0.19	**−12.82**	54 25 47.48	48.760	+ 0.02	+1 16.3	17 5 15.01	.....	−15 36 57.6	....
3	δ Herculis	9	11 34.93	− 0.27	**−12.74**	13 53 49.30	46.950	+ 0.04	+ 13.6	17 11 21.92	.....	+24 56 44.4	....
4	α Ophiuchi	9	31 0.29	− 0.23	**−12.73**	26 13 49.90	44.340	+ 0.12	+ 27.0	17 30 47.31	.....	+12 37 30.0	....
5	β Ophiuchi	9	39 16.53	− 0.22	**−12.72**	34 13 48.98	47.270	+ 0.15	+ 37.2	17 39 3.56	.....	+ 4 36 13.7	....
6	89 Herculis	9	52 2.31	− 0.27	**−12.67**	12 47 50.95	43.908	+ 0.20	+ 12.5	17 51 49.28	.....	+26 3 53.2	....
7	ν Ophiuchi	9	54 19.47	− 0.20	**−12.80**	48 35 50.55	46.355	+ 0.21	+1 2.1	17 54 6.51	.....	− 9 45 51.8	....
8	ο Herculis	9	4 16.93	− 0.28	**−12.72**	10 5 52.25	46.210	+ 0.25	+ 9.8	18 4 3.88	.....	+28 45 1.9	....
9	η Serpentis	9	16 54.29	− 0.20	**−12.79**	41 45 52.42	45.600	+ 0.30	+ 48.9	18 16 41.32	.....	− 2 55 23.4	....
10	109 Herculis	9	20 6.82	− 0.26	**−12.72**	17 7 49.68	44.180	+ 0.31	+ 16.9	18 19 53.79	.....	+21 43 43.7	....
11	3 H. Scuti	5	30 33.93	− 0.20	**−12.89**	47 8	......	....	.....	18 30 20.95	.....	− 8 18	....
	July 30, M.												
12	Sun I, N	9	35 11.75	− 0.23	−13.10	19 57 50.88	45.267	+ 0.41	+ 19.6	8 34 58.42	+66.76	+18 53 14.6	....
13	Sun II, S	9	37 25.26	− 0.23	−13.10	20 29 51.60	44.020	+ 0.41	+ 20.2	8 37 11.93	−66.75	+18 21 42.4	....
14	σ Ophiuchi	9	22 18.37	− 0.24	**−13.27**	34 37 50.22	45.060	− 0.31	+ 37.6	17 22 4.81	.....	+ 4 13 3.1	....
15	β Ophiuchi	9	39 17.13	− 0.24	**−13.31**	34 13 49.98	47.225	− 0.31	+ 37.1	17 39 3.57	.....	+ 4 36 14.3	....
16	ν Ophiuchi	9	54 20.09	− 0.22	**−13.40**	48 35 50.30	46.405	− 0.31	+1 1.8	17 54 6.54	.....	− 9 45 51.9	....
17	72 Ophiuchi	9	3 20.57	− 0.25	**−13.30**	29 17 49.50	45.452	− 0.31	+ 30.6	18 3 6.99	.....	+ 9 33 1.6	....
18	ο Herculis	9	4 17.55	− 0.31	**−13.32**	10 5 50.00	46.365	− 0.31	+ 9.8	18 4 3.91	.....	+28 45 1.2	....
19	η Serpentis	9	16 54.93	− 0.23	**−13.40**	41 45 49.22	45.788	− 0.31	+ 48.8	18 16 41.36	.....	− 2 55 23.8	....
20	3 H. Scuti	9	30 34.40	− 0.22	**−13.34**	47 7 50.50	48.175	− 0.31	+ 58.9	18 30 20.83	.....	− 8 18 29.7	....
21	θ Serpentis	9	52 0.53	− 0.24	**−13.37**	34 45 49.28	44.810	− 0.31	+ 38.0	18 51 46.93	.....	+ 4 5 9.3	....
22	ζ Aquilæ	9	1 32.18	− 0.26	**−13.33**	25 7 50.65	43.665	− 0.31	+ 25.7	19 1 18.56	.....	+13 43 46.4	....
	July 30, P.												
23	Moon II, N	9	15 32.46	− 0.17	−13.67	16 43 47.95	48.073	+ 0.31	+ 16.8	4 15 18.62	−72.93	+22 6 16.6	....
	July 31, P.												
24	Moon II	9	18 49.81	− 0.19	−14.35	13 50	......	....	.....	5 18 35.27	−74.68	.. ..	....
	August 1, P.												
25	Sun I, S	9	43 1.27	− 0.18	−14.45	20 57 53.05	47.490	− 0.16	+ 21.0	8 42 46.64	+66.68	+17 52 20.8	....
26	Sun II, N	9	45 14.63	− 0.18	−14.45	20 25 52.62	48.735	− 0.16	+ 20.4	8 45 0.00	−66.68	+18 23 54.0	....
27	Mercury I, C	9	40 26.55	− 0.18	−14.47	23 15 50.18	43.739	+ 0.24	+ 23.4	9 40 11.90	+ 0.18	+15 35 46.9	....
28	α Ursæ Minoris s. p.	9	27 6.00	+14.10	−14.58	307 41 50.42	45.643	− 0.18	−1 10.0	1 27 5.52	.....	+88 49 22.8	....
29	σ Ophiuchi	9	22 19.71	− 0.21	**−14.65**	34 37 51.30	44.975	− 0.32	+ 38.1	17 22 4.81	.....	+ 4 13 3.4	....
30	ξ Serpentis	9	32 43.06	− 0.20	**−14.80**	54 9 52.80	47.700	− 0.32	+1 16.4	17 32 28.17	.....	−15 20 38.6	....
31	β Ophiuchi	9	39 18.44	− 0.21	**−14.66**	34 13 53.05	47.028	− 0.32	+ 37.6	17 39 3.53	.....	+ 4 36 15.3	....
32	ν Ophiuchi	9	54 21.39	− 0.20	**−14.73**	48 35 54.12	46.190	− 0.32	+1 2.7	17 54 6.49	.....	− 9 45 51.7	....
33	72 Ophiuchi	9	3 21.92	− 0.21	**−14.71**	29 17 51.52	45.322	− 0.32	+ 31.1	18 3 7.00	.....	+ 9 33 2.3	....
34	η Serpentis	9	16 56.22	− 0.20	**−14.73**	41 45 53.12	45.580	− 0.32	+ 49.5	18 16 41.31	.....	− 2 55 23.6	....
35	109 Herculis	9	20 8.79	− 0.24	**−14.73**	17 7 49.75	44.162	− 0.32	+ 17.1	18 19 53.83	.....	+21 43 44.5	....
36	3 H. Scuti	7	30 35.73	− 0.20	**−14.70**	47 7 53.10	48.043	− 0.32	+ 59.7	18 30 20.81	.....	− 8 18 30.0	....
37	4 H. Scuti	9	37 37.97	− 0.20	**−14.65**	47 57 50.82	47.772	− 0.32	+1 1.4	18 37 23.05	.....	− 9 8 23.2	....
38	110 Herculis	9	42 4.34	− 0.24	**−14.73**	18 23 52.18	44.298	− 0.32	+ 18.5	18 41 49.37	.....	+20 27 37.6	....
	August 2, P.												
39	Sun I, N	9	46 55.18	− 0.22	−15.12	20 41 52.28	46.498	− 0.29	+ 20.6	8 46 39.84	+66.50	+18 8 44.7	....
40	Sun II, S	9	49 8.17	− 0.22	−15.12	21 13 51.78	45.345	− 0.29	+ 21.2	8 48 52.83	−66.49	+17 37 11.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 9 18	29.754	82.3	82.2
17 3	29.676	78.0	76.2
17 21	......	....	75.9
17 42	......	....	75.4
18 0	......	....	75.0
18 23	29.676	75.2	74.9
30 8 37	29.578	80.6	81.0
17 22	29.598	78.3	77.1
17 54	......	....	75.6
18 17	29.616	76.6	75.4
19 2	29.628	75.8	74.4
4 16	29.726	70.1	68.0
1 8 45	29.888	79.8	78.9
9 40	29.877	80.9	81.0
13 27	29.847	81.1	81.0
17 20	29.854	75.1	74.0
17 41	......	....	73.1
18 0	......	....	72.8
18 22	29.860	74.0	72.1
18 40	......	....	72.0
19 1	29.856	73.0	71.3
2 8 47	29.860	82.3	81.8

Micrometer bisections are made at II, VI, except as noted below.

1, 27. Bisections at I, II, VI, VII.
2, 36, 37. Bisections at II, VI, VII.
12, 25, 39. Bisections at I, II, III.
13, 26. Bisections at V, VI, VII.
17. Bisections at I, II.
23. Bisections at II, III, IV, V, VI.
28. Bisections at b_4, b_5, b_6.
40. Bisections at V, VII.

Notes.

2. Hazy; faint.
11, 32, 36. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.4	.. ....	0.0	+ 2.4
12	+ 2.9	−15 46.1	...	−15 43.2
13	+ 3.0	+15 46.0	...	+15 49.0
23	+16 57.6	−16 12.0	...	+ 0 45.6
25	+ 3.1	+15 46.5	...	+15 49.6
26	+ 3.0	−15 46.6	...	−15 43.6
27	+ 2.7	.. ....	− 0.1	+ 2.6
39	+ 3.0	−15 46.5	...	−15 43.5
40	+ 3.1	+15 46.4	...	+15 49.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury I, C.	9	47 28.15	− 0.22	−15.15	23 53 49.90	48.798	− 0.18	+ 24.0	9 47 12.78	+ 0.18	+14 55 51.4	....
	August 3, M.												
2	Sun I, S.	9	50 48.21	− 0.26	−15.73	21 27 51.22	49.078	− 0.55	+ 21.3	8 50 32.22	+66.46	+17 21 46.4	....
3	Sun II, N.	9	53 1.14	− 0.26	−15.73	20 55 51.00	50.348	− 0.55	+ 20.7	8 52 45.15	−66.47	+17 53 18.8	....
4	α Ursæ Minoris s. p.	9	27 6.28	+19.37	−15.86	307 41 54.02	45.457	− 0.81	−1 9.0	1 27 9.79	.....	+88 49 22.5	....
5	σ Ophiuchi	9	22 21.04	− 0.27	**−15.94**	34 37 49.48	45.142	− 1.04	+ 37.7	17 22 4.80	.....	+ 4 13 2.6	....
6	β Ophiuchi	9	39 19.73	− 0.27	**−15.90**	34 13 49.38	47.280	− 1.04	+ 37.2	17 39 3.48	.....	+ 4 36 14.3	....
7	ν Ophiuchi	9	54 22.73	− 0.25	**−16.04**	48 35 50.75	46.400	− 1.04	+1 1.9	17 54 6.50	.....	− 9 45 51.6	....
8	η Serpentis	9	16 57.57	− 0.26	**−16.03**	41 45 48.30	45.852	− 1.04	+ 48.8	18 16 41.32	.....	− 2 55 23.6	....
9	109 Herculis	9	20 10.14	− 0.32	**−16.01**	17 7 49.28	44.210	− 1.04	+ 16.9	18 19 53.83	.....	+21 43 44.8	....
10	3 H. Scuti	9	30 37.08	− 0.25	**−16.00**	47 7 50.10	48.225	− 1.04	+ 58.9	18 30 20.83	.....	− 8 18 29.7	....
11	110 Herculis	9	42 5.66	− 0.32	**−15.98**	18 23 49.10	44.475	− 1.04	+ 18.2	18 41 49.34	.....	+20 27 37.6	....
12	θ Serpentis	9	52 3.20	− 0.27	**−16.02**	34 45 49.38	44.820	− 1.04	+ 38.0	18 51 46.92	.....	+ 4 5 9.7	....
13	ε Aquilæ	9	55 50.72	− 0.30	**−16.02**	23 53 49.95	46.410	− 1.04	+ 24.3	18 55 34.41	.....	+14 56 46.5	....
14	ζ Aquilæ	9	1 34.89	− 0.30	**−16.01**	25 7 50.78	43.690	− 1.04	+ 25.7	19 1 18.58	.....	+13 43 46.4	....
	August 4, P.												
15	Sun I, N.	9	54 40.94	− 0.26	−16.43	21 13 50.62	44.282	− 0.93	+ 21.2	8 54 24.25	+66.42	+17 37 37.1	....
16	Sun II, S.	9	56 53.78	− 0.26	−16.43	21 45 50.42	43.180	− 0.93	+ 21.8	8 56 37.09	−66.42	+17 6 2.5	....
17	Mercury C, C.	8	1 3.10	− 0.26	−16.46	25 15 48.42	47.530	− 0.48	+ 25.6	10 0 46.38	+ 0.02	+13 34 21.3	....
18	α Ursæ Minoris s. p.	9	27 7.22	+16.98	−16.54	307 41 47.52	45.765	− 0.47	−1 8.8	1 27 7.66	.....	+88 49 23.6	....
19	η Ophiuchi	9	5 31.83	− 0.22	**−16.72**	54 25 48.88	48.785	− 0.98	+1 15.6	17 5 14.97	.....	−15 36 58.0	....
20	δ Herculis	9	11 38.83	− 0.32	**−16.66**	13 53 49.40	46.942	− 0.98	+ 13.4	17 11 21.86	.....	+24 56 45.7	....
21	α Ophiuchi	9	31 4.17	− 0.27	**−16.62**	26 13 49.70	44.370	− 0.98	+ 26.7	17 30 47.24	.....	+12 37 30.9	....
22	ξ Serpentis	9	32 44.94	− 0.22	**−16.68**	54 9 48.50	47.995	− 0.98	+1 14.9	17 32 28.06	.....	−15 20 38.9	....
23	μ Herculis	9	43 14.94	− 0.34	**−16.55**	11 3 46.60	48.033	− 0.98	+ 10.6	17 42 57.94	.....	+27 46 26.4	....
24	η Serpentis	9	16 58.17	− 0.23	**−16.66**	41 45 48.25	45.867	− 0.98	+ 48.3	18 16 41.26	.....	− 2 55 23.3	....
25	109 Herculis	9	20 10.73	− 0.30	**−16.63**	17 7 48.22	44.242	− 0.98	+ 16.7	18 19 53.75	.....	+21 43 45.3	....
26	3 H. Scuti	9	30 37.84	− 0.23	**−16.78**	47 7 50.20	48.282	− 0.98	+ 58.3	18 30 20.93	.....	− 8 18 30.7	....
27	4 H. Scuti	9	37 39.99	− 0.23	**−16.65**	47 57 50.65	47.865	− 0.98	+1 0.0	18 37 23.07	.....	− 9 8 23.1	....
28	110 Herculis	9	42 6.31	− 0.30	**−16.66**	18 23 48.55	44.485	− 0.98	+ 18.0	18 41 49.32	.....	+20 27 38.1	....
29	θ Serpentis	9	52 3.86	− 0.25	**−16.70**	34 45 48.72	44.840	− 0.98	+ 37.6	18 51 46.92	.....	+ 4 5 10.3	....
30	d Sagittarii	9	12 41.70	− 0.22	**−16.75**	57 55 49.35	48.022	− 0.98	+1 26.3	19 12 24.78	.....	−19 6 51.7	....
31	Uranus C, C.	9	38 46.71	− 0.22	−16.71	60 53 49.00	48.985	− 0.98	+1 37.2	19 37 29.78	.....	−22 5 24.2	....
	August 4, M.												
32	α Ursæ Minoris	9	27 41.00	−14.52	−16.82	310 3 53.35	43.380	− 1.38	−1 5.4	1 27 9.66	.....	+88 49 22.2	....
	August 5, M.												
33	Sun I, S.	9	58 32.87	− 0.23	−17.03	22 1 51.80	43.008	+ 0.08	+ 22.0	8 58 15.61	+66.27	+16 50 3.2	....
34	Sun II, N.	9	0 45.41	− 0.23	−17.03	21 29 52.58	44.203	+ 0.08	+ 21.4	9 0 28.15	−66.27	+17 21 36.4	....
35	Mercury C, C.	9	7 36.65	− 0.22	−17.07	25 57 52.72	45.688	+ 0.46	+ 26.3	10 7 19.36	+ 0.02	+12 52 56.7	....
36	δ Herculis	9	11 39.42	− 0.29	**−17.29**	13 54 5.32	46.228	+ 0.08	+ 13.6	17 11 21.87	.....	+24 56 44.8	....
37	σ Ophiuchi	9	22 22.30	− 0.24	**−17.24**	34 38 6.30	44.315	+ 0.13	+ 37.8	17 22 4.79	.....	+ 4 13 3.4	....
38	β Ophiuchi	9	39 21.02	− 0.24	**−17.23**	34 13 52.68	47.045	+ 0.20	+ 37.3	17 39 3.51	.....	+ 4 36 15.0	....
39	ν Ophiuchi	9	54 24.01	− 0.22	**−17.36**	48 35 54.75	46.122	+ 0.26	+1 2.2	17 54 6.51	.....	− 9 45 50.9	....
40	72 Ophiuchi	9	3 24.54	− 0.25	**−17.32**	29 17 52.60	45.235	+ 0.29	+ 30.9	18 3 7.00	.....	+ 9 33 2.8	....
41	μ Sagittarii	9	8 42.82	− 0.22	−17.29	59 53 52.68	47.992	+ 0.32	+1 34.8	18 8 25.31	.....	−21 5 4.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 9 47	29.852	83.9	84.0
3 8 53	29.847	85.6	86.0
13 27	29.762	87.7	87.3
17 22	29.770	79.8	78.2
18 20	29.760	78.7	77.2
19 2	29.752	78.3	76.8
4 8 55	29.640	78.8	76.2
10 1	29.605	80.8	79.8
13 27	29.558	85.2	85.0
17 3	29.564	80.0	78.9
17 20	......	....	79.0
17 40	......	....	79.1
17 50	29.584	79.9	79.0
18 23	......	....	79.9
18 45	......	....	79.5
19 14	29.598	79.0	79.0
19 39	29.606	78.9	78.9
1 28	29.636	70.6	69.2
5 9 1	29.696	80.8	80.0
10 8	29.680	82.8	82.8
17 12	29.680	76.3	75.7
17 39	......	....	75.3
18 9	29.700	74.5	72.8

Micrometer bisections are made at II, VI, except as noted below.

1, 31, 35. Bisections at I, II, VI, VII.
2, 15, 33. Bisections at I, II, III.
3. Bisections at V, VII.
4, 18, 32. Bisections at b_4, b_5, b_6.
16, 34. Bisections at V, VI, VII.
17. Bisections at VI, VII.
23, 24. Bisections at II, VI, VII.
26. Bisections at I, II.

Notes.

6, 11–14. Thick haze.
26. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.7	.. ....	− 0.1	+ 2.6
2	+ 3.2	+15 46.2	...	+15 49.4
3	+ 3.1	−15 46.1	...	−15 43.0
15	+ 3.1	−15 47.2	...	−15 44.1
16	+ 3.2	+15 47.3	...	+15 50.5
17	+ 2.9	.. ....	− 0.1	+ 2.8
31	+ 0.4	.. ....	...	+ 0.4
33	+ 3.2	+15 46.6	...	+15 49.8
34	+ 3.2	−15 46.6	...	−15 43.4
35	+ 3.0	.. ....	− 0.1	+ 2.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Serpentis	9	16 58.82	− 0.23	**−17.31**	41 45 53.40	45.538	+ 0.35	+ 49.2	18 16 41.30	.....	− 2 55 23.3	....
2	λ Sagittarii	9	22 45.11	− 0.23	−17.29	64 17 55.28	45.338	+ 0.37	+1 54.0	18 22 27.59	.....	−25 28 25.3	....
3	3 H. Scuti	9	30 38.35	− 0.23	**−17.30**	47 7 53.65	47.978	+ 0.41	+ 59.4	18 30 20.82	.....	− 8 18 29.5	....
4	φ Sagittarii	9	40 22.28	− 0.23	−17.30	65 53 53.92	46.835	+ 0.45	+2 2.8	18 40 4.75	.....	−27 5 7.1	....
5	θ Serpentis	9	52 4.44	− 0.24	**−17.29**	34 45 52.88	44.565	+ 0.49	+ 38.3	18 51 46.89	.....	+ 4 5 10.2	....
6	π Sagittarii	9	4 44.96	− 0.22	−17.31	59 59 53.88	45.282	+ 0.54	+1 35.3	19 4 27.43	.....	−21 10 4.2	....
7	β Cygni	9	27 25.26	− 0.30	**−17.27**	11 5 52.75	42.878	+ 0.60	+ 10.9	19 27 7.64	.....	+27 46 16.1	....
8	h Sagittarii	9	31 34.29	− 0.23	−17.33	63 53 54.58	46.957	+ 0.60	+1 52.4	19 31 16.73	.....	−25 5 0.3	....
9	Uranus C, C	7	37 37.87	− 0.22	−17.33	60 55 53.78	44.310	+ 0.60	+1 39.0	19 37 20.32	.....	−22 5 45.6	....
10	δ Sagittæ	9	43 42.30	− 0.26	**−17.32**	20 31 53.78	46.365	+ 0.60	+ 20.7	19 43 24.71	.....	+18 18 45.6	....
	August 5, L.												
11	α Ursæ Minoris	9	27 39.67	−13.72	−17.59	310 3 55.40	43.255	+ 0.02	−1 6.1	1 27 8.36	.....	+88 49 22.2	....
	August 6, L.												
12	Sun I, S	9	2 24.26	− 0.18	−17.84	22 17 56.15	43.507	+ 0.99	+ 22.2	9 2 6.24	+66.28	+16 33 46.3	....
13	Sun II, N	9	4 36.83	− 0.18	−17.84	21 45 55.55	44.628	+ 0.99	+ 21.6	9 4 18.81	−66.29	+17 5 22.6	....
14	Mercury C, C	9	14 1.97	− 0.17	−17.87	26 39 56.22	44.722	+ 0.33	+ 27.1	10 13 43.93	+ 0.03	+12 11 14.6	....
15	α Ursæ Minoris s. p.	9	27 12.56	+13.61	−17.99	307 41 52.98	45.503	+ 0.88	−1 8.9	1 27 8.18	.....	+88 49 24.3	....
16	σ Ophiuchi	9	22 23.03	− 0.21	**−18.01**	34 37 55.20	44.750	+ 0.59	+ 37.8	17 22 4.72	.....	+ 4 13 4.1	....
17	β Ophiuchi	9	39 21.82	− 0.21	**−18.07**	34 13 54.88	46.895	+ 0.64	+ 37.3	17 39 3.50	.....	+ 4 36 15.8	....
18	ν Ophiuchi	9	54 24.75	− 0.20	**−18.13**	48 35 56.15	46.045	+ 0.70	+1 2.1	17 54 6.43	.....	− 9 45 50.8	....
19	72 Ophiuchi	9	3 25.27	− 0.21	**−18.09**	29 17 55.65	45.070	+ 0.73	+ 30.8	18 3 6.94	.....	+ 9 33 3.1	....
20	η Serpentis	9	16 59.64	− 0.20	**−18.17**	41 45 54.72	45.418	+ 0.78	+ 49.1	18 16 41.31	.....	− 2 55 22.4	....
21	109 Herculis	9	20 12.14	− 0.24	**−18.11**	17 7 54.65	43.845	+ 0.79	+ 17.0	18 19 53.77	.....	+21 43 45.9	....
22	3 H. Scuti	9	30 39.20	− 0.20	**−18.18**	47 7 55.48	47.882	+ 0.83	+ 59.2	18 30 20.87	.....	− 8 18 29.3	....
23	110 Herculis	9	42 7.71	− 0.24	**−18.13**	18 23 54.82	44.078	+ 0.87	+ 18.3	18 41 49.33	.....	+20 27 39.0	....
24	θ Serpentis	9	52 5.28	− 0.21	**−18.16**	34 45 55.58	44.420	+ 0.90	+ 38.2	18 51 46.93	.....	+ 4 5 10.5	....
25	λ Aquilæ	9	1 49.01	− 0.20	**−18.12**	43 51 56.20	44.425	+ 0.93	+ 52.8	19 1 30.66	.....	− 5 1 4.8	....
26	π Sagittarii	9	4 45.68	− 0.20	−18.15	59 59 55.98	45.162	+ 0.95	+1 35.0	19 4 27.33	.....	−21 10 3.6	....
27	d Sagittarii	9	12 43.17	− 0.20	**−18.24**	57 55 55.00	47.599	+ 0.98	+1 27.7	19 12 24.82	.....	−19 6 51.0	....
28	κ Aquilæ	9	32 23.79	− 0.20	**−18.15**	46 3 55.78	45.752	+ 1.04	+ 57.2	19 32 5.43	.....	− 7 13 39.2	....
29	Uranus C, C	9	37 29.33	− 0.20	−18.17	60 55 55.78	45.159	+ 1.06	+1 38.9	19 37 10.96	.....	−22 6 7.3	....
30	f Sagittarii	9	41 27.85	− 0.20	−18.17	58 47 55.45	46.998	+ 1.07	+1 30.9	19 41 9.48	− 2.60	−19 58 41.1	− 1.5
31	θ Aquilæ	9	7 0.50	− 0.20	**−18.21**	39 55 57.50	45.222	+ 1.12	+ 46.2	20 6 42.12	.....	− 1 5 17.9	....
	August 9, L.												
32	Sun I, N	9	13 54.79	− 0.20	−19.86	22 35 57.75	45.128	+ 9.85	+ 22.9	9 13 34.73	+66.06	+16 14 58.1	....
33	Sun II, S	9	16 6.91	− 0.20	−19.86	23 8 2.80	43.957	+ 9.85	+ 23.5	9 15 46.85	−66.06	+15 43 19.9	....
34	Moon I	9	45 19.18	− 0.18	−19.93	40 38	......	....	....	12 44 59.07	+61.88	.. ..	....
35	α Ursæ Minoris s. p.	9	27 19.00	+12.60	−19.95	307 41 53.92	45.160	+ 9.58	−1 10.0	1 27 11.65	.....	+88 49 24.9	....
36	σ Ophiuchi	9	22 24.99	− 0.19	**−20.02**	34 37 55.05	44.360	+ 9.07	+ 38.2	17 22 4.74	.....	+ 4 13 4.3	....
37	β Ophiuchi	9	39 23.71	− 0.19	**−20.01**	34 13 54.48	46.518	+ 9.07	+ 37.7	17 39 3.45	.....	+ 4 36 16.0	....
38	ν Ophiuchi	9	54 26.66	− 0.19	**−20.07**	48 35 56.05	45.655	+ 9.07	+1 2.8	17 54 6.40	.....	− 9 45 50.9	....
39	72 Ophiuchi	9	3 27.20	− 0.20	**−20.06**	29 17 54.52	44.725	+ 9.07	+ 31.1	18 3 6.92	.....	+ 9 33 3.5	....
40	η Serpentis	9	17 1.57	− 0.19	**−20.13**	41 45 54.15	45.052	+ 9.07	+ 49.5	18 16 41.30	.....	− 2 55 22.0	....
41	109 Herculis	9	20 14.04	− 0.22	**−20.06**	17 7 54.05	43.460	+ 9.07	+ 17.1	18 19 53.73	.....	+21 43 46.9	....
42	3 H. Scuti	9	30 41.07	− 0.19	**−20.08**	47 7 54.42	47.518	+ 9.07	+ 59.8	18 30 20.79	.....	− 8 18 28.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 18 31	......	....	72.0
18 52	29.700	73.9	....
19 27	......	....	70.8
19 43	29.700	72.2	71.3
1 28	29.726	67.1	65.9
6 9 5	29.760	82.0	82.9
10 14	29.750	83.9	84.1
13 28	29.730	86.1	87.2
17 23	29.764	77.0	77.0
17 38	......	....	76.8
17 55	......	....	76.0
18 21	29.774	75.1	74.6
18 43	......	....	74.9
19 14	29.774	74.9	74.1
19 33	......	....	73.3
19 43	......	....	73.0
20 8	29.780	73.7	72.0
9 9 16	29.866	77.0	76.0
13 27	29.826	81.0	80.9
17 20	29.808	73.9	73.0
17 53	......	....	71.7
18 15	......	....	70.9
18 26	29.826	72.1	70.9
18 37	......	....	70.3

Micrometer bisections are made at II, VI, except as noted below.

8.	Bisections at I, II, VI.
9, 14, 26, 27, 29, 30.	Bisections at I, II, VI, VII.
11.	Bisections at b_3, b_4, b_5, b_6, b_7.
12, 32.	Bisections at I, II, III.
13, 33.	Bisections at V, VI, VII.
15.	Bisections at b_4, b_5, b_6.
20.	Bisections at I, II.
22.	Bisections at II, VI, VII.
35.	Bisections at b_3, b_4, b_5, b_6.

Notes.

8, 9, 11.	Clouds.
18, 21, 30.	Faint.
27.	Very unsteady and diffuse.
35.	Very unsteady and faint; clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 0.4	.. ....	...	+ 0.4
12	+ 3.3	+15 48.1	...	+15 51.4
13	+ 3.2	−15 48.1	...	−15 44.9
14	+ 3.1	.. ....	− 0.1	+ 3.0
29	+ 0.4	.. ....	...	+ 0.4
32	+ 3.3	−15 49.0	...	−15 45.7
33	+ 3.4	+15 49.1	...	+15 52.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	110 Herculis	9	42 9.69	− 0.21	**−20.16**	18 23 53.70	43.740	+ 9.07	+ 18.5	18 41 49.38	.....	+20 27 39.4	....
2	θ Serpentis	9	52 7.24	− 0.19	**−20.15**	34 45 54.65	44.020	+ 9.07	+ 38.6	18 51 46.95	.....	+ 4 5 12.0	....
	August 10, P.												
3	Sun S	.	.. ..	.....	.....	23 23 54.15	48.247	− 2.06	+ 23.8	9 18	.....	+15 26 1.5	....
4	Sun N	.	.. ..	.....	.....	22 51 54.40	49.405	− 2.06	+ 23.2	.. ..	.....	+15 57 36.1	....
5	α Ursæ Minoris s. p.	5	27 22.00	+15.36	−20.62	307 41 50.10	45.820	− 1.99	−1 9.6	1 27 16.74	.....	+88 49 25.0	....
6	Moon I, N	9	30 0.47	− 0.21	−20.63	45 57 55.72	44.211	− 1.99	+ 56.0	13 29 39.63	+61.84	− 7 6 59.7	....
7	σ Ophiuchi	9	22 25.70	− 0.21	**−20.72**	34 37 50.70	45.080	− 2.48	+ 37.9	17 22 4.75	.....	+ 4 13 4.0	....
8	β Ophiuchi	9	39 24.39	− 0.21	**−20.68**	34 13 50.60	47.210	− 2.48	+ 37.4	17 39 3.43	.....	+ 4 36 15.9	....
9	ν Ophiuchi	9	54 27.37	− 0.19	**−20.79**	48 35 50.78	46.422	− 2.48	+1 2.4	17 54 6.43	.....	− 9 45 51.2	....
10	η Serpentis	9	17 2.26	− 0.20	**−20.81**	41 45 51.35	45.728	− 2.48	+ 49.2	18 16 41.30	.....	− 2 55 22.7	....
11	3 H. Scuti	9	30 41.79	− 0.19	**−20.80**	47 7 49.72	48.235	− 2.48	+ 59.4	18 30 20.83	.....	− 8 18 28.6	....
12	θ Serpentis	9	52 7.86	− 0.21	**−20.76**	34 45 50.82	44.745	− 2.48	+ 38.3	18 51 46.87	.....	+ 4 5 11.1	....
	August 10, L.												
13	α Ursæ Minoris	9	27 48.61	−10.70	−21.02	310 3 53.70	43.463	− 2.36	−1 6.3	1 27 16.89	.....	+88 49 21.9	.....
	August 11, L.												
14	Sun I, S	9	21 32.34	− 0.17	−21.24	23 41 53.48	47.195	− 1.57	+ 24.0	9 21 10.93	+65.80	+15 8 25.5	....
15	Sun II, N	9	23 43.94	− 0.17	−21.24	23 9 53.45	48.278	− 1.57	+ 23.4	9 23 22.53	−65.80	+15 40 2.1	....
16	Mercury C, C	9	44 3.26	− 0.16	−21.27	30 9 37.85	48.276	− 1.74	+ 31.6	10 43 41.83	+ 0.04	+ 8 40 9.3	....
17	α Ursæ Minoris s. p.	8	27 21.99	+15.12	−21.34	307 41 47.55	45.941	− 1.65	−1 9.6	1 27 15.77	.....	+88 49 25.5	...
18	Moon I, N	9	15 4.88	− 0.23	−21.36	51 11 51.32	47.353	− 1.65	+1 7.3	14 14 43.29	+62.53	−12 22 18.7	....
19	σ Ophiuchi	9	22 26.38	− 0.21	**−21.41**	34 37 51.40	45.020	− 2.32	+ 38.0	17 22 4.72	.....	+ 4 13 4.4	....
20	ξ Serpentis	9	32 49.72	− 0.20	**−21.54**	54 9 50.80	47.845	− 2.32	+1 16.1	17 32 28.06	.....	−15 20 37.8	....
21	ν Ophiuchi	9	54 28.07	− 0.20	**−21.48**	48 35 52.00	46.355	− 2.32	+1 2.4	17 54 6.40	.....	− 9 45 51.1	....
22	72 Ophiuchi	9	3 28.62	− 0.22	**−21.48**	29 17 51.42	45.355	− 2.32	+ 30.9	18 3 6.93	.....	+ 9 33 3.8	....
23	4 H. Scuti	9	37 44.71	− 0.20	**−21.43**	47 57 53.72	47.705	− 2.32	+1 1.2	18 37 23.02	.....	− 9 8 22.4	....
24	110 Herculis	9	42 11.02	− 0.24	**−21.47**	18 23 51.05	44.378	− 2.32	+ 18.4	18 41 49.29	.....	+20 27 39.0	....
25	ζ Aquilæ	9	1 40.27	− 0.22	**−21.50**	25 7 51.68	43.612	− 2.32	+ 25.9	19 1 18.55	.....	+13 43 48.4	....
	August 12, P.												
26	Sun I, N	9	25 20.19	− 0.21	−21.86	23 27 51.38	47.853	− 1.85	+ 23.8	9 24 58.12	+65.73	+15 22 13.0	....
27	Sun II, S	9	27 31.65	− 0.21	−21.86	23 59 51.85	46.913	− 1.85	+ 24.4	9 27 9.58	−65.73	+14 50 34.2	....
28	α Ursæ Minoris s. p.	8	27 24.15	+14.44	−21.99	307 41 47.80	45.977	− 1.87	−1 10.6	1 27 16.60	.....	+88 49 25.5	....
29	α Herculis	9	10 56.62	− 0.24	**−22.07**	24 21 47.82	44.420	− 2.64	+ 25.1	17 10 34.29	.....	+14 29 34.9	....
30	σ Ophiuchi	9	22 27.03	− 0.22	**−22.06**	34 37 47.90	45.198	− 2.64	+ 38.3	17 22 4.71	.....	+ 4 13 3.8	....
31	α Ophiuchi	9	31 9.52	− 0.23	**−22.09**	26 13 48.05	44.448	− 2.64	+ 27.3	17 30 47.19	.....	+12 37 31.8	....
32	η Serpentis	9	17 3.59	− 0.21	**−22.15**	41 45 52.25	45.668	− 2.64	+ 49.6	18 16 41.26	.....	− 2 55 22.5	....
33	109 Herculis	9	20 16.11	− 0.26	**−22.12**	17 7 52.02	44.053	− 2.64	+ 17.1	18 19 53.73	.....	+21 43 47.1	....
34	3 H. Scuti	9	30 43.13	− 0.20	**−22.14**	47 7 52.90	48.105	− 2.64	+ 59.8	18 30 20.80	.....	− 8 18 29.1	....
35	110 Herculis	9	42 11.70	− 0.25	**−22.15**	18 23 52.42	44.315	− 2.64	+ 18.5	18 41 49.32	.....	+20 27 39.3	....
36	θ Serpentis	9	52 9.25	− 0.22	**−22.15**	34 45 51.52	44.705	− 2.64	+ 38.6	18 51 46.89	.....	+ 4 5 11.2	....
	August 13, L.												
37	Sun I, S	9	29 7.56	− 0.23	−22.58	24 17 55.90	46.798	− 1.47	+ 24.9	9 28 44.75	+65.55	+14 32 31.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 18 54	29.820	71.1	69.2
10 9 20	29.784	75.0	74.7
13 28	29.747	82.0	82.0
17 20	29.754	76.6	76.0
17 42	....	....	75.0
18 0	29.780	75.2	74.0
18 20	....	....	73.2
18 36	....	....	72.6
18 54	29.784	73.8	72.3
1 28	29.788	66.2	64.9
11 9 24	29.876	80.0	80.0
10 44	29.874	82.0	82.5
13 27	29.862	85.0	84.6
14 15	29.854	83.3	84.0
17 23	29.880	76.9	76.0
17 55	....	....	75.7
18 4	29.888	76.1	75.3
18 45	....	....	74.1
19 3	29.894	75.1	74.2
12 9 28	29.956	80.5	79.3
13 27	29.937	79.5	78.5
17 8	29.940	75.0	73.4
17 45	29.950	74.0	72.8
18 23	....	....	72.5
18 45	....	....	72.0
18 54	29.941	73.5	72.0

Micrometer bisections are made at II, VI, except as noted below.

3, 14, 26. Bisections at I, II, III.
4, 15, 27. Bisections at V, VI, VII.
5. Bisections at b_5, b_6, b_7.
6, 18. Bisections at II, III, IV, V, VI.
13, 28. Bisections at b_4, b_5, b_6.
16. Bisections at I, II, VI, VII.
17. Bisections at b_3, b_4, b_5, b_6, b_7.
20. Bisections at I, II.
33. Bisections at II, VI, VII.
37. Bisections at II, III.

Notes.

17. Very unsteady.
19, 21–24, 28–36. Through clouds.
20. Diffuse.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 3.4	+15 47.3	...	+15 50.7
4	+ 3.4	−15 47.3	...	−15 43.9
6	+39 5.4	−14 53.5	...	+24 11.9
14	+ 3.5	+15 48.2	...	+15 51.7
15	+ 3.4	−15 48.3	...	−15 44.9
16	+ 3.7	.. ....	− 0.2	+ 3.5
18	+42 13.1	−14 49.6	...	+27 23.5
26	+ 3.5	−15 49.4	...	−15 45.9
27	+ 3.5	+15 49.4	...	+15 52.9
37	+ 3.6	+15 47.8	...	+15 51.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Read-ing.	Zenith Pt. Corr.	Refrac-tion.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, N............	9	31 18.66	– 0.23	–22.58	23 45 55.82	47.918	– 1.47	+ 24.3	9 30 55.85	–65.55	+15 4 6.9	....
2	Moon I.............	9	50 18.76	– 0.21	–22.73	60 18	......	....	. ....	15 49 55.82	+65.68	.. ..	....
3	η Ophiuchi.............	9	5 37.79	– 0.21	**–22.79**	54 25 55.68	48.432	– 2.78	+1 17.4	17 5 14.82	.....	–15 36 56.7	....
4	σ Ophiuchi.............	9	22 27.74	– 0.22	**–22.78**	34 37 55.38	44.825	– 2.66	+ 38.3	17 22 4.75	.....	+ 4 13 4.9	....
5	ξ Serpentis.............	9	32 50.98	– 0.21	**–22.81**	54 9 55.00	47.625	– 2.59	+1 16.7	17 32 27.99	.....	–15 20 37.1	....
6	β Ophiuchi.............	9	39 26.42	– 0.22	**–22.73**	34 13 55.58	46.960	– 2.54	+ 37.8	17 39 3.42	.....	+ 4 36 16.3	....
7	ν Ophiuchi.............	9	54 29.37	– 0.21	**–22.81**	48 35 55.95	46.125	– 2.43	+1 2.9	17 54 6.39	.....	– 9 45 50.2	....
8	72 Ophiuchi.............	9	3 29.93	– 0.23	**–22.80**	29 17 55.80	45.135	– 2.37	+ 31.2	18 3 6.91	.....	+ 9 33 4.2	....
9	η Serpentis.............	9	17 4.20	– 0.21	**–22.77**	41 45 56.20	45.478	– 2.27	+ 49.6	18 16 41.19	.....	– 2 55 22.5	....
10	4 H. Scuti.............	9	37 46.07	– 0.21	**–22.79**	47 57 50.20	47.825	– 2.12	+1 1.7	18 37 23.05	.....	– 9 8 22.4	....
11	110 Herculis.............	9	42 12.37	– 0.25	**–22.83**	18 23 46.88	44.505	– 2.09	+ 18.5	18 41 49.31	.....	+20 27 40.1	....
12	θ Serpentis.............	9	52 9.93	– 0.22	**–22.84**	34 45 56.92	44.415	– 2.02	+ 38.6	18 51 46.90	.....	+ 4 5 11.8	....
13	ε Aquilæ.............	9	55 57.35	– 0.24	**–22.76**	23 53 56.08	46.092	– 1.99	+ 24.7	18 55 34.29	.....	+14 56 48.2	....
	August 16, P.												
14	α Ursæ Minoris s. p.	7	27 28.91	+15.84	–24.69	307 41 49.10	45.968	– 2.20	–1 10.7	1 27 20.06	.....	+88 49 26.1	....
15	σ Ophiuchi.............	9	22 29.67	– 0.22	**–24.75**	34 37 48.35	45.120	– 2.46	+ 38.3	17 22 4.65	.....	+ 4 13 5.0	....
16	ξ Serpentis.............	9	32 52.98	– 0.20	**–24.86**	54 9 47.15	48.003	– 2.46	+1 16.8	17 32 27.97	.....	–15 20 38.1	....
17	β Ophiuchi.............	9	39 28.43	– 0.22	**–24.78**	34 13 51.28	47.145	– 2.46	+ 37.8	17 39 3.40	.....	+ 4 36 16.3	....
18	ν Ophiuchi.............	9	54 31.37	– 0.20	**–24.83**	48 35 52.55	46.290	– 2.46	+1 3.0	17 54 6.35	.....	– 9 45 50.6	....
19	γ Sagittarii.............	9	0 29.07	– 0.21	–24.82	69 13 51.45	47.538	– 2.46	+2 25.6	18 0 4.04	.....	–30 25 40.5	....
20	δ Sagittarii.............	9	15 41.50	– 0.21	–24.83	68 41 52.32	43.627	– 2.46	+2 21.5	18 15 16.46	.....	–29 52 7.8	....
21	η Serpentis.............	9	17 6.27	– 0.21	**–24.86**	41 45 49.80	45.708	– 2.46	+ 49.6	18 16 41.23	.....	– 2 55 21.1	....
22	λ Sagittarii.............	9	22 52.47	– 0.20	–24.83	64 17 52.88	45.520	– 2.46	+1 55.0	18 22 27.44	.....	–25 28 25.3	....
23	3 H. Scuti.............	9	30 45.81	– 0.20	**–26.85**	47 7 52.25	48.085	– 2.46	+ 59.9	18 30 20.78	.....	– 8 18 28.2	....
24	Moon I, S.............	9	34 4.76	– 0.21	–24.83	66 37 52.45	44.556	– 2.46	+2 7.9	18 33 39.72	+70.89	–27 48 15.8	....
25	θ Serpentis.............	9	52 11.88	– 0.22	**–24.80**	34 45 51.45	44.660	– 2.46	+ 38.6	18 51 46.82	.....	+ 4 5 12.1	....
	August 18, P.												
26	Sun I, S.............	9	47 55.38	– 0.22	–25.93	25 51 54.38	46.137	– 2.01	+ 27.0	9 47 29.23	+65.26	+12 58 46.2	....
27	Sun II, N.............	7	50 5.90	– 0.22	–25.93	25 19 51.70	47.315	– 2.01	+ 26.4	9 49 39.75	–65.26	+13 30 23.3	....
28	Mercury I, C.............	9	20 50.84	– 0.20	–25.97	35 1 49.98	46.329	– 1.67	+ 38.6	11 20 24.67	+ 0.20	+ 3 48 34.7	....
29	α Ursæ Minoris s. p.	6	27 33.77	+13.32	–26.02	307 41 49.02	45.983	– 1.77	–1 10.4	1 27 21.07	.....	+88 49 27.2	....
30	σ Ophiuchi.............	9	22 31.01	– 0.21	**–26.12**	34 37 49.05	45.120	– 2.22	+ 38.2	17 22 4.67	.....	+ 4 13 4.2	....
31	α Ophiuchi.............	9	31 13.44	– 0.22	**–26.10**	26 13 47.72	44.442	– 2.22	+ 27.3	17 30 47.08	.....	+12 37 31.7	....
32	ξ Serpentis.............	9	32 54.28	– 0.20	**–26.18**	54 9 46.02	48.065	– 2.22	+1 16.6	17 32 27.94	.....	–15 20 38.2	....
33	β Ophiuchi.............	9	39 29.70	– 0.21	**–26.08**	34 13 48.92	47.238	– 2.22	+ 37.7	17 39 3.35	.....	+ 4 36 16.4	....
34	ν Ophiuchi.............	9	54 32.68	– 0.20	**–26.16**	48 35 49.32	46.460	– 2.22	+1 2.7	17 54 6.33	.....	– 9 45 51.2	....
35	72 Ophiuchi.............	8	3 33.21	– 0.22	**–26.14**	29 17 48.25	45.470	– 2.22	+ 31.1	18 3 6.84	.....	+ 9 33 3.9	....
36	η Serpentis.............	9	17 7.59	– 0.20	**–26.21**	41 45 47.12	45.880	– 2.22	+ 49.5	18 16 41.23	.....	– 2 55 22.5	....
37	θ Serpentis.............	9	52 13.23	– 0.21	**–26.18**	34 45 51.45	44.641	– 2.22	+ 38.5	18 51 46.84	.....	+ 4 5 12.4	....
38	d Sagittarii.............	9	12 51.09	– 0.20	**–26.20**	57 55 52.35	47.845	– 2.22	+1 28.3	19 12 24.71	.....	–19 6 51.4	....
39	α^2 Capricorni.............	7	13 32.73	– 0.20	**–26.21**	51 40	......	....	. ....	20 13 6.32	.....	–12 49	....
	August 19, L.												
40	Sun I, N.............	9	51 39.30	– 0.21	–26.66	25 39 50.00	45.698	– 1.68	+ 26.3	9 51 12.43	+65.20	+13 11 1.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 9 31	29.990	78.9	77.9
17 6	29.946	74.9	73.7
17 23	......	....	73.3
17 40	......	....	73.0
17 55	......	....	72.7
18 4	29.955	73.7	72.6
18 38	......	....	71.8
18 47	......	....	71.3
19 2	29.944	72.4	71.1
16 13 27	29.810	77.9	75.0
17 20	29.858	73.5	71.1
17 40	......	....	71.0
18 2	......	....	71.0
18 20	29.874	72.5	71.0
18 38	29.876	73.0	70.9
18 54	......	....	70.9
19 13	29.890	72.5	....
18 9 50	30.042	74.8	73.1
11 21	30.016	79.0	78.5
13 28	29.962	80.0	79.6
17 20	29.925	75.5	74.0
17 42	......	....	73.8
18 0	......	....	73.8
18 20	29.942	74.4	73.5
18 54	29.940	74.0	73.1
19 14	29.930	74.0	73.0

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at V, VI, VII.
11. Bisection at VI.
14. Bisections at b_3, b_4, b_5.
20. Bisections at II, VI, VII.
24. Bisections at II, III, IV, V, VI.
25. Bisections at II, VII.
26, 40. Bisections at I, II, III.
27. Bisections at V, VII.
28, 37. Bisections at I, II, VI, VII.
29. Bisections at b_4, b_5, b_6.
31. Bisections at I, II.
32. Bisections at VI, VII.
35. Bisection at II.

Note.
14, 16, 24, 25, 29, 35, 37, 39. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.5	–15 47.8	...	–15 44.3
24	+51 4.0	+15 12.9	...	+66 16.9
26	+ 3.8	+15 48.5	...	+15 52.3
27	+ 3.7	–15 48.5	...	–15 44.8
28	+ 4.5	.. ....	– 0.3	+ 4.2
40	+ 3.7	–15 50.0	...	–15 46.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ' "	r	"	' "	h m s	s	° ' "	"
1	Sun II, S.	9	53 49.70	− 0.21	−26.66	26 11 52.95	44.703	− 1.68	+ 26.9	9 53 22.83	−65.20	+12 39 20.9	....
2	σ Ophiuchi	9	22 31.70	− 0.20	−26.83	34 37 51.88	44.965	− 2.54	+ 38.3	17 22 4.63	.....	+ 4 13 5.1	....
3	α Ophiuchi	9	31 14.17	− 0.21	−26.85	26 13 52.58	44.205	− 2.54	+ 27.3	17 30 47.09	.....	+12 37 32.7	....
4	β Ophiuchi	9	39 30.46	− 0.20	−26.86	34 13 51.75	47.130	− 2.54	+ 37.8	17 39 3.38	.....	+ 4 36 16.3	....
5	ν Ophiuchi	9	54 33.34	− 0.19	−26.84	48 35 53.30	46.250	− 2.54	+1 2.9	17 54 6.27	.....	− 9 45 50.2	....
6	72 Ophiuchi	9	3 33.91	− 0.20	−26.87	29 17 51.88	45.298	− 2.54	+ 31.2	18 3 6.82	.....	+ 9 33 4.6	....
7	η Serpentis	9	17 8.28	− 0.19	−26.92	41 45 51.60	45.655	− 2.54	+ 49.6	18 16 41.20	.....	− 2 55 21.7	....
8	109 Herculis	9	20 20.72	− 0.23	−26.83	17 7 52.08	44.035	− 2.54	+ 17.2	18 19 53.59	.....	+21 43 47.2	....
9	110 Herculis	9	42 16.36	− 0.23	−26.90	18 23 51.38	44.292	− 2.54	+ 18.5	18 41 49.22	.....	+20 27 40.7	....
10	θ Serpentis	9	52 13.94	− 0.20	−26.91	34 45 52.35	44.622	− 2.54	+ 38.6	18 51 46.83	.....	+ 4 5 12.2	....
11	λ Aquilæ	9	1 57.78	− 0.19	−26.96	43 51 52.80	44.665	− 2.54	+ 53.4	19 1 30.67	.....	− 5 1 4.1	....
12	32 Vulpeculæ	9	51 12.89	− 0.24	−26.92	11 7 52.10	46.298	− 2.64	+ 11.0	20 50 45.68	.....	+27 43 1.7	....
13	θ Capricorni	9	1 23.36	− 0.18	−27.09	56 25 52.48	44.084	− 2.64	+1 24.0	21 0 56.21	.....	−17 35 20.9	....
14	ν Aquarii	9	5 11.38	− 0.18	−27.02	50 33 54.58	46.595	− 2.64	+1 7.9	21 4 44.23	.....	−11 44 4.3	....
15	ι Capricorni	9	17 44.16	− 0.18	−27.01	56 3 52.45	43.093	− 2.64	+1 22.9	21 17 17.00	.....	−17 12 57.0	....
16	ζ Capricorni	9	22 1.94	− 0.18	−26.98	61 37 53.95	44.804	− 2.64	+1 43.2	21 21 34.78	.....	−22 47 58.0	....
17	β Aquarii	9	27 19.02	− 0.18	−26.96	44 47 55.45	46.665	− 2.64	+ 55.5	21 26 51.86	.....	− 5 57 54.4	....
18	Moon I, S.	9	30 0.24	− 0.18	−26.98	59 55 53.62	44.075	− 2.64	+1 36.3	21 29 33.08	+69.88	−21 5 34.2	....
19	γ Capricorni	9	35 36.31	− 0.18	−27.00	55 53 54.15	45.796	− 2.64	+1 22.5	21 35 9.14	.....	−17 4 0.2	....
	August 20, P.												
20	Sun I, N.	9	55 22.76	− 0.21	−27.27	25 59 55.85	44.362	− 1.95	+ 26.9	9 54 55.28	+65.14	+12 51 25.3	....
21	Sun II, S.	9	57 33.03	− 0.21	−27.27	26 31 54.60	43.647	− 1.95	+ 27.5	9 57 5.55	−65.13	+12 19 43.1	....
22	Mercury I, C.	9	30 18.69	− 0.23	−27.32	36 21 56.80	46.684	− 2.35	+ 40.4	11 29 51.14	+ 0.21	+ 2 28 18.6	....
23	α Ursæ Minoris s. p.	9	27 39.33	+13.42	−27.37	307 41 51.80	45.850	− 2.35	−1 10.5	1 27 25.38	.....	+88 49 26.3	....
24	σ Ophiuchi	9	22 32.32	− 0.22	−27.45	34 37 51.30	45.022	− 2.62	+ 38.3	17 22 4.62	.....	+ 4 13 4.4	....
25	α Ophiuchi	9	31 14.78	− 0.24	−27.45	26 13 49.90	44.338	− 2.62	+ 27.4	17 30 47.06	.....	+12 37 32.4	....
26	β Ophiuchi	9	39 31.08	− 0.22	−27.48	34 13 49.95	47.208	− 2.62	+ 37.9	17 39 3.38	.....	+ 4 36 16.2	....
27	ν Ophiuchi	9	54 34.02	− 0.21	−27.51	48 35 51.80	46.340	− 2.62	+1 3.1	17 54 6.32	.....	− 9 45 50.9	....
28	72 Ophiuchi	9	3 34.53	− 0.23	−27.47	29 17 49.62	45.410	− 2.62	+ 31.3	18 3 6.80	.....	+ 9 33 4.2	....
29	η Serpentis	9	17 8.87	− 0.22	−27.49	41 45 51.20	45.672	− 2.62	+ 49.8	18 16 41.15	.....	− 2 55 21.8	....
30	3 H. Scuti	9	30 48.47	− 0.22	−27.53	47 7 50.75	48.182	− 2.62	+1 0.1	18 30 20.74	.....	− 8 18 29.0	....
31	θ Serpentis	6	52 14.52	− 0.22	−27.48	34 45 49.65	44.758	− 2.62	+ 38.8	18 51 46.79	.....	+ 4 5 11.6	....
32	32 Vulpeculæ	9	51 13.50	− 0.28	−27.49	11 7 48.48	46.448	− 2.63	+ 11.1	20 50 45.65	.....	+27 43 1.8	....
33	β Aquarii	9	27 19.67	− 0.22	−27.57	44 47 48.62	46.988	− 2.63	+ 55.7	21 26 51.86	.....	− 5 57 55.2	....
34	δ Capricorni	9	42 35.10	− 0.22	−27.64	55 21 49.32	46.125	− 2.63	+1 21.2	21 42 7.28	.....	−16 32 1.6	....
35	μ Capricorni	9	48 53.98	− 0.21	−27.65	52 47 49.32	47.420	− 2.63	+1 14.0	21 48 26.17	.....	−13 58 24.0	....
36	ι Aquarii	9	2 5.21	− 0.21	−27.66	53 7 47.88	47.005	− 2.63	+1 14.9	22 1 37.39	.....	−14 18 14.0	....
37	θ Aquarii	9	12 35.58	− 0.21	−27.67	47 3 50.42	46.215	− 2.63	+1 0.4	22 12 7.76	.....	− 8 13 44.0	....
38	Moon N.	.	.. ..	.....	.....	54 23 53.60	46.908	− 2.63	+1 18.4	.. ..	.....	−15 34 17.3	....
39	Moon II, S.	9	28 23.19	− 0.22	−27.62	54 55 53.83	47.040	− 2.63	+1 20.0	22 27 55.35	−68.65	−16 6 29.6	....
	August 21, L.												
40	η Pegasi	9	39 17.79	− 0.22	−28.32	9 5 53.52	45.988	− 2.83	+ 9.1	22 38 49.23	.....	+29 45 9.5	....
41	α Pegasi	9	0 47.47	− 0.18	−28.35	24 7 54.00	44.545	− 2.83	+ 25.2	23 0 18.94	.....	+14 43 25.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 9 54	29.842	78.1	78.4
17 23	29.808	72.1	70.8
17 38	......	....	70.7
17 55	......	....	70.8
18 16	29.820	71.1	70.1
18 50	......	....	70.1
19 2	29.838	70.9	70.0
20 51	29.840	69.0	68.1
21 6	......	....	67.7
21 21	......	....	67.4
21 32	......	....	67.1
21 36	29.848	67.9	67.1
20 9 58	29.906	77.1	76.1
11 30	29.902	78.7	77.8
13 28	29.877	78.1	78.0
17 20	29.866	73.0	71.4
17 41	......	....	70.1
18 0	......	....	69.5
18 20	29.877	71.0	68.9
18 54	29.880	70.0	68.0
20 49	29.900	68.9	67.1
21 26	......	....	66.3
21 51	29.910	68.0	66.0
22 15	......	....	65.8
22 29	29.906	67.2	65.5
21 22 37	29.922	67.2	65.9
23 1	......	....	65.3

Micrometer bisections are made at II, VI, except as noted below.

1, 21, 39.	Bisections at V, VI, VII.
13, 14, 16, 19, 22.	Bisections at I, II, VI, VII.
15.	Bisections at II, VI, VII.
18.	Bisections at II, III, IV, V, VI.
20, 38.	Bisections at I, II, III.
23.	Bisections at b_4, b_5, b_6.
31.	Bisections at I, VII.

Note.

2–19, 31. Thin clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	' "	' "	"	' "
1	+ 3.8	+15 50.0	...	+15 53.8
18	+49 57.1	+15 47.4	...	+65 44.5
20	+ 3.8	−15 51.1	...	−15 47.3
21	+ 3.9	+15 51.0	...	+15 54.9
22	+ 4.8	.. ....	− 0.4	+ 4.4
38	+47 25.8	−15 57.0	+ 0.9	+31 29.7
39	+47 45.0	+15 57.0	...	+63 42.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	φ Aquarii	9	10 10.76	− 0.17	**−28.42**	45 21 54.52	46.450	− 2.83	+ 57.0	23 9 42.23	.....	− 6 31 49.8	....
2	ψ³ Aquarii	9	14 47.88	− 0.17	−28.36	48 55 56.32	46.345	− 2.83	+1 4.6	23 14 19.35	− 2.47	−10 5 56.9	−14.6
3	Moon II, N	9	22 38.84	− 0.17	−28.36	48 27 55.95	46.484	− 2.83	+1 3.6	23 22 10.31	−67.65	− 9 37 58.7	....
4	i¹ Aquarii	9	40 3.21	− 0.17	**−28.40**	57 35 54.95	46.330	− 2.83	+1 28.7	23 39 34.67	.....	−18 46 19.2	....
5	33 Piscium	9	1 14.61	− 0.17	**−28.37**	45 3 55.20	42.698	− 2.83	+ 56.5	0 0 46.06	.....	− 6 12 24.3	....
6	ι Ceti	9	15 21.46	− 0.17	**−28.43**	48 9 55.50	44.220	− 2.83	+1 3.1	0 14 52.90	.....	− 9 19 6.0	....
7	ζ Andromedæ	9	43 4.52	− 0.20	**−28.31**	15 3 52.92	46.605	− 2.83	+ 15.3	0 42 35.92	.....	+23 46 49.8	....
8	θ Ceti	9	20 2.04	− 0.17	**−28.40**	47 29 54.80	42.908	− 2.83	+1 1.6	1 19 33.45	.....	− 8 38 33.8	....
9	α Ursæ Minoris	7	28 5.29	−11.18	−28.42	310 3 53.78	43.353	− 2.83	−1 6.8	1 27 25.69	.....	+88 49 25.3	....
	August 22, P.												
10	Sun I, S	9	2 48.28	− 0.18	−28.62	27 9 51.35	48.372	− 2.60	+ 28.3	10 2 19.48	+65.00	+11 39 57.4	....
11	Sun II, N	9	4 58.28	− 0.18	−28.62	26 37 55.02	49.127	− 2.60	+ 27.7	10 4 29.48	−65.00	+12 11 37.9	....
12	Mercury I, C	9	39 18.59	− 0.20	−28.66	37 39 48.42	47.435	− 2.43	+ 42.4	11 38 49.73	+ 0.21	+ 1 10 7.9	....
13	σ Ophiuchi	9	22 33.64	− 0.22	**−28.79**	34 37 50.02	45.095	− 2.92	+ 38.3	17 22 4.59	.....	+ 4 13 4.4	....
14	α Ophiuchi	9	31 16.12	− 0.23	**−28.82**	26 13 49.05	44.410	− 2.92	+ 27.3	17 30 47.05	.....	+12 37 32.0	....
15	β Ophiuchi	9	39 32.41	− 0.22	**−28.83**	34 13 48.82	47.285	− 2.92	+ 37.8	17 39 3.35	.....	+ 4 36 16.0	....
16	ν Ophiuchi	9	54 35.41	− 0.21	**−28.92**	48 35 50.10	46.440	− 2.92	+1 2.9	17 54 6.35	.....	− 9 45 51.0	....
17	72 Ophiuchi	9	3 35.90	− 0.23	**−28.87**	29 17 50.48	45.390	− 2.92	+ 31.2	18 3 6.82	.....	+ 9 33 4.2	....
18	η Serpentis	9	17 10.19	− 0.21	**−28.84**	41 45 50.55	45.758	− 2.92	+ 49.6	18 16 41.12	.....	− 2 55 22.6	....
19	3 H. Scuti	9	30 49.82	− 0.21	**−28.91**	47 7 50.20	48.235	− 2.92	+ 59.9	18 30 20.74	.....	− 8 18 29.1	....
20	θ Serpentis	9	52 15.92	− 0.22	**−28.90**	34 45 49.62	44.780	− 2.92	+ 38.6	18 51 46.82	.....	+ 4 5 11.7	....
21	Moon II, N	9	15 44.32	− 0.21	−29.03	41 55 48.88	48.162	− 2.98	+ 50.4	0 15 15.08	−67.22	− 3 6 16.7	....
22	44 Piscium	9	21 18.78	− 0.21	**−29.05**	37 23 48.35	45.940	− 2.98	+ 42.9	0 20 49.54	.....	+ 1 26 42.4	....
23	12 Ceti	9	25 58.17	− 0.21	**−28.99**	43 17 50.80	44.633	− 2.98	+ 52.8	0 25 28.93	.....	− 4 27 0.2	....
24	δ Piscium	9	44 32.07	− 0.22	**−29.04**	31 45 49.00	42.994	− 2.98	+ 34.7	0 44 2.81	.....	+ 7 5 57.0	....
25	20 Ceti	9	48 55.80	− 0.21	**−29.04**	40 27 48.75	46.822	− 2.98	+ 47.8	0 48 26.55	.....	− 1 37 43.1	....
26	ε Piscium	9	58 47.55	− 0.22	**−29.02**	31 25 48.52	46.658	− 2.98	+ 34.2	0 58 18.28	.....	+ 7 24 34.3	....
27	α Ursæ Minoris	9	28 5.78	−13.34	−29.06	310 3 51.78	43.377	− 2.98	−1 6.2	1 27 23.38	.....	+88 49 26.3	....
28	α Trianguli	9	48 28.08	− 0.27	**−29.05**	9 41 48.62	47.760	− 2.98	+ 9.6	1 47 58.74	.....	+29 8 33.3	....
29	β Arietis	8	50 11.10	− 0.25	**−29.08**	18 27 48.90	48.115	− 2.98	+ 18.8	1 49 41.78	.....	+20 22 16.0	....
	August 23, L.												
30	Sun I, S	9	6 30.44	− 0.19	−29.36	27 31 50.85	43.637	− 2.34	+ 28.6	10 6 0.89	+64.91	+11 19 45.6	....
31	Sun II, N	9	8 40.27	− 0.19	−29.36	26 59 50.58	44.487	− 2.34	+ 27.9	10 8 10.72	−64.92	+11 51 27.9	....
32	σ Ophiuchi	9	22 34.39	− 0.24	**−29.54**	34 37 52.78	44.945	− 2.84	+ 38.2	17 22 4.58	.....	+ 4 13 5.1	....
33	α Ophiuchi	9	31 16.87	− 0.25	**−29.57**	26 13 53.12	44.195	− 2.84	+ 27.3	17 30 47.05	.....	+12 37 32.7	....
34	β Ophiuchi	9	39 33.16	− 0.24	**−29.58**	34 13 52.62	47.110	− 2.84	+ 37.7	17 39 3.34	.....	+ 4 36 16.2	....
35	ν Ophiuchi	9	54 36.10	− 0.23	**−29.61**	48 35 53.80	46.272	− 2.84	+1 2.8	17 54 6.29	.....	− 9 45 50.8	....
36	72 Ophiuchi	9	3 36.59	− 0.24	**−29.56**	29 17 52.28	45.305	− 2.84	+ 31.1	18 3 6.76	.....	+ 9 33 4.4	....
37	η Serpentis	9	17 10.97	− 0.23	**−29.62**	41 45 52.48	45.650	− 2.84	+ 49.6	18 16 41.15	.....	− 2 55 22.1	....
38	109 Herculis	9	20 23.42	− 0.27	**−29.55**	17 7 52.30	43.995	− 2.84	+ 17.2	18 19 53.55	.....	+21 43 48.2	....
39	3 H. Scuti	9	30 50.56	− 0.23	**−29.64**	47 7 52.70	48.100	− 2.84	+ 59.8	18 30 20.73	.....	− 8 18 28.5	....
40	110 Herculis	9	42 19.09	− 0.27	**−29.64**	18 23 51.55	44.285	− 2.84	+ 18.5	18 41 49.21	.....	+20 27 41.0	....
41	θ Serpentis	9	52 16.67	− 0.24	**−29.64**	34 45 53.08	44.592	− 2.84	+ 38.6	18 51 46.82	.....	+ 4 5 12.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 23 23	......	.....	64.6
23 38	29.910	66.1	64.1
0 2	......	....	63.9
0 16	......	....	63.2
0 44	29.900	64.9	63.1
1 29	......	....	63.0
1 51	29.887	64.2	....
22 10 5	29.940	75.9	76.3
11 39	29.928	78.0	78.0
17 20	29.902	74.0	72.8
17 42	......	....	72.1
18 0	......	....	72.0
18 20	29.914	73.1	71.8
18 36	......	....	71.2
18 54	29.915	72.9	71.1
0 16	29.990	69.3	67.9
0 38	......	....	67.6
1 2	29.892	69.1	67.6
1 29	......	....	67.3
1 53	29.902	68.4	67.0
23 10 7	29.952	79.6	79.2
17 23	29.924	76.0	74.3
17 40	......	....	73.7
17 55	......	....	73.0
18 16	29.930	74.1	72.1
18 31	......	....	72.0
18 53	29.938	73.2	71.3

Micrometer bisections are made at II, VI, except as noted below.

3, 21. Bisections at II, III, IV, V, VI.
9, 27. Bisections at b_4, b_5, b_6.
10, 30. Bisections at I, II, III.
11, 31. Bisections at V, VI, VII.
12, 24. Bisections at I, II, VI, VII.
22, 25. Bisections at VI, VII.
23, 29. Bisections at II, VI, VII.
28. Bisections at I, II.

Notes.

5, 9, 13–29. Clouds.
21. Circle reading increased 10′.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+44 1.3	−16 5.9	...	+27 55.4
10	+ 4.0	+15 50.2	...	+15 54.2
11	+ 3.9	−15 50.2	...	−15 46.3
12	+ 5.1	.. ....	− 0.4	+ 4.7
21	+39 31.1	−16 11.6	...	+23 19.5
30	+ 4.0	+15 51.1	...	+15 55.1
31	+ 3.9	−15 51.1	...	−15 47.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	33 Piscium	9	1 16.08	− 0.20	**−29.77**	45 1 52.45	48.088	− 2.66	+ 56.0	0 0 46.12	.....	− 6 12 24.4	....
2	γ Pegasi	9	9 8.21	− 0.23	**−29.76**	24 9 51.85	45.265	− 2.66	+ 25.1	0 8 38.22	.....	+14 41 11.6	....
3	ζ Andromedæ	9	43 6.03	− 0.25	**−29.73**	15 3 50.08	46.732	− 2.66	+ 15.1	0 42 36.00	.....	+23 46 49.8	....
4	20 Ceti	9	48 56.61	− 0.21	**−29.82**	40 27 52.92	46.612	− 2.66	+ 47.8	0 48 26.62	.....	− 1 37 42.9	....
5	ε Piscium	9	58 48.29	− 0.22	**−29.74**	31 25 51.55	46.518	− 2.66	+ 34.3	0 58 18.29	.....	+ 7 24 34.0	....
6	Moon II, N	9	8 38.79	− 0.21	−29.79	35 11 53.80	48.135	− 2.66	+ 39.5	1 8 8.79	−67.53	+ 3 37 49.6	....
7	f Piscium	9	13 41.37	− 0.21	−29.79	35 41 51.85	45.942	− 2.66	+ 40.2	1 13 11.37	.....	+ 3 8 41.0	....
8	θ Ceti	9	20 3.57	− 0.20	**−29.85**	47 29 52.40	43.005	− 2.66	+1 1.0	1 19 33.58	.....	− 8 38 33.2	....
9	α Ursæ Minoris	8	28 8.54	−12.86	−29.80	310 3 52.32	43.378	− 2.66	−1 6.2	1 27 25.88	.....	+88 49 25.4	....
10	ζ Ceti	9	47 33.01	− 0.20	**−29.81**	49 37 53.88	42.465	− 2.66	+1 5.7	1 47 3.00	.....	−10 46 27.0	....
11	ξ Piscium	9	49 25.53	− 0.21	**−29.74**	36 5 52.92	45.425	− 2.66	+ 40.8	1 48 55.51	.....	+ 2 44 51.3	....
	August 24, P.												
12	σ Ophiuchi	9	22 34.99	− 0.24	**−30.15**	34 37 48.70	45.170	− 3.16	+ 38.1	17 22 4.51	.....	+ 4 13 4.4	....
13	α Ophiuchi	9	31 17.52	− 0.26	**−30.22**	26 13 48.00	44.470	− 3.16	+ 27.2	17 30 47.02	.....	+12 37 32.0	....
14	β Ophiuchi	9	39 33.81	− 0.24	**−30.24**	34 13 47.50	47.360	− 3.16	+ 37.5	17 39 3.33	.....	+ 4 36 16.2	....
15	ν Ophiuchi	9	54 36.78	− 0.23	**−30.30**	48 35 48.30	46.565	− 3.16	+1 2.5	17 54 6.30	.....	− 9 45 51.4	....
16	72 Ophiuchi	9	3 37.32	− 0.25	**−30.30**	29 17 48.10	45.500	− 3.16	+ 31.0	18 3 6.81	.....	+ 9 33 4.6	....
17	η Serpentis	9	17 11.65	− 0.23	**−30.31**	41 45 48.45	45.852	− 3.16	+ 49.3	18 16 41.16	.....	− 2 55 22.1	....
18	3 H. Scuti	9	30 51.18	− 0.23	**−30.27**	47 7 51.48	48.218	− 3.16	+ 59.6	18 30 20.68	.....	− 8 18 29.5	....
19	θ Serpentis	9	52 17.28	− 0.24	**−30.26**	34 45 48.65	44.820	− 3.16	+ 38.4	18 51 46.76	.....	+ 4 5 12.1	....
20	α Ursæ Minoris	9	28 11.56	−14.82	−30.47	310 3 52.82	43.307	− 2.65	−1 6.3	1 27 26.27	.....	+88 49 26.6	....
	August 25, L.												
21	Sun I, N	9	13 53.39	− 0.24	−30.75	27 39 50.95	46.748	− 2.09	+ 28.5	10 13 22.40	+64.77	+11 10 34.2	....
22	Sun II, S	9	16 2.93	− 0.24	−30.75	28 11 52.45	45.993	− 2.09	+ 29.1	10 15 31.94	−64.77	+10 38 50.2	....
23	α Ophiuchi	9	31 18.22	− 0.28	**−30.91**	26 13 54.40	44.190	− 3.50	+ 26.9	17 30 47.01	.....	+12 37 32.6	....
24	β Ophiuchi	5	39 34.52	− 0.27	**−30.94**	34 13 53.20	47.142	− 3.50	+ 37.1	17 39 3.32	.....	+ 4 36 16.4	....
25	89 Herculis	9	52 20.17	− 0.33	**−30.82**	12 48	......	....	. ....	17 51 48.90	.....	+26 3	....
26	ν Ophiuchi	7	54 37.46	− 0.25	**−30.97**	48 35 55.15	46.300	− 3.50	+1 1.8	17 54 6.27	.....	− 9 45 51.2	....
27	72 Ophiuchi	9	3 38.02	− 0.28	**−30.98**	29 17 54.08	45.258	− 3.50	+ 30.6	18 3 6.80	.....	+ 9 33 4.8	....
28	η Serpentis	9	17 12.33	− 0.26	**−30.97**	41 45 54.42	45.625	− 3.50	+ 48.8	18 16 41.12	.....	− 2 55 22.0	....
29	3 H. Scuti	8	30 51.90	− 0.25	**−30.98**	47 9 53.50	42.865	− 3.50	+ 58.9	18 30 20.70	.....	− 8 18 28.2	....
30	4 H. Scuti	9	37 54.14	− 0.25	**−30.93**	47 57 54.70	47.728	− 3.50	+1 0.6	18 37 22.93	.....	− 9 8 22.1	....
31	110 Herculis	9	42 20.48	− 0.31	**−31.01**	18 23 52.80	44.260	− 3.50	+ 18.2	18 41 49.21	.....	+20 27 41.3	....
32	θ Serpentis	9	52 17.99	− 0.27	**−30.95**	34 45 54.40	44.595	− 3.50	+ 38.0	18 51 46.76	.....	+ 4 5 12.3	....
	August 26, P.												
33	α Ursæ Minoris	6	28 12.57	−11.68	−31.72	310 3 51.98	43.428	− 3.38	−1 7.4	1 27 29.17	.....	+88 49 26.5	....
34	ν Arietis	9	34 15.94	− 0.22	**−31.74**	17 17 51.58	42.122	− 3.38	+ 17.8	2 33 43.97	.....	+21 34 31.7	....
35	γ Ceti	9	39 11.83	− 0.19	**−31.79**	35 59 49.08	43.448	− 3.38	+ 41.4	2 38 39.88	.....	+ 2 51 40.1	....
36	μ Ceti	6	40 38.22	− 0.20	**−31.81**	29 5 50.88	47.400	− 3.38	+ 31.8	2 40 6.26	.....	+ 9 44 17.9	....
37	41 Arietis	9	45 14.69	− 0.23	**−31.72**	11 57 49.85	45.090	− 3.38	+ 12.1	2 44 42.70	.....	+26 53 31.4	....
38	ε Arietis (*mean*)	9	54 37.43	− 0.22	**−31.76**	17 51 51.78	46.065	− 3.38	+ 18.4	2 54 5.45	.....	+20 59 0.8	....
39	δ Arietis	9	7 2.42	− 0.21	**−31.77**	19 27 50.35	45.105	− 3.38	+ 20.2	3 6 30.44	.....	+19 23 22.3	....
40	ζ Arietis	9	10 17.11	− 0.22	**−31.75**	18 7 49.78	46.572	− 3.38	+ 18.8	3 9 45.12	.....	+20 42 50.8	....
41	ξ Tauri	9	22 50.89	− 0.20	**−31.77**	29 25 49.98	44.568	− 3.38	+ 32.3	3 22 18.91	.....	+ 9 25 22.9	....
42	f Tauri	9	26 27.62	− 0.20	[**−31.77**]	26 13 53.38	43.170	− 3.38	+ 28.2	3 25 55.64	.....	+12 37 55.5	....
43	η Tauri	9	42 41.41	− 0.22	[**−31.78**]	15 1 52.52	44.135	− 3.38	+ 15.4	3 42 9.40	.....	+23 49 47.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 0 2	29.954	70.1	69.0
0 44	......	....	68.4
1 0	29.954	69.8	68.3
1 29	......	....	68.7
1 51	29.958	70.0	68.8
24 17 20	29.990	78.8	77.1
17 42	......	....	76.6
18 0	......	....	76.1
18 20	29.994	77.1	75.9
18 36	......	....	75.1
18 54	29.997	76.0	75.0
1 27	29.972	70.0	68.2
25 10 16	29.970	82.0	84.4
17 32	29.894	82.0	80.9
18 4	......	....	80.1
18 33	......	....	79.7
18 53	29.896	80.3	79.1
26 1 29	29.978	63.0	60.1
2 33	29.978	62.0	59.5
2 52	......	....	58.9
3 20	29.986	60.8	57.9
3 40	......	....	57.1
3 59	......	....	57.0

Micrometer bisections are made at II, VI, except as noted below.

6.	Bisections at II, III, IV, V, VI.
9, 20, 33.	Bisections at b_4, b_5, b_6.
11, 24, 36, 37.	Bisections at VI, VII.
21.	Bisections at I, II, III.
22.	Bisections at V, VI, VII.
35.	Bisections at I, II.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+34 10.4	−16 14.6	...	+17 55.8
21	+ 4.0	−15 52.0	...	−15 48.0
22	+ 4.1	+15 51.9	...	+15 56.0

Notes.

5–9, 23, 24, 27, 33.	Clouds.
7, 10, 11, 28, 29.	Very faint.
8.	Degrees and minutes of circle reading assumed.
23, 24, 26, 28, 29.	Varying much in brightness.
32.	Micrometer reading decreased 1 rev.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II, N..........	9	57 18.36	− 0.23	−31.79	17 43 51.50	48.318	− 3.38	+ 18.4	3 56 46.34	−72.23	+21 6 9.5	....
	August 27, L.												
2	Sun I, S.............	9	21 14.44	− 0.14	−32.06	28 53 54.35	44.863	− 2.76	+ 30.9	10 20 42.24	+64.77	+ 9 57 12.2	....
3	Sun II, N............	9	23 23.98	− 0.14	−32.06	28 21 54.50	45.613	− 2.76	+ 30.3	10 22 51.78	−64.77	+10 28 56.3	....
4	σ Ophiuchi............	9	22 37.00	− 0.16	[**−32.29**]	34 37 56.72	44.758	− 3.38	+ 38.7	17 22 4.56	.....	+ 4 13 5.4	....
5	α Ophiuchi............	9	31 19.43	− 0.17	**−32.26**	26 13 57.18	44.012	− 3.38	+ 27.6	17 30 46.97	.....	+12 37 33.1	....
6	β Ophiuchi............	9	39 35.68	− 0.16	**−32.24**	34 13 56.70	46.900	− 3.38	+ 38.2	17 39 3.23	.....	+ 4 36 17.0	....
7	ν Ophiuchi............	9	54 38.71	− 0.16	**−32.34**	48 35 57.72	46.060	− 3.38	+1 3.7	17 54 6.25	.....	− 9 45 50.3	....
8	72 Ophiuchi............	9	3 39.18	− 0.17	**−32.28**	29 17 56.18	45.115	− 3.38	+ 31.6	18 3 6.71	.....	+ 9 33 4.9	....
9	η Serpentis............	9	17 13.54	− 0.16	**−32.31**	41 45 56.75	45.438	− 3.38	+ 50.2	18 16 41.07	.....	− 2 55 21.6	....
10	109 Herculis............	9	20 25.99	− 0.18	**−32.26**	17 7 56.75	43.798	− 3.38	+ 17.4	18 19 53.50	.....	+21 43 48.6	....
11	3 H. Scuti............	9	30 53.11	− 0.16	**−32.30**	47 7 57.25	47.860	− 3.38	+1 0.7	18 30 20.63	.....	− 8 18 28.0	....
12	110 Herculis............	9	42 21.68	− 0.18	**−32.37**	18 23 55.38	44.078	− 3.38	+ 18.8	18 41 49.18	.....	+20 27 42.2	....
13	θ Serpentis............	9	52 19.27	− 0.16	**−32.36**	34 45 52.65	44.427	+ 0.80	+ 39.1	18 51 46.78	.....	+ 4 5 12.6	....
14	θ Ceti............	9	20 6.32	− 0.14	**−32.57**	47 29 56.92	42.790	− 3.47	+1 1.8	1 19 33.67	.....	− 8 38 32.9	....
15	α Ursæ Minoris.........	8	28 11.66	− 8.63	−32.51	310 3 55.60	43.268	− 3.45	−1 7.1	1 27 30.52	.....	+88 49 26.3	....
16	α Trianguli............	9	48 31.57	− 0.16	**−32.51**	9 41 58.92	47.270	− 3.41	+ 9.8	1 47 58.89	.....	+29 8 34.5	....
17	β Arietis............	9	50 14.61	− 0.15	**−32.55**	18 27 56.32	47.765	− 3.41	+ 19.0	1 49 41.94	.....	+20 22 16.8	....
18	41 Arietis............	9	45 15.44	− 0.16	**−32.51**	11 57 55.22	44.798	− 3.28	+ 12.1	2 44 42.73	.....	+26 53 32.4	....
19	δ Eridani............	9	39 30.29	− 0.14	**−32.57**	48 53 56.70	45.730	− 3.16	+1 5.1	3 38 57.58	.....	−10 3 43.4	....
20	ε Tauri............	9	23 55.58	− 0.16	[**−32.54**]	19 51 56.60	45.705	− 3.00	+ 20.5	4 23 22.82	.....	+18 59 1.7	....
21	α Tauri............	9	31 19.19	− 0.16	[**−32.48**]	22 31 55.48	43.322	− 2.96	+ 23.6	4 30 46.43	.....	+16 19 54.1	....
22	τ Tauri............	9	37 24.42	− 0.17	[**−32.51**]	16 3 56.38	45.372	− 2.92	+ 16.4	4 36 51.65	.....	+22 47 13.5	....
23	Moon II, N..........	9	59 6.37	− 0.17	[−32.61]	14 9 55.62	45.262	− 2.83	+ 14.3	4 58 33.59	−73.90	+24 41 18.8	....
24	γ Orionis............	9	20 51.84	− 0.15	[**−32.57**]	32 33 56.95	46.808	− 2.73	+ 36.1	5 20 19.07	.....	+ 6 16 20.3	....
25	δ Orionis............	9	27 58.04	− 0.15	[**−32.56**]	39 11 57.50	46.410	− 2.70	+ 46.1	5 27 25.26	.....	− 0 21 41.2	....
26	ζ Orionis............	9	36 46.52	− 0.15	[**−32.56**]	40 49 55.12	44.955	− 2.66	+ 48.8	5 36 13.74	.....	− 1 59 8.3	....
27	κ Orionis............	9	44 2.67	− 0.15	[**−32.59**]	48 31 56.52	45.966	− 2.63	+1 3.8	5 43 29.89	.....	− 0 41 47.8	....
28	α Orionis............	9	50 51.46	− 0.15	[**−32.56**]	31 27 55.98	43.540	− 2.60	+ 34.5	5 50 18.67	.....	+ 7 23 37.4	....
	August 30, L.												
29	Sun I, N............	9	32 13.90	− 0.23	−34.12	29 25 53.85	44.600	− 2.35	+ 31.4	10 31 39.55	+64.49	+ 9 25 17.6	....
30	Sun II, S............	4	34 22.89	− 0.23	−34.12	29 57 54.20	43.905	− 2.35	+ 32.1	10 33 48.54	−64.50	+ 8 53 33.5	....
31	α Ursæ Minoris s. p.	6	27 54.07	+11.87	−34.20	307 41 53.72	46.033	− 2.60	−1 11.4	1 27 31.74	.....	+88 49 31.1	....
32	σ Ophiuchi............	9	22 38.99	− 0.22	[**−34.26**]	34 37 56.30	44.758	− 3.02	+ 38.7	17 22 4.46	.....	+ 4 13 5.5	....
33	α Ophiuchi............	9	31 21.47	− 0.23	**−34.29**	26 13 56.82	43.978	− 3.02	+ 27.6	17 30 46.92	.....	+12 37 33.9	....
34	β Ophiuchi............	9	39 37.77	− 0.22	**−34.31**	34 13 56.25	46.912	− 3.02	+ 38.2	17 39 3.23	.....	+ 4 36 16.8	....
35	ν Ophiuchi............	9	54 40.73	− 0.22	**−34.34**	48 35 57.60	46.052	− 3.02	+1 3.6	17 54 6.18	.....	− 9 45 50.2	....
36	δ Ursæ Minoris.........	9	1 56.89	− 4.15	−34.33	312 15 52.75	44.197	− 3.02	−1 1.4	18 1 18.41	.....	+86 37 1.9	....
37	η Serpentis............	9	17 15.58	− 0.22	**−34.33**	41 45 56.48	45.430	− 3.02	+ 50.2	18 16 41.02	.....	− 2 55 21.5	....
38	3 H. Scuti............	9	30 55.18	− 0.22	**−34.34**	47 7 57.32	47.840	− 3.02	+1 0.6	18 30 20.62	.....	− 8 18 27.8	....
39	110 Herculis............	9	42 23.73	− 0.25	**−34.39**	18 23 56.08	44.020	− 3.02	+ 18.7	18 41 49.13	.....	+20 27 42.5	....
40	θ Serpentis............	9	52 21.30	− 0.22	**−34.36**	34 45 56.20	44.420	− 3.02	+ 39.1	18 51 46.72	.....	+ 4 5 12.9	....
41	ε Aquilæ............	9	56 8.76	− 0.24	**−34.35**	23 53 55.18	46.045	− 3.02	+ 25.0	18 55 34.16	.....	+14 56 50.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 4 0	29.998	59.8	....
27 10 24	30.022	71.8	69.2
17 23	......	....	68.2
17 34	29.956	69.1	....
17 40	......	....	67.7
17 55	......	....	66.9
18 21	......	....	66.0
18 40	......	....	65.1
18 53	29.960	66.9	65.0
1 22	29.932	63.9	61.6
1 51	......	....	61.2
2 47	29.924	62.9	60.9
3 40	29.930	62.9	61.0
4 25	......	....	61.2
4 47	29.946	63.6	61.9
5 22	......	....	63.3
5 37	......	....	64.3
5 45	......	....	64.9
5 51	......	....	65.1
6 19	29.962	68.8	....
30 10 31	30.108	74.2	73.7
13 28	30.092	76.2	74.8
17 23	30.088	72.1	70.9
17 55	......	....	69.9
18 17	......	....	69.1
18 36	......	....	68.7
18 57	30.100	69.9	68.2

Micrometer bisections are made at II, VI, except as noted below.

1, 23. Bisections at II, III, IV, V, VI.
2. Bisections at I, II, III.
3. Bisections at V, VI, VII.
13. Bisections at II, VI, VII.
14, 16. Bisections at I, II.
15, 36. Bisections at b_4, b_5, b_6.
26–28. Bisections at I, II, VI, VII.
29. Bisection at I.
30. Bisections at VI, VII.
31. Bisections at b_3, b_4, b_5, b_6, b_7.

Note.

13. Two microscopes used.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+17 54.8	−16 10.0	...	+ 1 44.8
2	+ 4.2	+15 52.0	...	+15 56.2
3	+ 4.1	−15 52.0	...	−15 47.9
23	+14 16.9	−16 5.2	...	− 1 48.3
29	+ 4.3	−15 52.1	...	−15 47.8
30	+ 4.3	+15 52.0	...	+15 56.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	August 30, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Orionis	9	28 0.21	− 0.20	[**−34.59**]	39 11 50.80	46.701	− 2.49	+ 46.2	5 27 25.41	.....	− 0 21 41.4	....
2	ζ Orionis	9	36 48.73	− 0.20	[**−34.63**]	40 49 51.02	45.138	− 2.49	+ 48.9	5 36 13.93	.....	− 1 59 8.6	....
3	κ Orionis	9	44 4.84	− 0.20	[**−34.62**]	48 31 52.48	46.160	− 2.49	+1 4.0	5 43 30.04	.....	− 9 41 48.5	....
4	α Orionis	9	50 53.64	− 0.21	[**−34.59**]	31 27 51.60	43.715	− 2.49	+ 34.6	5 50 18.82	.....	+ 7 23 37.6	....
	September 5, P.												
5	γ Orionis	9	20 58.43	− 0.27	[**−38.77**]	32 33 48.95	47.168	− 2.27	+ 35.4	5 20 19.33	.....	+ 6 16 20.3	....
6	δ Orionis	9	28 4.58	− 0.26	[**−38.73**]	39 11 49.62	46.778	− 2.27	+ 45.1	5 27 25.48	.....	− 0 21 41.1	....
7	ζ Orionis	9	36 53.01	− 0.26	[**−38.68**]	40 49 47.05	45.320	− 2.27	+ 47.7	5 36 13.91	.....	− 1 59 7.8	....
8	κ Orionis	9	44 9.19	− 0.25	[**−38.75**]	48 31 48.95	46.360	− 2.27	+1 2.4	5 43 30.10	.....	− 9 41 48.2	....
9	α Orionis	9	50 58.06	− 0.28	[**−38.77**]	31 27 49.08	43.820	− 2.27	+ 33.8	5 50 18.93	.....	+ 7 23 38.3	....
10	δ Ursæ Minoris s. p.	9	1 48.22	+ 6.20	−38.85	305 29 49.68	45.177	− 2.27	−1 16.8	18 1 15.57	.....	+86 37 2.6	....
	September 6, P.												
11	Sun S	.	.. ..	.....	.....	32 29 51.92	47.582	− 2.26	+ 34.1	10 58	.....	+ 6 20 8.8	....
12	Sun N	.	.. ..	.....	.....	31 57 52.25	48.195	− 2.26	+ 33.4	.. ..	.....	+ 6 51 55.9	....
13	Mercury C	.	.. ..	.....	.....	45 29 48.80	45.144	− 2.74	+ 54.2	12 28	.....	− 6 39 11.6	....
14	α Ursæ Minoris s. p.	6	27 53.50	+19.26	−39.06	307 41 50.75	46.075	− 2.74	−1 8.6	1 27 33.70	.....	+88 49 31.9	....
15	β Ophiuchi	9	39 42.55	− 0.31	**−39.11**	34 13 48.65	47.275	− 3.95	+ 37.5	17 39 3.06	.....	+ 4 36 17.8	....
16	ν Ophiuchi	9	54 45.56	− 0.28	**−39.21**	48 35 48.52	46.518	− 3.83	+1 2.3	17 54 6.09	.....	− 9 45 49.7	....
17	δ Ursæ Minoris	9	2 1.44	− 6.80	−39.19	312 15 44.72	44.438	− 3.79	−1 0.2	18 1 15.45	.....	+86 37 4.0	....
18	3 H. Scuti	8	31 0.06	− 0.28	**−39.26**	47 7 49.90	48.250	− 3.54	+ 59.3	18 30 20.57	.....	− 8 18 28.0	....
19	4 H. Scuti	9	38 2.29	− 0.27	**−39.21**	47 57 51.42	47.815	− 3.49	+1 1.0	18 37 22.81	.....	− 9 8 21.3	....
20	110 Herculis	9	42 28.54	− 0.34	**−39.21**	18 23 49.80	44.348	− 3.45	+ 18.3	18 41 48.99	.....	+20 27 42.1	....
21	ω Aquilæ	9	14 17.01	− 0.30	**−39.24**	27 23 49.30	48.200	− 3.20	+ 28.6	19 13 37.48	.....	+11 26 4.1	....
22	δ Aquilæ	9	21 39.25	− 0.28	**−39.24**	35 53 49.80	47.440	− 3.14	+ 39.9	19 20 59.74	.....	+ 2 56 9.6	....
23	μ Aquilæ	9	30 23.17	− 0.29	**−39.22**	31 39 49.22	44.610	− 3.07	+ 34.0	19 29 43.64	.....	+ 7 11 20.7	....
24	κ Aquilæ	9	32 44.77	− 0.26	**−39.24**	46 3 50.12	46.198	− 3.05	+ 57.1	19 32 5.27	.....	− 7 13 39.6	....
	September 6, M.												
25	γ Orionis	9	20 59.06	− 0.23	[**−39.41**]	32 33 55.25	46.928	− 2.49	+ 35.6	5 20 19.36	.....	+ 6 16 19.5	....
26	δ Orionis	9	28 5.24	− 0.22	[**−39.40**]	39 11 53.15	46.650	− 2.45	+ 45.4	5 27 25.55	.....	− 0 21 41.9	....
27	ζ Orionis	9	36 53.72	− 0.22	[**−39.40**]	40 49 50.72	45.170	− 2.40	+ 48.1	5 36 14.02	.....	− 1 59 8.3	....
28	κ Orionis	9	44 9.88	− 0.21	[**−39.45**]	48 31 52.35	46.215	− 2.36	+1 2.9	5 43 30.19	.....	− 9 41 48.7	....
29	α Orionis	9	50 58.67	− 0.23	[**−39.40**]	31 27 51.15	43.762	− 2.33	+ 34.0	5 50 18.96	.....	+ 7 23 37.4	....
30	δ Ursæ Minoris s. p.	9	1 50.22	+ 5.35	−39.49	305 29 52.10	45.102	− 2.27	−1 17.4	18 1 16.08	.....	+86 37 2.8	....
31	8 Monocerotis	9	19 40.50	− 0.22	[**−39.42**]	34 11 51.02	46.525	− 2.17	+ 37.8	6 19 0.78	.....	+ 4 38 30.4	....
	September 7, M.												
32	Sun I, S	9	1 18.60	− 0.24	−39.62	32 53 50.48	43.332	− 1.84	+ 35.3	11 0 38.74	+64.14	+ 5 57 45.7	....
33	Sun II, N	9	3 26.87	− 0.24	−39.62	32 21 50.55	43.962	− 1.84	+ 34.6	11 2 47.01	−64.13	+ 6 29 32.8	....
34	Mercury I, C	9	30 38.42	− 0.25	−39.66	45 49 52.18	44.009	− 1.88	+ 55.9	12 29 58.51	+ 0.27	− 6 58 51.6	....
35	Moon I	9	56 44.57	− 0.29	−39.71	49 36	......	....	. ....	13 56 4.57	+62.23	.. ..	....
36	σ Ophiuchi	9	22 44.39	− 0.29	[**−39.72**]	34 37 52.40	44.982	− 2.19	+ 37.8	17 22 4.31	.....	+ 4 13 4.3	....
37	β Ophiuchi	9	39 43.18	− 0.29	**−39.78**	34 13 51.70	47.138	− 2.19	+ 37.3	17 39 3.09	.....	+ 4 36 16.3	....
38	ν Ophiuchi	9	54 46.21	− 0.28	**−39.88**	48 35 53.18	46.325	− 2.19	+1 2.1	17 54 6.12	.....	− 9 45 51.4	....
39	δ Ursæ Minoris	9	2 1.33	− 5.50	−39.81	312 15 53.68	43.975	− 2.19	−1 0.1	18 1 16.02	.....	+86 37 3.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 5 26	30.076	65.8	64.8
5 40	......	....	65.1
5 53	30.076	67.1	65.9
5 5 21	29.862	74.0	72.9
5 40	......	....	73.6
5 56	......	....	74.6
6 21	29.868	76.8	76.0
6 11 0	29.870	90.2	90.2
12 29	29.858	92.0	91.5
13 28	29.834	92.5	91.0
17 37	29.830	78.1	75.2
18 11	......	....	75.4
18 34	29.835	77.1	75.0
18 53	29.846	77.0	75.0
19 17	......	....	75.1
19 34	29.860	77.0	75.0
5 21	29.944	72.0	71.2
5 37	......	....	71.5
6 2	......	....	72.2
6 20	29.960	73.5	72.6
7 11 3	29.973	82.2	82.0
12 31	29.964	84.5	84.1
17 23	29.932	80.6	79.9
17 55	......	....	78.8
18 2	29.946	79.3	78.5

Micrometer bisections are made at II, VI, except as noted below.

1–4, 13, 34.	Bisections at I, II, VI, VII.
10, 14, 17, 30, 39.	Bisections at b_4, b_5, b_6.
11, 32.	Bisections at I, II, III.
12, 33.	Bisections at V, VI, VII.

Note.

1, 14, 22, 24, 30. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 4.7	+15 53.5	...	+15 58.2
12	+ 4.6	−15 53.5	...	−15 48.9
13	+ 7.5	.. ....	− 1.0	+ 6.5
32	+ 4.7	+15 53.6	...	+15 58.3
33	+ 4.7	−15 53.5	...	−15 48.8
34	+ 7.7	.. ....	− 1.0	+ 6.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Serpentis	9	17 21.02	− 0.28	**−39.82**	41 45 52.58	45.665	− 2.19	+ 49.0	18 16 40.92	.....	− 2 55 22.6	....
2	3 H. Scuti	9	31 0.56	− 0.28	**−39.77**	47 7 52.78	48.112	− 2.19	+ 59.2	18 30 20.45	.....	− 8 18 28.9	....
3	θ Serpentis	9	52 26.74	− 0.29	**−39.84**	34 45 51.58	44.662	− 2.19	+ 38.2	18 51 46.61	.....	+ 4 5 12.1	....
	September 7, P.												
4	γ Orionis	9	20 59.84	− 0.22	[**−40.17**]	32 33 50.88	47.045	− 2.77	+ 36.0	5 20 19.44	.....	+ 6 16 21.1	....
5	δ Orionis	9	28 6.05	− 0.21	[**−40.19**]	39 11 49.65	46.730	− 2.71	+ 46.0	5 27 25.65	.....	− 0 21 40.5	....
6	ζ Orionis	9	36 54.49	− 0.21	[**−40.15**]	40 49 49.20	45.185	− 2.63	+ 48.7	5 36 14.09	.....	− 1 59 7.5	....
7	κ Orionis	9	44 10.59	− 0.21	[**−40.13**]	48 31 51.42	46.185	− 2.56	+1 3.7	5 43 30.18	.....	− 9 41 47.7	....
8	α Orionis	9	50 59.45	− 0.22	[**−40.16**]	31 27 50.70	43.735	− 2.50	+ 34.4	5 50 19.03	.....	+ 7 23 38.2	....
9	δ Ursæ Minoris s. p.	9	1 50.28	+ 4.93	−40.20	305 29 44.62	45.537	− 2.41	−1 18.3	18 1 15.01	.....	+86 37 4.2	....
10	8 Monocerotis	9	19 41.32	− 0.22	[**−40.21**]	34 11 50.10	46.508	− 2.25	+ 38.2	6 19 0.89	.....	+ 4 38 31.4	....
	September 8, P.												
11	Sun I, N	9	4 55.61	− 0.21	−40.35	32 43 51.98	45.120	− 2.23	+ 35.4	11 4 15.05	+64.19	+ 6 7 3.6	....
12	Sun II, S	9	7 3.98	− 0.21	−40.35	33 15 54.40	44.528	− 2.23	+ 36.1	11 6 23.42	−64.18	+ 5 35 14.9	....
13	Mercury I, C	9	32 10.04	− 0.22	−40.39	46 5 51.25	47.918	− 2.56	+ 56.8	12 31 29.43	+ 0.28	− 7 16 20.2	....
14	α Ursæ Minoris s. p.	8	28 1.40	+14.44	−40.42	307 41 52.75	46.068	− 2.56	−1 10.2	1 27 35.42	.....	+88 49 32.3	....
15	Moon I, N	9	42 40.27	− 0.28	−40.46	54 21 46.28	44.757	− 2.56	+1 15.9	14 41 59.53	+63.28	−15 31 22.0	....
16	σ Ophiuchi	9	22 45.06	− 0.28	[**−40.42**]	34 37 50.15	45.082	− 2.74	+ 38.0	17 22 4.25	.....	+ 4 13 4.7	....
17	β Ophiuchi	9	39 43.88	− 0.28	[**−40.51**]	34 13 51.65	47.145	− 2.74	+ 37.5	17 39 3.06	.....	+ 4 36 16.5	....
18	ν Ophiuchi	9	54 46.87	− 0.27	**−40.57**	48 35 49.98	46.475	− 2.74	+1 2.4	17 54 6.05	.....	− 9 45 51.4	....
19	δ Ursæ Minoris	9	2 0.83	− 5.36	**−40.55**	312 15 50.62	44.157	− 2.74	−1 0.3	18 1 14.92	.....	+86 37 3.6	....
20	η Serpentis	9	17 21.73	− 0.27	**−40.56**	41 45 49.45	45.810	− 2.74	+ 49.2	18 16 40.90	.....	− 2 55 22.5	....
21	3 H. Scuti	9	31 1.36	− 0.27	**−40.59**	47 7 49.50	48.262	− 2.74	+ 59.4	18 30 20.52	.....	− 8 18 28.7	....
22	4 H. Scuti	9	38 3.56	− 0.27	**−40.50**	47 57 53.52	47.730	− 2.74	+1 1.2	18 37 22.72	.....	− 9 8 22.4	....
23	θ Serpentis	9	52 27.47	− 0.28	**−40.59**	34 45 50.95	44.665	− 2.74	+ 38.3	18 51 46.61	.....	+ 4 5 13.1	....
24	λ Aquilæ	9	2 11.23	− 0.27	**−40.54**	43 51 49.08	44.850	− 2.74	+ 53.0	19 1 30.38	.....	− 5 1 4.0	....
25	d Sagittarii	9	13 5.39	− 0.26	**−40.64**	57 55 48.20	48.098	− 2.74	+1 28.1	19 12 24.54	.....	−19 6 52.4	....
	September 9, M.												
26	Sun N	.	.. ..	.....	.....	33 5 53.60	46.640	− 2.20	+ 35.2	11 8	.....	+ 5 44 27.5	....
27	Sun S	.	.. ..	.....	.....	33 37 51.68	46.192	− 2.20	+ 35.9	.. ..	.....	+ 5 12 39.8	....
	September 9, P.												
28	γ Orionis	9	21 1.19	− 0.20	[**−41.48**]	32 33 49.45	47.105	− 3.48	+ 36.8	5 20 19.42	.....	+ 6 16 21.1	....
29	δ Orionis	9	28 7.40	− 0.19	[**−41.50**]	39 11 52.32	46.620	− 3.48	+ 46.9	5 27 25.64	.....	− 0 21 40.8	....
30	ζ Orionis	9	36 55.86	− 0.19	[**−41.48**]	40 49 50.98	45.088	− 3.48	+ 49.7	5 36 14.09	.....	− 1 59 7.2	....
31	κ Orionis	9	44 12.01	− 0.19	[**−41.51**]	48 31 50.78	46.185	− 3.48	+1 5.0	5 43 30.24	.....	− 9 41 47.4	....
32	α Orionis	9	51 0.85	− 0.20	[**−41.52**]	31 27 49.50	43.800	− 3.48	+ 35.2	5 50 19.07	.....	+ 7 23 38.1	....
33	δ Ursæ Minoris s. p.	9	1 52.17	+ 4.00	−41.59	305 29 47.38	45.537	− 3.48	−1 20.0	18 1 14.58	.....	+86 37 4.2	....
34	8 Monocerotis	9	19 42.63	− 0.19	[**−41.49**]	34 11 50.75	46.485	− 3.48	+ 39.0	6 19 0.84	.....	+ 4 38 31.7	....
	September 10, P.												
35	Sun I, S	9	12 8.86	− 0.13	−41.74	33 59 54.80	47.767	− 2.65	+ 37.8	11 11 26.99	+64.13	+ 4 49 58.3	....
36	Sun II, N	9	14 17.12	− 0.13	−41.74	33 27 52.98	48.383	− 2.65	+ 37.0	11 13 35.25	−64.13	+ 5 21 47.7	....
37	Moon I	9	20 35.06	− 0.21	−41.89	62 34	......	....	. ....	16 19 52.96	+66.71	.. ..	....
38	σ Ophiuchi	9	22 46.43	− 0.21	[**−41.89**]	34 37 51.95	44.972	− 3.26	+ 38.7	17 22 4.30	.....	+ 4 13 5.2	....
39	β Ophiuchi	9	39 45.12	− 0.21	[**−41.85**]	34 13 49.10	47.225	− 3.26	+ 38.2	17 39 2.99	.....	+ 4 36 17.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 18 31	......	....	78.1
18 52	29.960	78.3	77.3
5 18	29.984	67.0	65.0
5 40	......	....	65.8
5 58	......	....	66.7
6 21	29.987	69.5	67.5
8 11 7	29.986	78.8	77.5
12 32	29.953	81.5	80.8
13 28	29.933	83.2	81.0
14 43	29.900	82.0	81.2
17 20	29.858	78.0	76.2
17 42	......	....	75.7
17 58	......	....	75.0
18 20	29.846	76.0	74.5
18 40	......	....	74.0
19 0	......	....	73.5
19 15	29.836	74.5	73.0
9 11 11	29.741	83.5	83.1
5 18	29.990	58.5	55.1
5 40	......	....	55.8
5 58	......	....	56.2
6 21	30.000	60.0	57.0
10 11 12	30.020	70.9	69.4
17 20	29.975	70.0	68.3
17 42	......	....	67.4

Micrometer bisections are made at II, VI, except as noted below.

9, 14, 19, 33.	Bisections at b_4, b_5, b_6.
11, 35.	Bisections at I, II, III.
12, 36.	Bisections at V, VI, VII.
13.	Bisections at I, II, VI, VII.
15.	Bisections at II, III, IV, V, VI.
26.	Bisections at I, II, IV.
27.	Bisections at VI, VII, VIII.
39.	Bisections at II, VI, VII.

Notes.

14.	Unsteady.
20, 24, 25.	Hazy.
39.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 4.8	−15 54.4	...	−15 49.6
12	+ 4.8	+15 54.3	...	+15 59.1
13	+ 7.9	.. ....	− 1.0	+ 6.9
15	+43 56.4	−14 47.9	...	+29 8.5
26	+ 4.8	−15 53.9	...	−15 49.1
27	+ 4.8	+15 53.8	...	+15 58.6
35	+ 4.9	+15 54.6	...	+15 59.5
36	+ 4.8	−15 54.7	...	−15 49.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Ophiuchi	9	54 48.18	− 0.20	**−41.98**	48 35 50.85	46.395	− 3.26	+1 3.7	17 54 6.05	.....	− 9 45 51.2	....
2	δ Ursæ Minoris	9	2 0.00	− 4.18	−41.93	312 15 50.95	44.198	− 3.26	−1 1.5	18 1 13.89	.....	+86 37 4.0	....
3	η Serpentis	8	17 23.05	− 0.20	**−41.98**	41 45 49.25	45.768	− 3.26	+ 50.2	18 16 40.91	.....	− 2 55 21.8	....
4	4 H. Scuti	9	38 4.83	− 0.20	**−41.87**	47 57 52.72	47.718	− 3.26	+1 2.3	18 37 22.68	.....	− 9 8 21.9	....
5	θ Serpentis	9	52 28.73	− 0.21	**−41.95**	34 45 48.75	44.728	− 3.26	+ 39.0	18 51 46.56	.....	+ 4 5 13.6	....
6	π Sagittarii	9	5 9.16	− 0.21	−41.96	59 59 48.90	45.648	− 3.26	+1 37.1	19 4 26.99	.....	−21 10 5.5	....
7	ψ Sagittarii	9	10 45.96	− 0.21	−41.97	64 13 48.70	46.705	− 3.26	+1 56.0	19 10 3.78	.....	−25 24 48.4	....
8	d Sagittarii	9	13 6.63	− 0.20	**−41.97**	57 55 51.18	47.890	− 3.26	+1 29.6	19 12 24.46	.....	−19 6 51.6	....
	September 12, P.												
9	Sun I, N	7	19 21.65	− 0.21	−43.14	34 13 51.90	47.378	− 2.97	+ 37.7	11 18 38.30	+64.12	+ 4 36 10.6	....
10	Sun II, S	9	21 29.88	− 0.21	−43.14	34 45 52.10	46.938	− 2.97	+ 38.5	11 20 46.53	−64.11	+ 4 4 20.4	....
11	Mercury I, C	9	35 17.99	− 0.20	−43.17	46 49 48.58	48.529	− 2.64	+ 58.5	12 34 34.62	+ 0.30	− 8 0 33.1	....
12	σ Ophiuchi	9	22 47.86	− 0.26	**[−43.30]**	34 37 49.08	45.135	− 3.50	+ 38.2	17 22 4.28	.....	+ 4 13 5.1	....
13	β Ophiuchi	9	39 46.58	− 0.26	**[−43.29]**	34 13 48.62	47.272	− 3.43	+ 37.7	17 39 2.99	.....	+ 4 36 17.1	....
14	ν Ophiuchi	9	54 49.56	− 0.26	**−43.33**	48 35 48.30	46.545	− 3.37	+1 2.9	17 54 5.96	.....	− 9 45 51.2	....
15	δ Ursæ Minoris	9	2 1.39	− 4.75	−43.34	312 15 48.70	44.285	− 3.33	−1 0.8	18 1 13.30	.....	+86 37 3.7	....
16	Moon I, S	9	9 13.52	− 0.28	−43.34	66 41 48.78	44.046	− 3.30	+2 8.3	18 8 29.90	+70.11	−27 52 0.0	....
17	η Serpentis	9	17 24.42	− 0.26	**−43.32**	41 45 48.22	45.848	− 3.27	+ 49.6	18 16 40.81	.....	− 2 55 22.0	....
18	λ Sagittarii	9	23 10.68	− 0.26	−43.35	64 17 48.35	45.795	− 3.24	+1 55.1	18 22 27.07	.....	−25 28 26.4	....
19	3 H. Scuti	9	31 4.03	− 0.26	**−43.33**	47 7 49.82	48.250	− 3.21	+1 0.0	18 30 20.42	.....	− 8 18 28.9	....
20	φ Sagittarii	9	40 47.95	− 0.27	−43.36	65 53 48.38	47.270	− 3.17	+2 3.9	18 40 4.32	.....	−27 5 9.0	....
21	σ Sagittarii	9	50 27.04	− 0.27	−43.36	65 13 49.40	46.030	− 3.13	+2 0.2	18 49 43.41	.....	−26 24 38.0	....
22	θ Serpentis	9	52 30.18	− 0.26	**−43.38**	34 45 47.12	44.840	− 3.12	+ 38.7	18 51 46.56	.....	+ 4 5 12.9	....
23	ψ Sagittarii	9	10 47.39	− 0.26	−43.37	64 13 48.38	46.780	− 3.04	+1 55.1	19 10 3.76	.....	−25 24 49.1	....
24	d Sagittarii	9	13 8.10	− 0.26	**−43.41**	57 55 48.05	48.080	− 3.03	+1 28.9	19 12 24.47	.....	−19 6 52.3	....
	September 12, M.												
25	γ Orionis	9	21 3.37	− 0.24	**[−43.53]**	32 33 52.32	47.065	− 3.24	+ 36.1	5 20 19.51	.....	+ 6 16 19.6	....
26	δ Orionis	9	28 9.57	− 0.23	**[−43.54]**	39 11 53.82	46.610	− 3.24	+ 46.1	5 27 25.72	.....	− 0 21 41.5	....
27	ζ Orionis	9	36 58.03	− 0.23	**[−43.52]**	40 49 51.98	45.118	− 3.24	+ 48.8	5 36 14.17	.....	− 1 59 8.3	....
28	κ Orionis	9	44 14.17	− 0.23	**[−43.55]**	48 31 55.12	46.050	− 3.24	+1 3.9	5 43 30.31	.....	− 9 41 47.8	....
29	α Orionis	9	51 3.00	− 0.24	**[−43.54]**	31 27 52.92	43.710	− 3.24	+ 34.5	5 50 19.13	.....	+ 7 23 37.2	....
30	8 Monocerotis	9	19 44.79	− 0.24	**[−43.52]**	34 11 52.78	46.465	− 3.24	+ 38.3	6 19 0.90	.....	+ 4 38 30.6	....
	September 13, M.												
31	Sun I, S	9	22 57.84	− 0.23	−43.80	35 9 51.45	44.072	− 2.55	+ 38.5	11 22 13.81	+63.98	+ 3 41 25.3	....
32	Sun II, N	9	25 5.80	− 0.23	−43.80	34 37 50.38	44.643	− 2.55	+ 37.8	11 24 21.77	−63.98	+ 4 13 14.9	....
	September 14, P.												
33	Sun I, S	9	26 34.00	− 0.20	−44.54	35 31 52.50	46.587	− 3.23	+ 39.9	11 25 49.26	+64.00	+ 3 18 26.1	....
34	Sun II, N	9	28 42.00	− 0.20	−44.54	34 59 53.40	47.077	− 3.23	+ 39.2	11 27 57.26	−64.00	+ 3 50 15.5	....
	September 14, M.												
35	γ Orionis	9	21 4.73	− 0.16	**[−44.91]**	32 33 54.45	46.892	− 3.53	+ 37.0	5 20 19.55	.....	+ 6 16 20.8	....
36	δ Orionis	9	28 10.98	− 0.16	**[−44.96]**	39 11 54.95	46.480	− 3.53	+ 47.2	5 27 25.79	.....	− 0 21 40.5	....
37	ζ Orionis	9	36 59.42	− 0.15	**[−44.93]**	40 49 52.65	45.012	− 3.53	+ 50.1	5 36 14.24	.....	− 1 59 7.5	....
38	κ Orionis	9	44 15.52	− 0.15	**[−44.92]**	48 31 55.95	45.930	− 3.53	+1 5.5	5 43 30.33	.....	− 9 41 47.2	....
39	α Orionis	9	51 4.43	− 0.16	**[−44.99]**	31 25 54.68	48.825	− 3.53	+ 35.4	5 50 19.23	.....	+ 7 23 38.0	....
40	8 Monocerotis	9	19 46.15	− 0.16	**[−44.90]**	34 11 53.68	46.380	− 3.53	+ 39.3	6 19 0.94	.....	+ 4 38 31.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 17 59	......	....	67.1
18 20	29.976	68.9	67.0
18 42	......	....	67.4
18 54	29.986	68.9	67.3
19 15	29.990	68.9	67.0
12 11 21	30.094	76.8	75.8
12 35	30.070	79.8	80.3
17 20	29.996	76.2	75.0
17 42	......	....	74.3
17 58	......	....	73.1
18 12	29.986	74.5	73.0
18 34	......	....	72.1
18 56	......	....	71.6
19 15	29.993	72.8	71.0
5 21	29.990	65.7	64.6
5 37	......	....	64.7
6 20	29.984	66.6	65.0
13 11 25	29.982	80.3	81.0
14 11 29	29.980	71.0	69.5
5 21	30.020	55.8	52.7
5 37	......	....	52.4
5 51	......	....	52.8
6 20	30.030	56.6	54.0

Micrometer bisections are made at II, VI, except as noted below.

2, 15.	Bisections at b_4, b_5, b_6.
4, 11.	Bisections at I, II, VI, VII.
5, 8.	Bisections at I, II, VI.
9, 31, 33.	Bisections at I, II, III.
10, 32, 34.	Bisections at V, VI, VII.
16.	Bisections at II, III, IV, V, VI.

Notes.

4–8. Clouds.
39. Circle reading decreased 2′.
40. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 4.9	−15 55.1	...	−15 50.2
10	+ 5.0	+15 55.0	...	+16 0.0
11	+ 8.6	.. ....	− 1.3	+ 7.3
16	+50 33.2	+15 3.4	...	+65 36.6
31	+ 5.0	+15 54.8	...	+15 59.8
32	+ 5.0	−15 54.8	...	−15 49.8
33	+ 5.1	+15 54.6	...	+15 59.7
34	+ 5.0	−15 54.7	...	−15 49.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	September 15, M.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	30 9.83	−0.10	−45.19	35 23 53.98	44.485	−3.12	+ 39.9	11 29 24.54	+63.97	+ 3 27 12.5	....
2	Sun II, S	8	32 17.77	−0.10	−45.19	35 55 53.75	44.092	−3.12	+ 40.7	11 31 32.48	−63.97	+ 2 55 21.8	....
3	σ Ophiuchi	8	22 49.80	−0.17	[**−45.39**]	34 37 55.88	44.820	−3.45	+ 38.9	17 22 4.26	.....	+ 4 13 4.7	....
4	β Ophiuchi	9	39 48.52	−0.17	[**−45.37**]	34 13 54.62	47.022	−3.45	+ 38.4	17 39 2.97	.....	+ 4 36 16.1	....
5	ν Ophiuchi	9	54 51.52	−0.17	[**−45.43**]	48 35 55.65	46.165	−3.45	+1 4.1	17 54 5.96	.....	− 9 45 50.9	....
6	δ Ursæ Minoris	9	2 0.33	−3.10	−45.39	312 15 56.10	43.988	−3.45	−1 1.9	18 1 11.84	.....	+86 37 4.3	....
7	η Serpentis	9	17 26.34	−0.17	**−45.38**	41 45 54.68	45.520	−3.45	+ 50.5	18 16 40.77	.....	− 2 55 21.6	....
8	3 H. Scuti	9	31 5.96	−0.17	**−45.40**	47 7 55.40	47.952	−3.45	+1 1.0	18 30 20.38	.....	− 8 18 28.4	....
9	θ Serpentis	9	52 32.08	−0.17	**−45.42**	34 45 54.70	44.480	−3.45	+ 39.4	18 51 46.49	.....	+ 4 5 13.2	....
10	θ Aquilæ	9	7 27.53	−0.17	**−45.45**	39 55 58.60	45.212	−3.45	+ 47.7	20 6 41.91	.....	− 1 5 15.8	....
11	α^2 Capricorni	9	13 51.85	−0.18	**−45.53**	51 39 53.70	44.755	−3.45	+1 12.0	20 13 6.21	.....	−12 49 24.7	....
12	π Capricorni	8	22 58.44	−0.18	**−45.47**	57 19 52.80	46.672	−3.45	+1 28.7	20 22 12.80	.....	−18 30 24.4	....
13	ρ Capricorni	9	24 31.93	−0.18	**−45.50**	56 55 52.28	47.435	−3.45	+1 27.4	20 23 46.29	.....	−18 6 39.9	....
14	32 Vulpeculæ	9	51 31.16	−0.19	**−45.43**	11 7 51.88	46.135	−3.45	+ 11.3	20 50 45.50	.....	+27 43 6.2	....
15	θ Capricorni	9	1 41.70	−0.18	**−45.47**	56 25 53.28	44.085	−3.45	+1 25.6	21 0 56.04	.....	−17 35 22.7	....
16	Moon I, S	9	3 19.76	−0.19	−45.48	61 57 53.95	45.648	−3.45	+1 46.7	21 2 34.09	+70.41	−23 8 20.0	....
17	ι Capricorni	9	18 2.57	−0.18	**−45.44**	56 3 52.35	43.188	−3.45	+1 24.4	21 17 16.90	.....	−17 12 59.9	....
18	β Aquarii	9	27 37.53	−0.17	**−45.48**	44 47 52.88	46.785	−3.45	+ 56.5	21 26 51.87	.....	− 5 57 54.7	....
	September 15, P.												
19	γ Orionis	9	21 5.48	−0.16	[**−45.63**]	32 33 47.28	47.205	−3.78	+ 37.0	5 20 19.55	.....	+ 6 16 21.0	....
20	δ Orionis	9	28 11.72	−0.15	[**−45.68**]	39 11 49.50	46.728	−3.78	+ 47.2	5 27 25.80	.....	− 0 21 40.5	....
21	ζ Orionis	9	37 0.21	−0.15	[**−45.69**]	40 49 47.30	45.260	−3.78	+ 50.0	5 36 14.28	.....	− 1 59 7.5	....
22	κ Orionis	9	44 16.36	−0.14	[**−45.74**]	48 31 48.65	46.278	−3.78	+1 5.4	5 43 30.44	.....	− 9 41 47.5	....
23	α Orionis	9	51 5.07	−0.14	[**−45.62**]	31 27 48.00	43.868	−3.78	+ 35.4	5 50 19.15	.....	+ 7 23 38.2	....
24	δ Ursæ Minoris S. P.	8	1 54.06	+ 3.22	−45.79	305 29 49.40	45.440	−3.78	−1 20.5	18 1 11.49	.....	+86 37 2.2	....
25	8 Monocerotis	9	19 46.92	−0.13	[**−45.67**]	34 11 50.22	46.488	−3.78	+ 39.2	6 19 0.99	.....	+ 4 38 32.3	....
	September 16, P.												
26	Sun I, N	9	33 45.72	−0.11	−45.93	35 45 50.80	47.475	−2.94	+ 40.3	11 32 59.68	+64.03	+ 3 4 6.8	....
27	Sun II, S	9	35 53.78	−0.11	−45.93	36 17 50.60	47.192	−2.94	+ 41.1	11 35 7.74	−64.03	+ 2 32 13.5	....
28	σ Ophiuchi	9	22 50.46	−0.20	[**−46.03**]	34 37 48.80	45.090	−3.36	+ 38.9	17 22 4.18	.....	+ 4 13 5.5	....
29	β Ophiuchi	9	39 49.23	−0.20	[**−46.06**]	34 13 45.10	47.390	−3.36	+ 38.5	17 39 2.94	.....	+ 4 36 17.1	....
30	ν Ophiuchi	8	54 52.17	−0.21	[**−46.05**]	48 35 49.18	46.430	−3.36	+1 4.2	17 54 5.86	.....	− 9 45 50.7	....
31	δ Ursæ Minoris	9	2 0.89	−3.16	−46.10	312 15 47.65	44.383	−3.36	−1 2.0	18 1 11.63	.....	+86 37 3.7	....
32	η Serpentis	9	17 27.10	−0.20	**−46.12**	41 45 46.38	45.862	−3.36	+ 50.6	18 16 40.79	.....	− 2 55 21.3	....
33	3 H. Scuti	9	31 6.67	−0.20	**−46.09**	47 7 47.00	48.312	−3.36	+1 1.1	18 30 20.36	.....	− 8 18 28.5	....
34	θ Serpentis	9	52 32.77	−0.20	**−46.09**	34 45 47.75	44.780	−3.36	+ 39.4	18 51 46.45	.....	+ 4 5 13.2	....
35	32 Vulpeculæ	9	51 31.86	−0.22	**−46.11**	11 7 48.90	46.220	−3.73	+ 11.3	20 50 45.46	.....	+27 43 7.6	....
36	θ Capricorni	9	1 42.47	−0.21	**−46.22**	56 25 47.48	44.352	−3.76	+1 25.8	21 0 56.07	.....	−17 35 22.7	....
37	ι Capricorni	9	18 3.37	−0.21	**−46.21**	56 3 47.02	43.402	−3.83	+1 24.7	21 17 16.97	.....	−17 12 59.4	....
38	β Aquarii	9	27 38.26	−0.20	**−46.18**	44 47 50.88	46.810	−3.84	+ 56.7	21 26 51.86	.....	− 5 57 53.1	....
39	γ Capricorni	9	35 55.58	−0.21	**−46.21**	55 53 47.88	46.110	−3.87	+1 24.2	21 35 9.17	.....	−17 4 1.6	....
40	δ Capricorni	9	42 53.74	−0.21	**−46.26**	55 21 47.48	46.190	−3.89	+1 22.6	21 42 7.32	.....	−16 32 1.4	....
41	μ Capricorni	9	49 12.59	−0.21	**−46.22**	52 47 50.18	47.350	−3.91	+1 15.2	21 48 26.17	.....	−13 58 23.2	....
42	Moon I, S	9	0 12.05	−0.22	−46.21	57 29 48.48	46.400	−3.94	+1 29.6	21 59 25.62	+69.44	−18 40 14.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 11 32	30.046	69.0	68.4
17 23	30.020	67.8	66.8
17 55	......	....	64.8
18 17	30.020	65.6	64.2
18 53	30.026	64.4	63.3
20 7	30.036	62.3	60.9
20 25	......	....	61.1
20 52	......	....	61.3
21 3	......	....	61.1
21 28	30.024	61.8	61.1
5 18	30.018	55.2	53.0
5 40	......	....	53.0
5 58	......	....	54.0
6 21	30.028	57.0	55.7
16 11 36	30.070	70.7	70.3
17 20	30.033	67.6	66.8
17 42	......	....	65.0
17 58	......	....	64.0
18 20	30.030	65.0	63.9
18 36	......	....	63.5
18 54	30.036	64.8	63.1
20 49	30.037	61.9	61.0
21 10	......	....	60.2
21 30	......	....	60.0
21 46	......	....	60.0
22 3	30.048	60.9	59.4

Micrometer bisections are made at II, VI, except as noted below.

1, 26. Bisections at I, II, III.
2, 27. Bisections at V, V, VII.
6, 31. Bisections at b_4, b_5, b_6.
12, 15. Bisections at I, II.
16, 42. Bisections at II, III, IV, V, VI.
24. Bisections at b_4, b_6.
35. Bisections at II, VI, VII.

Notes.

24. Faint and unsteady.
31, 36. Micrometer reading increased 1 rev.
32. Clouds.
33. One microscope reading increased 10″.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.0	−15 55.3	...	−15 50.3
2	+ 5.1	+15 55.3	...	+16 0.4
16	+50 37.7	+15 41.4	...	+66 19.1
26	+ 5.1	−15 56.6	...	−15 51.5
27	+ 5.2	+15 56.6	...	+16 1.8
42	+49 5.9	+15 55.6	...	+65 1.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	September 17, L.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	37 21.74	− 0.18	−46.66	36 41 51.95	44.808	− 2.69	+ 41.7	11 36 34.90	+64.00	+ 2 9 4.9	....
2	Sun II, N.	9	39 29.74	− 0.18	−46.66	36 9 51.65	45.232	− 2.69	+ 40.9	11 38 42.90	−64.00	+ 2 40 57.2	....
3	σ Ophiuchi.	9	22 51.28	− 0.26	[**−46.81**]	34 37 53.58	44.900	− 3.50	+ 38.5	17 22 4.21	.....	+ 4 13 5.6	....
4	β Ophiuchi.	9	39 50.01	− 0.26	[**−46.80**]	34 13 54.70	46.965	− 3.50	+ 38.0	17 39 2.93	.....	+ 4 36 17.8	....
5	ν Ophiuchi.	9	54 52.99	− 0.26	[**−46.84**]	48 35 54.38	46.222	− 3.50	+1 3.4	17 54 5.90	.....	− 9 45 50.2	....
6	δ Ursæ Minoris.	9	2 1.78	− 3.56	−46.83	312 15 50.02	44.283	− 3.50	−1 1.3	18 1 11.39	.....	+86 37 3.1	....
7	η Serpentis.	9	17 27.87	− 0.25	**−46.86**	41 45 53.35	45.580	− 3.50	+ 50.0	18 16 40.78	.....	− 2 55 21.1	....
8	3 H. Scuti.	9	31 7.44	− 0.25	**−46.83**	47 7 53.90	48.042	− 3.50	+1 0.7	18 30 20.34	.....	− 8 18 28.6	....
9	θ Serpentis.	9	52 33.60	− 0.25	**−46.89**	34 45 53.30	44.512	− 3.50	+ 39.1	18 51 46.49	.....	+ 4 5 14.2	....
10	θ Aquilæ.	9	7 29.03	− 0.24	**−46.90**	39 55 54.95	45.342	− 3.50	+ 47.5	20 6 41.90	.....	− 1 5 14.8	....
11	32 Vulpeculæ.	9	51 32.67	− 0.26	**−46.89**	11 7 53.22	46.025	− 3.76	+ 11.2	20 50 45.50	.....	+27 43 7.8	....
12	β Aquarii.	9	27 39.09	− 0.22	**−47.00**	44 47 55.60	46.627	− 3.76	+ 56.5	21 26 51.94	.....	− 5 57 53.5	....
13	σ Aquarii.	9	26 43.06	− 0.22	**−46.96**	49 57 55.48	46.760	− 3.76	+1 7.8	22 25 55.88	.....	−11 8 7.8	....
14	ζ Pegasi.	9	37 48.06	− 0.22	**−46.92**	28 29 56.65	42.915	− 3.76	+ 30.9	22 37 0.87	.....	+10 21 55.8	....
15	η Pegasi.	8	39 36.54	− 0.25	**−46.92**	9 5 53.95	45.730	− 3.76	+ 9.2	22 38 49.32	.....	+29 45 15.8	....
16	λ Aquarii.	9	48 45.10	− 0.22	**−46.96**	46 53 54.85	44.900	− 3.76	+1 0.9	22 47 57.91	.....	− 8 3 17.7	....
17	Moon I, S.	9	55 38.04	− 0.23	−46.97	51 51 54.25	48.580	− 3.76	+1 12.6	22 54 50.84	+68.53	−13 2 53.0	....
18	α Pegasi.	9	1 6.30	− 0.22	**−46.94**	24 7 54.32	44.378	− 3.76	+ 25.6	23 0 19.10	.....	+14 43 30.0	....
19	φ Aquarii.	9	10 29.66	− 0.21	**−47.04**	45 21 54.80	46.438	− 3.76	+ 57.7	23 9 42.47	.....	− 6 31 49.6	....
20	κ Piscium.	9	23 8.96	− 0.21	**−46.97**	38 5 54.98	42.142	− 3.76	+ 44.7	23 22 21.76	.....	+ 0 46 1.3	....
	September 20, L.												
21	Sun N.	.	.. ..	....	.....	37 19 42.85	44.788	− 3.34	+ 41.7	11 48	.....	+ 1 31 15.2	....
22	Sun S.	.	.. ..	....	.....	37 51 42.90	44.600	− 3.34	+ 42.5	.. ..	.....	+ 0 59 19.5	....
23	σ Ophiuchi.	9	22 53.38	− 0.30	[**−48.92**]	34 37 57.28	44.802	− 3.84	+ 37.8	17 22 4.15	.....	+ 4 13 5.2	....
24	β Ophiuchi.	9	39 52.12	− 0.30	[**−48.92**]	34 13 57.58	46.928	− 3.84	+ 37.3	17 39 2.88	.....	+ 4 36 16.8	....
25	ν Ophiuchi.	9	54 55.14	− 0.30	[**−49.00**]	48 35 59.30	46.098	− 3.84	+1 2.1	17 54 5.89	.....	− 9 45 50.7	....
26	δ Ursæ Minoris.	9	2 3.72	− 4.44	−48.95	312 15 56.02	43.982	− 3.84	−1 0.0	18 1 10.33	.....	+86 37 3.0	....
27	η Serpentis.	9	17 29.99	− 0.30	**−48.98**	41 45 56.58	45.515	− 3.84	+ 49.0	18 16 40.73	.....	− 2 55 21.5	....
28	3 H. Scuti.	9	31 9.61	− 0.30	**−49.00**	47 7 58.10	47.920	− 3.84	+ 59.1	18 30 20.34	.....	− 8 18 28.1	....
29	θ Serpentis.	9	52 35.74	− 0.30	**−49.03**	34 45 57.58	44.412	− 3.84	+ 38.2	18 51 46.46	.....	+ 4 5 13.5	....
30	ζ Andromedæ.	9	43 25.94	− 0.31	**−49.10**	15 3 54.98	46.290	− 3.60	+ 15.0	0 42 36.49	.....	+23 46 56.0	....
31	η Piscium.	9	27 31.93	− 0.29	**−49.18**	23 57 56.58	45.113	− 3.60	+ 24.7	1 26 42.47	.....	+14 53 11.7	....
32	π Piscium.	9	33 11.49	− 0.28	**−49.17**	27 9 56.08	45.008	− 3.60	+ 28.5	1 32 22.04	.....	+11 41 10.8	....
33	Moon II, N.	9	41 13.94	− 0.29	−49.18	31 3 56.08	43.592	− 3.60	+ 33.4	1 40 24.47	−69.14	+ 7 47 38.2	....
34	ζ Ceti.	9	47 53.09	− 0.27	**−49.21**	49 37 58.65	42.262	− 3.60	+1 5.1	1 47 3.64	.....	−10 46 25.8	....
35	ξ Piscium.	9	49 45.67	− 0.27	**−49.20**	36 5 57.98	45.118	− 3.60	+ 40.5	1 48 56.22	.....	+ 2 44 54.4	....
36	ξ¹ Ceti.	9	9 5.56	− 0.28	**−49.16**	30 25 56.40	43.230	− 3.60	+ 32.6	2 8 16.09	.....	+ 8 25 47.0	....
37	ξ² Ceti.	9	24 14.18	− 0.28	**−49.18**	30 47 56.85	43.382	− 3.60	+ 33.1	2 23 24.70	.....	+ 8 3 42.6	....
38	δ Ceti.	9	35 43.87	− 0.27	**−49.14**	38 53 55.82	45.430	− 3.60	+ 44.7	2 34 54.40	.....	− 0 3 14.8	....
	September 20, M.												
39	γ Orionis.	9	21 9.29	− 0.27	**−49.18**	32 33 52.32	47.032	− 3.30	+ 35.6	5 20 19.84	.....	+ 6 16 20.9	....
40	δ Orionis.	9	28 15.46	− 0.27	**−49.15**	39 11 54.42	46.580	− 3.30	+ 45.4	5 27 26.01	.....	− 0 21 40.7	....
41	ζ Orionis.	9	37 3.99	− 0.27	**−49.20**	40 49 52.98	45.062	− 3.30	+ 48.1	5 36 14.53	.....	− 1 59 7.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 11 39	30.040	70.7	70.4
17 23	29.926	70.3	70.0
17 40	......	....	68.9
18 5	......	....	68.0
18 17	......	....	67.9
18 31	......	....	65.1
18 53	......	....	64.7
20 8	29.918	63.5	61.1
20 52	......	....	59.9
21 28	29.910	61.0	59.7
22 27	29.906	60.8	59.0
22 53	......	....	58.7
23 22	29.900	59.8	58.1
20 11 50	29.732	76.2	76.2
17 23	29.680	77.1	76.0
17 40	......	....	75.1
17 55	......	....	74.8
18 18	......	....	74.1
18 32	......	....	73.7
18 53	29.682	74.2	73.0
0 44	29.692	68.5	67.9
1 28	......	....	68.8
1 53	29.682	68.7	68.4
2 25	29.680	68.4	68.6
2 36	......	....	68.6
5 21	29.700	67.7	66.8
5 37	......	....	66.7

Micrometer bisections are made at II, VI, except as noted below.

1, 21. Bisections at I, II, III.
2, 22. Bisections at V, VI, VII.
6, 26. Bisections at b_4, b_5, b_6.
8, 12, 31. Bisections at II, VI, VII.
11. Bisections at II, VII.
17, 33. Bisections at II, III, IV, V, VI.
34. Bisections at I, II.

Notes.

8. Conditions very poor.
12. Very diffuse and unsteady.
14, 16, 18, 19, 38. Clouds.
15. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.2	+15 56.1	...	+16 1.3
2	+ 5.1	−15 56.1	...	−15 51.0
17	+46 24.5	+16 8.6	...	+62 33.1
21	+ 5.3	−15 57.9	...	−15 52.6
22	+ 5.3	+15 57.8	...	+16 3.1
33	+30 59.8	−16 28.7	...	+14 31.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Orionis	9	44 20.16	− 0.27	[**−49.26**]	48 31 54.80	46.090	− 3.30	+1 3.0	5 43 30.70	.....	− 9 41 47.4	....
2	α Orionis	9	51 8.92	− 0.28	[**−49.18**]	31 27 54.35	43.635	− 3.30	+ 34.1	5 50 19.45	.....	+ 7 23 38.0	....
3	δ Ursæ Minoris s. p.	9	1 55.17	+ 4.47	−49.20	305 29 55.12	45.032	− 3.30	−1 17.6	18 1 10.44	.....	+86 37 3.0	....
4	8 Monocerotis	8	19 50.70	− 0.27	[**−49.16**]	34 11 55.10	46.360	− 3.30	+ 37.8	6 19 1.22	.....	+ 4 38 31.3	....
	September 21, M.												
5	Sun I, S	9	51 45.40	− 0.26	−49.39	38 13 52.22	47.562	− 2.93	+ 43.0	11 50 55.75	+64.01	+ 0 36 0.7	....
6	Sun II, N	9	53 53.41	− 0.26	−49.39	37 41 51.80	47.938	− 2.93	+ 42.2	11 53 3.76	−64.00	+ 1 7 54.1	....
7	α Trianguli	9	48 49.63	− 0.32	**−49.82**	9 41 52.45	47.375	− 3.24	+ 9.6	1 47 59.50	.....	+29 8 38.6	....
8	β Arietis	9	50 32.63	− 0.30	**−49.86**	18 27 54.40	47.722	− 3.24	+ 18.8	1 49 42.52	.....	+20 22 19.7	....
9	Saturn I, C	5	17 43.80	− 0.29	−49.83	27 59 53.58	49.189	− 3.24	+ 29.9	2 16 53.68	+ 0.67	+10 51 11.2	....
10	Saturn II	5	17 45.14	− 0.29	−49.83	... .	......	....	. ....	2 16 55.02	− 0.67	.. ..	....
11	Moon II, N	9	37 59.19	− 0.30	−49.84	24 35 53.08	44.326	− 3.24	+ 25.8	2 37 9.05	−70.68	+14 15 31.6	....
12	μ Ceti	9	40 57.04	− 0.29	**−49.88**	29 5 53.80	47.182	− 3.24	+ 31.4	2 40 6.91	.....	+ 9 44 20.1	....
13	σ Arietis	9	47 23.82	− 0.29	**−49.87**	24 7 51.38	45.965	− 3.24	+ 25.3	2 46 33.69	.....	+14 42 56.4	....
14	ε Arietis (*mean*)	9	54 56.32	− 0.30	**−49.85**	17 51 51.95	45.928	− 3.24	+ 18.2	2 54 6.17	.....	+20 59 3.8	....
15	δ Arietis	9	7 21.34	− 0.30	**−49.86**	19 27 52.98	44.880	− 3.24	+ 20.0	3 6 31.19	.....	+19 23 24.9	....
16	ζ Arietis	9	10 36.02	− 0.30	**−49.84**	18 7 52.02	46.368	− 3.24	+ 18.5	3 9 45.87	.....	+20 42 53.4	....
17	ο Tauri	9	20 50.51	− 0.29	**−49.88**	30 7 53.10	45.370	− 3.24	+ 32.8	3 20 0.36	.....	+ 8 43 0.8	....
18	f Tauri	9	26 46.52	− 0.29	**−49.85**	26 13 53.00	43.095	− 3.24	+ 27.9	3 25 56.37	.....	+12 37 57.8	....
19	δ Eridani	9	39 48.42	− 0.28	**−49.87**	48 53 53.65	45.830	− 3.24	+1 4.8	3 38 58.27	.....	−10 3 42.2	....
20	o^1 Eridani	8	8 20.40	− 0.28	**−49.88**	45 53 53.48	46.850	− 3.24	+ 58.5	4 7 30.24	.....	− 7 3 59.0	....
21	o^2 Eridani	9	11 59.78	− 0.28	**−49.91**	46 37 54.42	44.890	− 3.24	+1 0.0	4 11 9.62	.....	− 7 47 16.7	....
	September 21, L.												
22	γ Orionis	9	21 10.11	− 0.29	**−49.95**	32 33 57.20	46.710	− 3.75	+ 36.4	5 20 19.80	.....	+ 6 16 23.0	....
23	δ Orionis	9	28 16.39	− 0.28	**−50.04**	39 11 58.92	46.275	− 3.75	+ 46.4	5 27 26.08	.....	− 0 21 38.7	....
24	ε Orionis	9	32 30.59	− 0.28	**−50.00**	40 5 59.32	45.230	− 3.75	+ 47.9	5 31 40.28	.....	− 1 15 16.8	....
25	ζ Orionis	9	37 4.80	− 0.28	**−49.97**	40 49 56.88	44.795	− 3.75	+ 49.2	5 36 14.49	.....	− 1 59 5.7	....
26	κ Orionis	9	44 20.97	− 0.28	**−50.03**	48 31 58.82	45.790	− 3.75	+1 4.4	5 43 30.66	.....	− 9 41 45.5	....
27	α Orionis	9	51 9.78	− 0.29	[**−50.00**]	31 27 57.35	43.415	− 3.75	+ 34.9	5 50 19.45	.....	+ 7 23 39.6	....
28	δ Ursæ Minoris s. p.	9	1 55.78	+ 3.97	−50.04	305 29 55.80	45.209	− 3.75	−1 19.5	18 1 9.71	.....	+86 37 5.3	....
29	8 Monocerotis	9	19 51.54	− 0.28	[**−49.96**]	34 11 57.85	46.145	− 3.75	+ 38.8	6 19 1.21	.....	+ 4 38 32.9	....
	September 22, L.												
30	Sun I, N	9	55 21.39	− 0.20	−50.21	38 5 54.80	45.872	− 2.89	+ 43.9	11 54 30.98	+64.12	+ 0 44 35.8	....
31	Sun II, S	9	57 29.62	− 0.20	−50.21	38 37 53.02	45.812	− 2.89	+ 44.7	11 56 39.21	−64.11	+ 0 12 39.0	....
32	σ Ophiuchi	9	22 54.69	− 0.27	[**−50.30**]	34 37 57.40	44.735	− 3.57	+ 38.6	17 22 4.06	.....	+ 4 13 5.6	....
33	β Ophiuchi	9	39 53.49	− 0.27	[**−50.35**]	34 13 56.95	46.872	− 3.57	+ 38.1	17 39 2.85	.....	+ 4 36 17.7	....
34	ν Ophiuchi	.	.. ..	....	.....	48 35 58.00	46.050	− 3.57	+1 3.5	17 54	.....	− 9 45 49.9	....
35	δ Ursæ Minoris	9	2 3.22	− 4.66	−50.38	312 15 54.78	44.093	− 3.57	−1 1.4	18 1 8.18	.....	+86 37 2.8	....
36	η Serpentis	9	17 31.37	− 0.26	**−50.43**	41 45 56.65	45.425	− 3.57	+ 50.2	18 16 40.72	.....	− 2 55 21.0	....
37	3 H. Scuti	9	31 10.93	− 0.26	**−50.39**	47 7 57.82	47.832	− 3.57	+1 0.6	18 30 20.28	.....	− 8 18 27.6	....
38	4 H. Scuti	9	38 13.19	− 0.26	**−50.36**	47 57 58.30	47.448	− 3.57	+1 2.4	18 37 22.53	.....	− 9 8 21.1	....
39	θ Serpentis	9	52 37.04	− 0.27	**−50.39**	34 45 57.10	44.378	− 3.57	+ 39.1	18 51 46.37	.....	+ 4 5 13.5	....
40	λ Aquilæ	9	2 20.92	− 0.26	**−50.45**	43 51 57.52	44.422	− 3.57	+ 54.2	19 1 30.25	.....	− 5 1 3.0	....
41	ζ Ceti	9	47 54.57	− 0.23	**−50.69**	49 37 57.15	42.248	− 3.27	+1 7.1	1 47 3.73	.....	−10 46 26.1	....
42	ξ Piscium	9	49 47.07	− 0.23	**−50.61**	36 5 56.52	45.078	− 3.27	+ 41.6	1 48 56.23	.....	+ 2 44 55.3	....
43	Saturn I, C	5	17 31.94	− 0.24	−50.62	28 1 55.85	47.140	− 3.27	+ 30.5	2 16 41.08	+ 0.68	+10 49 55.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 6 2	......	....	67.0
6 20	29.710	67.8	67.1
21 11 54	29.764	78.3	78.0
1 49	29.866	67.3	66.2
2 18	......	....	65.1
2 38	29.870	65.8	64.3
2 55	......	....	63.3
3 21	......	....	62.7
3 40	29.880	63.6	62.1
4 8	......	....	61.4
4 12	29.884	62.8	61.3
5 22	29.918	61.4	60.1
5 38	......	....	59.6
5 59	......	....	59.0
6 18	29.944	60.7	58.7
22 11 57	30.032	71.7	70.2
17 20	30.000	71.3	70.0
17 55	......	....	68.6
18 18	......	....	67.4
18 32	30.000	68.0	67.0
18 53	......	....	66.2
19 1	30.008	67.3	65.9
1 47	30.032	61.2	60.0
2 18	......	....	59.1

Micrometer bisections are made at II, VI, except as noted below.

3, 35. Bisections at b_4, b_5, b_6.
5, 30. Bisections at I, II, III.
6, 31. Bisections at V, VI, VII.
7. Bisections at I, II.
9, 43. Z. D. threads C used.
9, 43. Bisections at I, II, VI, VII.
11. Bisections at II, III, IV, V, VI.
28. Bisections at b_3, b_4, b_5, b_6, b_7.

Note.

41. Revolutions of micrometer reading assumed.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 5.4	+15 56.7	...	+16 2.1
6	+ 5.3	−15 56.6	...	−15 51.3
9	+ 0.5	.. ....	...	+ 0.5
11	+24 56.4	−16 27.2	...	+ 8 29.2
30	+ 5.4	−15 58.4	...	−15 53.0
31	+ 5.5	+15 58.3	...	+16 3.8
43	+ 0.5	.. ....	...	+ 0.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Saturn II............	5	17 33.29	− 0.24	−50.62	... .	......	....	. ....	2 16 42.43	− 0.67	.. ..	....
2	δ Ceti..................	9	35 45.38	− 0.23	**−50.65**	38 53 55.32	45.368	− 3.27	+ 46.2	2 34 54.52	.....	− 0 3 14.7	....
3	γ Ceti..................	9	39 31.38	− 0.23	**−50.62**	35 59 56.18	42.985	− 3.27	+ 41.6	2 38 40.52	.....	+ 2 51 43.5	....
4	σ Arietis...............	9	47 24.54	− 0.24	**−50.62**	24 7 55.60	45.695	− 3.27	+ 25.7	2 46 33.67	.....	+14 42 58.0	....
5	ε Arietis (*mean*)........	9	54 57.09	− 0.25	**−50.65**	17 51 56.55	45.662	− 3.27	+ 18.5	2 54 6.20	.....	+20 59 5.0	....
6	δ Arietis...............	9	7 22.06	− 0.24	**−50.62**	19 27 56.52	44.675	− 3.27	+ 20.3	3 6 31.18	.....	+19 23 25.8	....
7	ζ Arietis...............	9	10 36.81	− 0.25	**−50.65**	18 7 56.15	46.115	− 3.27	+ 18.8	3 9 45.91	.....	+20 42 54.7	....
8	ο Tauri..................	9	20 51.25	− 0.23	**−50.66**	30 7 56.50	45.145	− 3.27	+ 33.3	3 20 0.37	.....	+ 8 43 2.1	....
9	*f* Tauri..................	9	26 47.27	− 0.24	**−50.62**	26 13 56.30	42.880	− 3.27	+ 28.2	3 25 56.38	.....	+12 37 59.1	....
10	Moon II, N..........	9	37 24.67	− 0.25	−50.66	19 3 56.00	43.810	− 3.27	+ 19.8	3 36 33.76	−72.56	+19 47 46.5	....
11	η Tauri..................	9	43 1.10	− 0.25	**−50.62**	15 1 56.10	43.820	− 3.27	+ 15.4	3 42 10.19	.....	+23 49 50.6	....
12	o^1 Eridani...............	9	8 21.12	− 0.23	**−50.63**	45 53 56.95	46.655	− 3.27	+ 59.2	4 7 30.22	.....	− 7 3 58.7	....
13	o^2 Eridani...............	9	12 0.52	− 0.23	**−50.68**	46 37 57.42	44.690	− 3.27	+1 0.7	4 11 9.61	.....	− 7 47 15.8	....
	September 22, M.												
14	γ Orionis...............	9	21 10.74	− 0.21	**−50.64**	32 33 52.82	46.960	− 3.32	+ 36.7	5 20 19.93	.....	+ 6 16 21.0	....
15	δ Orionis...............	9	28 16.93	− 0.21	**−50.62**	39 11 54.20	46.528	− 3.32	+ 46.8	5 27 26.11	.....	− 0 21 40.7	....
16	ζ Orionis...............	9	37 5.33	− 0.21	**−50.55**	40 49 51.92	45.065	− 3.32	+ 49.6	5 36 14.51	.....	− 1 59 7.7	....
17	κ Orionis...............	9	44 21.54	− 0.21	**−50.64**	48 31 54.15	46.028	− 3.32	+1 5.0	5 43 30.72	.....	− 9 41 47.3	....
18	α Orionis...............	9	51 10.35	− 0.21	**−50.61**	31 27 53.45	43.632	− 3.32	+ 35.2	5 50 19.52	.....	+ 7 23 37.9	....
19	δ Ursæ Minoris S. P.	7	1 56.30	+ 3.44	−50.62	305 29 56.42	45.097	− 3.32	−1 20.0	18 1 9.12	.....	+86 37 3.3	....
	September 23, M.												
20	Sun I, N............	9	58 57.64	− 0.18	−50.82	38 29 52.88	44.357	− 3.03	+ 44.4	11 58 6.64	+63.98	+ 0 21 12.0	....
21	Sun II, S............	9	1 5.60	− 0.18	−50.82	39 1 52.85	44.093	− 3.03	+ 45.2	12 0 14.60	−63.98	− 0 10 41.9	....
	September 24, M.												
22	o^1 Eridani...............	9	8 22.59	− 0.25	**−52.02**	45 53 53.12	46.935	− 3.20	+ 57.9	4 7 30.33	.....	− 7 4 0.1	....
23	o^2 Eridani...............	9	12 1.98	− 0.25	**−52.06**	46 37 52.80	45.012	− 3.20	+ 59.4	4 11 9.71	.....	− 7 47 17.3	....
24	ν Eridani...............	9	32 43.46	− 0.25	**−52.04**	42 21 50.35	46.985	− 3.20	+ 51.3	4 31 51.18	.....	− 3 31 51.8	....
25	τ Tauri..................	9	37 44.87	− 0.28	**−51.95**	16 3 49.55	45.650	− 3.20	+ 16.2	4 36 52.56	.....	+22 47 14.5	....
26	ι Tauri..................	9	58 37.21	− 0.28	**−51.99**	17 23 50.22	43.920	− 3.20	+ 17.7	4 57 44.89	.....	+21 27 51.9	....
27	11 Orionis...............	9	0 19.78	− 0.27	**−52.05**	23 33 49.72	46.088	− 3.20	+ 24.6	4 59 27.47	.....	+15 16 55.9	....
28	γ Orionis...............	9	21 12.28	− 0.26	**−52.07**	32 33 52.28	47.022	− 3.20	+ 35.9	5 20 19.97	.....	+ 6 16 20.7	....
29	δ Orionis...............	9	28 18.48	− 0.25	**−52.08**	39 11 52.02	46.672	− 3.20	+ 45.9	5 27 26.18	.....	− 0 21 41.0	....
30	ζ Tauri..................	9	33 10.14	− 0.28	**−52.06**	17 45 51.42	45.048	− 3.20	+ 18.1	5 32 17.81	.....	+21 5 24.5	....
31	ζ Orionis...............	9	37 6.93	− 0.25	**−52.05**	40 49 50.88	45.135	− 3.20	+ 48.6	5 36 14.62	.....	− 1 59 7.6	....
32	Moon II, N..........	9	43 57.44	− 0.30	−52.06	12 23 51.32	47.550	− 3.20	+ 12.4	5 43 5.08	−75.06	+26 26 33.1	....
33	δ Ursæ Minoris S. P.	9	1 56.17	+ 4.15	−52.07	305 29 55.62	45.055	− 3.20	−1 18.4	18 1 8.25	.....	+86 37 3.3	....
34	8 Monocerotis..........	9	19 53.66	− 0.26	[**−52.01**]	34 11 51.95	46.482	− 3.20	+ 38.3	6 19 1.32	.....	+ 4 38 30.9	....
	September 25, M.												
35	o^2 Eridani...............	9	12 2.69	− 0.26	**−52.74**	46 37 50.22	45.108	− 3.22	+ 59.5	4 11 9.74	.....	− 7 47 17.0	....
36	γ Tauri..................	9	15 35.37	− 0.28	**−52.70**	23 25 51.60	46.255	− 3.22	+ 24.4	4 14 42.40	.....	+15 24 50.5	....
37	δ Tauri..................	9	18 39.78	− 0.28	**−52.74**	21 31 50.62	43.075	− 3.22	+ 22.2	4 17 46.81	.....	+17 20 6.3	....
38	ε Tauri..................	9	24 16.77	− 0.29	**−52.70**	19 51 51.20	45.885	− 3.22	+ 20.4	4 23 23.79	.....	+18 59 3.3	....
39	τ Tauri..................	9	37 45.63	− 0.30	**−52.66**	16 3 49.02	45.675	− 3.22	+ 16.3	4 36 52.63	.....	+22 47 14.4	....
40	ι Tauri..................	9	58 37.94	− 0.29	**−52.68**	17 23 49.78	43.932	− 3.22	+ 17.7	4 57 44.94	.....	+21 27 51.8	....
41	11 Orionis...............	9	0 20.44	− 0.28	**−52.67**	23 33 50.20	46.070	− 3.22	+ 24.6	4 59 27.45	.....	+15 16 55.9	....
42	γ Orionis...............	9	21 12.96	− 0.27	**−52.71**	32 33 48.58	47.172	− 3.22	+ 36.0	5 20 19.97	.....	+ 6 16 20.9	....
43	δ Orionis...............	9	28 19.18	− 0.26	**−52.74**	39 11 51.12	46.695	− 3.22	+ 45.9	5 27 26.19	.....	− 0 21 40.6	....
44	ε Orionis...............	9	32 33.44	− 0.26	**−52.75**	40 5 51.60	45.632	− 3.22	+ 47.4	5 31 40.45	.....	− 1 15 18.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 2 36	......	....	58.2
2 42	30.026	60.1	58.2
3 12	......	....	58.1
3 34	......	....	57.9
4 12	30.034	59.1	57.9
5 21	30.046	59.2	57.4
5 37	......	....	57.2
5 51	......	....	57.1
6 2	30.046	58.8	57.3
23 12 1	30.050	70.3	71.9
24 4 8	29.924	67.8	66.2
4 33	......	....	65.9
5 0	......	....	65.7
5 21	29.926	66.8	65.8
5 49	......	....	65.8
6 20	29.942	66.8	65.3
25 4 12	29.830	66.7	64.2
4 38	......	....	63.8
5 0	......	....	63.8
5 21	29.828	65.7	63.8

Micrometer bisections are made at II, VI, except as noted below.

10, 32. Bisections at II, III, IV, V, VI.
19, 33. Bisections at b_4, b_5, b_6.
20. Bisections at I, II, III.
21. Bisections at V, VI, VII.
31, 40. Bisections at I, II.
34. Bisections at I, II, VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+19 26.2	−16 22.2	...	+ 3 4.0
20	+ 5.4	−15 56.9	...	−15 51.5
21	+ 5.5	+15 56.9	...	+16 2.4
32	+12 31.6	−16 5.2	...	− 3 33.6

Note.

31. Very faint; clouds.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Orionis	9	37 7.64	− 0.26	**−52.72**	40 49 49.62	45.180	− 3.22	+ 48.6	5 36 14.65	.....	− 1 59 7.1	....
2	κ Orionis	9	44 23.78	− 0.26	**−52.74**	48 31 50.75	46.220	− 3.22	+1 3.7	5 43 30.79	.....	− 9 41 47.1	....
3	α Orionis	9	51 12.61	− 0.27	**−52.72**	31 27 50.25	43.785	− 3.22	+ 34.5	5 50 19.60	.....	+ 7 23 38.2	....
4	δ Ursæ Minoris s. p.	9	1 56.11	+ 4.45	−52.74	305 29 55.55	45.087	− 3.22	−1 18.5	18 1 7.82	.....	+86 37 3.8	....
5	8 Monocerotis	9	19 54.39	− 0.26	[**−52.71**]	34 11 50.65	46.555	− 3.22	+ 38.3	6 19 1.38	.....	+ 4 38 30.7	....
6	Moon II, S	9	48 34.34	− 0.32	−52.76	12 19 50.42	47.531	− 3.22	+ 12.4	6 47 41.26	−74.63	+26 30 34.5	....
	September 26, M.												
7	Sun I, S	9	9 46.93	− 0.28	−52.95	40 11 51.52	44.618	− 3.02	+ 46.1	12 8 53.70	+64.18	− 1 20 54.3	....
8	Sun II, N	9	11 55.29	− 0.28	−52.95	39 39 53.90	44.775	− 3.02	+ 45.2	12 11 2.06	−64.18	− 0 48 58.5	....
9	σ Ophiuchi	9	22 57.46	− 0.31	[**−53.09**]	34 37 49.75	45.190	− 4.00	+ 37.6	17 22 4.02	.....	+ 4 13 4.2	....
10	β Ophiuchi	9	39 56.18	− 0.31	[**−53.07**]	34 13 48.50	47.385	− 4.00	+ 37.1	17 39 2.73	.....	+ 4 36 15.8	....
11	ν Ophiuchi	9	54 59.13	− 0.30	[**−53.09**]	48 35 49.10	46.615	− 4.00	+1 1.8	17 54 5.69	.....	− 9 45 51.8	....
12	δ Ursæ Minoris	9	2 5.33	− 4.96	−53.15	312 15 56.20	43.877	− 4.00	− 59.8	18 1 7.22	.....	+86 37 5.2	....
13	η Serpentis	9	17 34.07	− 0.30	[**−53.15**]	41 45 47.90	45.958	− 4.00	+ 48.8	18 16 40.61	.....	− 2 55 22.6	....
14	3 H. Scuti	9	31 13.68	− 0.30	**−53.16**	47 7 48.48	48.418	− 4.00	+ 59.0	18 30 20.22	.....	− 8 18 29.6	....
15	θ Serpentis	9	52 39.79	− 0.31	**−53.16**	34 45 48.78	44.838	− 4.00	+ 38.1	18 51 46.31	.....	+ 4 5 12.8	....
	September 26, P.												
16	ζ Ceti	9	47 57.42	− 0.23	**−53.48**	49 37 46.30	42.850	− 4.30	+1 5.7	1 47 3.77	.....	−10 46 26.6	....
17	ξ Piscium	9	49 50.01	− 0.24	**−53.47**	36 5 44.72	45.675	− 4.30	+ 40.8	1 48 56.34	.....	+ 2 44 55.4	....
18	Saturn I, C	5	16 41.71	− 0.25	−53.44	28 5 47.05	50.805	− 4.30	+ 29.9	2 15 48.02	+ 0.74	+10 44 41.9	....
19	Saturn II	5	16 43.20	− 0.25	−53.44	... .	......	....	. ....	2 15 49.51	− 0.75	.. ..	....
20	δ Ceti	9	35 48.32	− 0.24	**−53.50**	38 53 45.45	45.890	− 4.20	+ 45.1	2 34 54.63	.....	− 0 3 14.8	....
21	γ Ceti	9	39 34.31	− 0.24	**−53.46**	35 59 43.62	43.645	− 4.20	+ 40.6	2 38 40.62	.....	+ 2 51 42.9	....
22	σ Arietis	9	47 27.47	− 0.26	**−53.44**	24 7 46.05	46.205	− 4.20	+ 25.1	2 46 33.76	.....	+14 42 57.4	....
23	ε Arietis (*mean*)	9	55 0.04	− 0.28	**−53.47**	17 51 47.15	46.138	− 4.20	+ 18.1	2 54 6.30	.....	+20 59 4.8	....
24	ζ Arietis	9	10 39.75	− 0.28	**−53.46**	18 7 48.92	46.510	− 4.20	+ 18.4	3 9 46.01	.....	+20 42 54.3	....
25	ο Tauri	9	20 54.20	− 0.25	**−53.49**	30 7 48.60	45.592	− 4.20	+ 32.5	3 20 0.48	.....	+ 8 43 1.5	....
26	*f* Tauri	9	26 50.26	− 0.26	**−53.49**	26 13 48.95	43.300	− 4.20	+ 27.6	3 25 56.53	.....	+12 37 58.4	....
27	*A* Tauri	9	0 18.42	− 0.28	**−53.46**	16 59 48.22	47.940	− 4.20	+ 17.2	3 59 24.65	.....	+21 50 23.5	....
28	o^1 Eridani	9	8 24.12	− 0.24	**−53.51**	45 53 49.15	47.112	− 4.20	+ 57.8	4 7 30.39	.....	− 7 3 59.0	....
29	o^2 Eridani	9	12 3.49	− 0.24	**−53.53**	46 37 49.70	45.175	− 4.20	+ 59.3	4 11 9.75	.....	− 7 47 16.8	....
30	γ Tauri	9	15 36.18	− 0.26	**−53.50**	23 25 47.95	46.402	− 4.20	+ 24.3	4 14 42.42	.....	+15 24 51.8	....
31	δ Tàuri	9	18 40.56	− 0.27	**−53.50**	21 31 48.18	43.178	− 4.20	+ 22.1	4 17 46.79	.....	+17 20 7.5	....
32	ε Tauri	9	24 17.53	− 0.27	**−53.45**	19 51 47.45	46.075	− 4.20	+ 20.3	4 23 23.76	.....	+18 59 3.7	....
33	ν Eridani	9	32 44.98	− 0.24	**−53.51**	42 21 47.60	47.118	− 4.20	+ 51.1	4 31 51.23	.....	− 3 31 50.9	....
34	53 Eridani	9	34 59.16	− 0.23	**−53.61**	53 17 44.95	47.683	− 4.20	+1 15.1	4 34 5.42	.....	−14 28 25.1	....
35	ι Tauri	9	58 38.75	− 0.28	**−53.47**	17 23 46.95	44.068	− 4.00	+ 17.6	4 57 44.95	.....	+21 27 52.7	....
36	11 Orionis	9	0 21.24	− 0.26	**−53.46**	23 33 45.98	46.240	− 4.00	+ 24.5	4 59 27.46	.....	+15 16 57.3	....
37	γ Orionis	9	21 13.74	− 0.23	**−53.50**	32 33 46.92	47.260	− 4.00	+ 35.9	5 20 19.98	.....	+ 6 16 21.5	....
38	δ Orionis	9	28 19.96	− 0.23	**−53.52**	39 11 48.65	46.820	− 4.00	+ 45.8	5 27 26.20	.....	− 0 21 40.1	....
39	ζ Orionis	9	37 8.38	− 0.22	**−53.47**	40 49 48.32	45.282	− 4.00	+ 48.5	5 36 14.62	.....	− 1 59 7.3	....
40	κ Orionis	9	44 24.57	− 0.22	**−53.54**	48 31 48.78	46.330	− 4.00	+1 3.5	5 43 30.81	.....	− 9 41 46.7	....
41	α Orionis	9	51 13.39	− 0.24	**−53.50**	31 27 48.58	43.860	− 4.00	+ 34.4	5 50 19.61	.....	+ 7 23 39.0	....
42	δ Ursæ Minoris s. p.	9	1 56.06	+ 4.41	−53.55	305 29 46.70	45.543	− 4.00	−1 18.3	18 1 6.92	.....	+86 37 4.8	....
43	8 Monocerotis	9	19 55.21	− 0.23	[**−53.53**]	34 11 49.10	46.590	− 4.00	+ 38.2	6 19 1.42	.....	+ 4 38 32.3	....
44	Moon II, S	9	51 25.57	− 0.28	−53.60	13 31 47.40	48.632	− 4.00	+ 13.5	7 50 31.69	−72.94	+25 18 12.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 5 51	......	....	63.5
6 2	29.834	65.2	63.4
6 49	29.848	65.2	63.6
26 12 12	29.870	80.5	80.5
17 23	29.820	82.0	80.8
17 40	......	....	80.1
18 18	29.826	79.6	78.1
18 53	29.828	78.2	76.7
1 46	......	....	67.0
1 47	29.840	68.8	....
2 19	......	....	66.8
2 43	29.826	68.1	66.5
3 2	......	....	66.4
3 28	29.824	68.0	66.1
3 58	29.820	67.9	66.0
4 22	......	....	65.9
4 39	......	....	65.8
4 57	29.830	67.1	65.3
5 20	......	....	65.0
5 40	......	....	65.0
5 58	......	....	64.9
6 22	29.836	66.0	64.3
7 51	29.854	69.0	67.8

Micrometer bisections are made at II, VI, except as noted below.

4, 12, 42. Bisections at b_4, b_5, b_6.
6, 44. Bisections at II, III, IV, V, VI.
7. Bisections at I, II, III.
8. Bisections at V, VI, VII.
17, 34. Bisections at II, VI, VII.
18. Z. D. threads C used.
18. Bisections at I, II, VI, VII.
32. Bisections at I, II, VI.
36. Bisections at VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+12 19.7	+15 55.1	...	+28 14.8
7	+ 5.6	+15 57.9	...	+16 3.5
8	+ 5.6	−15 57.9	...	−15 52.3
18	+ 0.5	.. ....	...	+ 0.5
44	+13 22.8	+15 44.9	...	+29 7.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	September 27, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	13 24.02	− 0.22	−53.71	40 33 46.45	48.495	− 3.56	+ 46.7	12 12 30.09	+64.15	− 1 44 17.9	....
2	Sun II, N.	9	15 32.31	− 0.22	−53.71	40 1 46.68	48.792	− 3.56	+ 45.8	12 14 38.38	−64.14	− 1 12 23.2	....
3	σ Ophiuchi	9	22 58.21	− 0.34	[**−53.83**]	34 37 45.30	45.402	− 4.60	+ 37.6	17 22 4.03	.....	+ 4 13 4.5	....
4	β Ophiuchi	9	39 56.99	− 0.34	[**−53.87**]	34 13 44.72	47.578	− 4.60	+ 37.2	17 39 2.80	.....	+ 4 36 15.7	....
5	ν Ophiuchi	9	54 59.94	− 0.32	[**−53.90**]	48 35 45.40	46.752	− 4.60	+1 2.0	17 54 5.76	.....	− 9 45 50.8	....
6	δ Ursæ Minoris	9	2 6.00	− 5.54	−53.86	312 15 42.80	44.542	− 4.60	− 59.9	18 1 6.60	.....	+86 37 4.1	....
7	η Serpentis	7	17 34.91	− 0.33	[**−53.98**]	41 45 45.28	46.040	− 4.60	+ 48.9	18 16 40.71	.....	− 2 55 21.4	....
8	θ Serpentis	9	52 40.58	− 0.34	**−53.94**	34 45 45.70	44.962	− 4.60	+ 38.1	18 51 46.35	.....	+ 4 5 13.6	....
	September 27, L.												
9	γ Orionis	9	21 14.56	− 0.26	**−54.26**	32 33 55.30	46.855	− 3.88	+ 35.9	5 20 20.04	.....	+ 6 16 22.2	....
10	δ Orionis	9	28 20.72	− 0.25	**−54.23**	39 11 57.42	46.408	− 3.87	+ 45.8	5 27 26.21	.....	− 0 21 39.6	....
11	ε Orionis	9	32 35.03	− 0.25	**−54.29**	40 5 56.70	45.390	− 3.87	+ 47.2	5 31 40.52	.....	− 1 15 17.0	....
12	ζ Orionis	9	37 9.21	− 0.25	**−54.24**	40 49 55.80	44.900	− 3.84	+ 48.5	5 36 14.70	.....	− 1 59 6.2	....
13	κ Orionis	9	44 25.36	− 0.25	**−54.27**	48 31 57.10	45.937	− 3.83	+1 3.5	5 43 30.84	.....	− 9 41 46.1	....
14	α Orionis	9	51 14.18	− 0.26	**−54.24**	31 27 54.75	43.560	− 3.79	+ 34.3	5 50 19.65	.....	+ 7 23 39.6	....
15	δ Ursæ Minoris S. P.	8	1 55.94	+ 4.51	−54.28	305 29 53.48	45.272	− 3.77	−1 18.2	18 1 6.17	.....	+86 37 5.7	....
16	8 Monocerotis	9	19 55.98	− 0.26	[**−54.24**]	34 11 57.38	46.195	− 3.71	+ 38.2	6 19 1.44	.....	+ 4 38 32.9	....
17	β Geminorum	9	40 44.59	− 0.31	[**−54.28**]	10 35 55.20	47.218	− 3.44	+ 10.6	7 39 49.96	.....	+28 14 38.8	....
18	β Cancri	9	12 33.74	− 0.26	[**−54.36**]	29 21 57.02	48.221	− 3.35	+ 31.5	8 11 39.14	.....	+ 9 27 53.1	....
19	δ Cancri	9	40 29.90	− 0.28	[**−54.30**]	20 22	......	....	. ....	8 39 35.27	.....	+18 29	....
20	ι Cancri	9	42 10.88	− 0.31	[**−54.25**]	9 45 55.45	45.438	− 3.25	+ 9.6	8 41 16.22	.....	+29 5 20.1	....
21	Moon II	9	50 53.19	− 0.30	−54.37	16 4	......	....	. ....	8 49 58.52	−70.45	.. ..	....
	September 28, L.												
22	Sun I, S.	9	17 0.98	− 0.24	−54.47	40 57 54.68	46.568	− 3.13	+ 47.7	12 16 6.27	+64.25	− 2 7 43.6	....
23	Sun II, N.	9	19 9.47	− 0.24	−54.47	40 25 55.40	46.590	− 3.13	+ 46.8	12 18 14.76	−64.24	− 1 35 43.0	....
24	σ Ophiuchi	9	22 58.90	− 0.29	[**−54.59**]	34 37 57.52	44.772	− 3.91	+ 38.2	17 22 3.97	.....	+ 4 13 5.3	....
25	β Ophiuchi	9	39 57.68	− 0.29	[**−54.63**]	34 13 56.62	46.928	− 3.91	+ 37.8	17 39 2.74	.....	+ 4 36 17.4	....
26	ν Ophiuchi	9	55 0.68	− 0.28	[**−54.70**]	48 35 57.58	46.095	− 3.91	+1 3.0	17 54 5.75	.....	− 9 45 49.7	....
27	δ Ursæ Minoris	9	2 5.00	− 4.23	−54.66	312 15 53.42	44.130	− 3.91	−1 0.9	18 1 6.11	.....	+86 37 3.2	....
28	η Serpentis	9	17 35.56	− 0.28	[**−54.70**]	41 45 55.35	45.505	− 3.91	+ 49.8	18 16 40.62	.....	− 2 55 20.8	....
29	3 H. Scuti	9	31 15.15	− 0.27	[**−54.70**]	47 7 56.80	47.890	− 3.91	+1 0.2	18 30 20.21	.....	− 8 18 27.1	....
30	θ Serpentis	9	52 41.28	− 0.27	**−54.73**	34 45 56.25	44.390	− 3.91	+ 38.9	18 51 46.33	.....	+ 4 5 14.6	....
	September 28, M.												
31	γ Orionis	9	21 15.08	− 0.14	**−54.87**	32 33 50.85	47.090	− 3.43	+ 36.9	5 20 20.06	.....	+ 6 16 19.8	....
32	δ Orionis	9	28 21.32	− 0.14	**−54.91**	39 11 51.75	46.640	− 3.43	+ 47.1	5 27 26.29	.....	− 0 21 41.0	....
33	ζ Tauri	9	33 13.01	− 0.17	**−54.92**	17 45 50.08	45.098	− 3.43	+ 18.5	5 32 17.95	.....	+21 5 24.5	....
34	ζ Orionis	9	37 9.77	− 0.14	**−54.88**	40 49 51.42	45.075	− 3.43	+ 49.9	5 36 14.74	.....	− 1 59 7.6	....
35	κ Orionis	9	44 25.91	− 0.14	**−54.90**	48 31 50.55	46.170	− 3.43	+1 5.4	5 43 30.87	.....	− 9 41 47.3	....
36	α Orionis	9	51 14.77	− 0.14	**−54.92**	31 27 50.12	43.772	− 3.43	+ 35.4	5 50 19.73	.....	+ 7 23 37.9	....
37	ν Orionis	9	3 22.79	− 0.16	**−54.85**	24 3 50.72	46.038	− 3.43	+ 25.9	6 2 27.72	.....	+14 46 55.0	....
38	η Geminorum	9	10 23.62	− 0.17	**−54.88**	16 17 50.68	48.598	− 3.43	+ 17.0	6 9 28.54	.....	+22 32 5.4	....
39	8 Monocerotis	9	79 56.53	− 0.14	[**−54.88**]	34 11 51.30	46.472	− 3.43	+ 39.4	6 19 1.48	.....	+ 4 38 31.0	....
40	Moon II, S.	9	46 15.82	− 0.13	−55.02	20 21 51.68	46.297	− 3.06	+ 21.2	9 45 20.67	−67.72	+18 28 52.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 12 16	29.884	81.3	81.1
17 20	29.816	81.5	80.0
17 42	......	....	79.0
17 59	......	....	78.0
18 20	29.824	78.5	77.0
18 54	29.828	77.4	76.0
5 22	29.820	67.1	65.1
5 38	......	....	65.0
6 6	......	....	65.0
6 20	29.836	66.9	65.0
7 41	[illegible]	67.9	66.0
8 13	......	....	68.3
8 43	......	....	70.7
28 12 19	29.916	77.5	77.3
17 24	29.912	74.8	73.7
17 40	......	....	72.7
17 56	......	....	71.7
18 18	......	....	69.8
18 32	......	....	68.9
18 53	29.926	70.0	67.7
5 21	30.012	56.6	54.1
5 51	30.024	55.8	53.5
6 10	......	....	53.0
6 20	30.030	55.3	52.9
9 46	[illegible]	64.5	62.0

Micrometer bisections are made at II, VI, except as noted below.

1, 22.	Bisections at I, II, III.
2.	Bisections at V, VI, VII.
6, 15, 27.	Bisections at b_4, b_5, b_6.
7, 8, 18, 26.	Bisections at I, II, VI, VII.
13.	Bisections at II, VI, VII.
16.	Bisection at VI.
23.	Bisections at IV, VI, VII.
40.	Bisections at II, III, IV, V, VI.

Notes.

7, 8, 12, 13, 15.	Clouds.
13.	Varying in brightness.
26, 27.	Very unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.7	+15 57.3	...	+16 3.0
2	+ 5.6	−15 57.3	...	−15 51.7
22	+ 5.7	+16 0.3	...	+16 6.0
23	+ 5.7	−16 0.3	...	−15 54.6
40	+19 32.4	+15 25.9	...	+34 58.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	September 29, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	20 38.01	− 0.14	−55.10	40 49 53.72	44.847	− 3.87	+ 48.7	12 19 42.77	+64.28	− 1 59 3.5	....
2	Sun II, S	9	22 46.57	− 0.14	−55.10	41 21 53.75	44.908	− 3.87	+ 49.6	12 21 51.33	−64.28	− 2 31 5.0	....
	September 30, P.												
3	Sun I, N	9	24 15.73	− 0.15	−55.86	41 11 49.78	48.678	− 3.68	+ 48.9	12 23 19.72	+64.30	− 2 22 27.5	....
4	Sun II, S	9	26 24.33	− 0.15	−55.86	41 43 48.72	48.708	− 3.68	+ 49.8	12 25 28.32	−64.30	− 2 54 27.2	....
	October 1, L.												
5	Sun I, N	9	27 53.61	− 0.24	−56.63	41 35 47.85	46.928	− 3.18	+ 48.1	12 26 56.74	+64.34	− 2 45 45.3	....
6	Sun II, S	9	30 2.28	− 0.24	−56.63	42 7 47.95	47.028	− 3.18	+ 49.0	12 29 5.41	−64.33	− 3 17 47.7	....
7	σ Ophiuchi	9	23 0.97	− 0.32	[**−56.68**]	34 37 52.62	45.072	− 4.12	+ 36.9	17 22 3.87	.....	+ 4 13 4.9	....
8	β Ophiuchi	9	39 59.79	− 0.32	[**−56.76**]	34 13 52.42	47.205	− 4.12	+ 36.5	17 39 2.69	.....	+ 4 36 16.8	....
9	ν Ophiuchi	9	55 2.73	− 0.31	[**−56.77**]	48 35 52.68	46.472	− 4.12	+1 0.8	17 54 5.63	.....	− 9 45 51.0	....
10	δ Ursæ Minoris	9	2 7.22	− 5.46	−56.80	312 15 47.90	44.285	− 4.12	− 58.8	18 1 4.96	.....	+86 37 3.2	....
11	η Serpentis	9	17 37.70	− 0.31	[**−56.83**]	41 45 50.18	45.850	− 4.12	+ 48.0	18 16 40.59	.....	− 2 55 21.5	....
12	3 H. Scuti	9	31 17.23	− 0.31	[**−56.79**]	47 7 51.88	48.268	− 4.12	+ 58.0	18 30 20.11	.....	− 8 18 28.5	....
13	110 Herculis	9	42 45.75	− 0.36	**−56.87**	18 23 50.48	44.305	− 4.12	+ 18.0	18 41 48.57	.....	+20 27 43.4	....
14	θ Serpentis	9	52 43.39	− 0.32	**−56.84**	34 45 52.28	44.672	− 4.12	+ 37.5	18 51 46.25	.....	+ 4 5 13.8	....
15	ε Aquilæ	9	56 30.81	− 0.34	**−56.82**	23 53 51.32	46.255	− 4.12	+ 24.0	18 55 33.65	.....	+14 56 52.0	....
16	λ Aquilæ	9	2 27.24	− 0.31	**−56.86**	43 51 51.15	44.845	− 4.12	+ 52.0	19 1 30.10	.....	− 5 1 3.5	....
17	ω Aquilæ	9	14 34.18	− 0.33	**−56.77**	27 23 52.55	48.060	− 4.12	+ 28.1	19 13 37.02	.....	+11 26 5.5	....
18	μ Aquilæ	9	30 40.42	− 0.33	**−56.79**	31 39 50.52	44.575	− 4.12	+ 33.4	19 29 43.25	.....	+ 7 11 22.0	....
	October 2, M.												
19	γ Orionis	9	21 18.02	− 0.14	**−57.69**	32 33 50.45	47.092	− 4.36	+ 37.3	5 20 20.18	.....	+ 6 16 20.7	....
20	δ Orionis	9	28 24.24	− 0.14	**−57.72**	39 11 54.75	46.500	− 4.36	+ 47.6	5 27 26.40	.....	− 0 21 40.3	....
21	ζ Orionis	9	37 12.75	− 0.14	**−57.74**	40 49 53.20	44.972	− 4.36	+ 50.4	5 36 14.90	.....	− 1 59 6.6	....
22	κ Orionis	9	44 28.88	− 0.14	**−57.76**	48 31 54.58	45.950	− 4.36	+1 6.0	5 43 31.03	.....	− 9 41 45.9	....
23	α Orionis	9	51 17.65	− 0.14	**−57.68**	31 27 53.92	43.590	− 4.36	+ 35.7	5 50 19.80	.....	+ 7 23 38.9	....
24	δ Ursæ Minoris s. p.	9	1 59.61	+ 2.39	−57.72	305 29 57.22	45.167	− 4.36	−1 21.4	18 1 4.28	.....	+86 37 3.3	....
25	8 Monocerotis	9	19 59.44	− 0.14	**−57.67**	34 11 55.20	46.322	− 4.36	+ 39.7	6 19 1.57	.....	+ 4 38 31.2	....
26	Mercury II, C	9	47 37.43	− 0.17	−57.90	37 41 55.40	43.899	− 3.85	+ 43.5	11 46 39.36	− 0.30	+ 1 9 22.1	....
	October 3, M.												
27	Sun I, S	8	35 9.89	− 0.17	−57.92	42 53 50.98	48.213	− 3.61	+ 52.2	12 34 11.80	+64.34	− 4 4 21.5	....
28	Sun II, N	9	37 18.57	− 0.17	−57.92	42 21 50.35	48.315	− 3.61	+ 51.2	12 36 20.48	−64.34	− 3 32 21.3	....
	October 3, P.												
29	γ Orionis	9	21 18.93	− 0.21	**−58.51**	32 33 46.15	47.250	− 4.24	+ 36.5	5 20 20.24	.....	+ 6 16 22.3	....
30	δ Orionis	9	28 25.11	− 0.21	**−58.49**	39 11 50.90	46.680	− 4.24	+ 46.6	5 27 26.42	.....	− 0 21 39.7	....
31	ζ Orionis	9	37 13.53	− 0.21	**−58.43**	40 49 49.50	45.165	− 4.24	+ 49.4	5 36 14.84	.....	− 1 59 6.5	....
32	κ Orionis	9	44 29.73	− 0.21	**−58.51**	48 31 50.05	46.230	− 4.24	+1 4.7	5 43 31.03	.....	− 9 41 46.6	....
33	α Orionis	9	51 18.57	− 0.21	**−58.50**	31 27 48.90	43.818	− 4.24	+ 35.0	5 50 19.87	.....	+ 7 23 39.3	....
34	δ Ursæ Minoris s. p.	9	1 58.89	+ 3.60	−58.50	305 29 47.40	45.545	− 4.24	−1 19.7	18 1 3.99	.....	+86 37 3.9	....
35	8 Monocerotis	9	20 0.36	− 0.21	**−58.49**	34 11 49.82	46.532	− 4.24	+ 38.9	6 19 1.64	.....	+ 4 38 32.4	....
	October 4, P.												
36	β Ophiuchi	9	40 1.74	− 0.29	[**−58.78**]	34 13 44.22	47.555	− 4.72	+ 37.6	17 39 2.62	.....	+ 4 36 16.5	....
37	ν Ophiuchi	9	55 4.76	− 0.28	[**−58.87**]	48 35 47.52	46.672	− 4.77	+1 2.7	17 54 5.65	.....	− 9 45 51.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 12 23	30.052	68.0	67.0
30 12 26	29.960	70.1	70.3
1 12 30	29.672	77.2	80.0
17 23	29.606	84.5	86.3
17 40	......	....	85.3
17 56	......	....	84.2
18 18	......	....	83.3
18 35	29.608	81.0	81.9
18 57	......	....	80.3
19 15	......	....	79.2
19 31	29.612	78.0	78.9
2 5 21	30.106	53.2	50.9
5 37	......	....	50.9
6 2	......	....	50.3
6 20	30.110	52.6	50.1
11 48	30.190	69.6	69.8
3 12 37	30.182	70.3	71.1
5 19	30.140	63.0	61.0
5 41	......	....	60.9
5 58	......	....	61.0
6 22	30.144	62.1	61.0
4 17 38	30.074	77.8	77.0
17 58	......	....	76.1

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 5, 27.	Bisections at I, II, III.
2, 4, 6, 28.	Bisections at V, VI, VII.
9, 26.	Bisections at I, II, VI, VII.
10, 24, 34.	Bisections at b_4, b_5, b_6.
18.	Bisection at VI.
29.	Bisections at VI, VII.
33.	Bisections at II, VI, VII.

Note.

10. Very unsteady and faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.7	−16 0.7	...	−15 55.0
2	+ 5.8	+16 0.7	...	+16 6.5
3	+ 5.8	−15 59.9	...	−15 54.1
4	+ 5.8	+15 59.8	...	+16 5.6
5	+ 5.8	−16 1.1	...	−15 55.3
6	+ 5.9	+16 1.2	...	+16 7.1
26	+ 7.1	.. ....	+ 1.0	+ 8.1
27	+ 6.0	+16 0.1	...	+16 6.1
28	+ 5.9	−16 0.0	...	−15 54.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ursæ Minoris	9	2 7.00	− 4.49	−58.84	312 15 44.52	44.515	− 4.79	−1 0.6	18 1 3.67	.....	+86 37 3.8	....
2	η Serpentis	9	17 39.64	− 0.28	[−58.88]	41 45 46.02	46.008	− 4.87	+ 49.5	18 16 40.51	.....	− 2 55 21.6	....
3	3 H. Scuti	9	31 19.26	− 0.28	[−58.90]	47 7 47.60	48.432	− 4.92	+ 59.8	18 30 20.13	.....	− 8 18 28.9	....
4	θ Serpentis	9	52 45.23	− 0.29	−58.86	34 45 45.65	44.973	− 5.02	+ 38.6	18 51 46.18	.....	+ 4 5 13.4	....
	October 4, L.												
5	β Eridani	9	4 26.98	− 0.26	−59.20	44 1 50.70	46.860	− 4.46	+ 54.6	5 3 27.49	.....	− 5 11 51.4	....
6	γ Orionis	9	21 19.76	− 0.26	−59.26	32 33 49.32	47.138	− 4.46	+ 36.1	5 20 20.27	.....	+ 6 16 22.1	....
7	δ Orionis	9	28 25.95	− 0.26	−59.26	39 11 49.72	46.755	− 4.46	+ 46.1	5 27 26.45	.....	− 0 21 39.5	....
8	ε Orionis	9	32 40.22	− 0.26	−59.27	40 5 50.75	45.665	− 4.46	+ 47.5	5 31 40.72	.....	− 1 15 17.0	....
9	ζ Orionis	8	37 14.36	− 0.26	−59.18	40 49 47.78	45.285	− 4.46	+ 48.8	5 36 14.86	.....	− 1 59 6.7	....
10	κ Orionis	9	44 30.58	− 0.26	−59.28	48 31 50.55	46.238	− 4.46	+1 3.9	5 43 31.07	.....	− 9 41 46.3	....
11	α Orionis	9	51 19.41	− 0.26	−59.26	31 27 48.98	43.832	− 4.46	+ 34.6	5 50 19.90	.....	+ 7 23 39.5	....
12	δ Ursæ Minoris s. p.	9	1 58.83	+ 4.10	−59.25	305 29 46.58	45.572	− 4.46	−1 18.7	18 1 3.68	.....	+86 37 4.5	....
13	8 Monocerotis	9	20 1.18	− 0.26	−59.23	34 11 49.88	46.545	− 4.46	+ 38.4	6 19 1.66	.....	+ 4 38 32.8	....
14	Mercury C, C	9	47 40.11	− 0.24	−59.44	37 1 49.02	47.358	− 3.99	+ 41.6	11 46 40.43	− 0.15	+ 1 48 11.5	....
	October 5, L.												
15	Sun I, S	9	42 27.83	− 0.24	−59.47	43 41 52.35	44.052	− 3.50	+ 52.3	12 41 28.12	+64.47	− 4 50 47.9	....
16	Sun II, N	9	44 36.77	− 0.24	−59.47	43 9 50.72	44.077	− 3.50	+ 51.3	12 43 37.06	−64.47	− 4 18 45.0	....
17	σ Ophiuchi	9	23 3.84	− 0.32	[−59.61]	34 37 48.70	45.245	− 5.08	+ 37.8	17 22	.....	+ 4 13 4.9	....
18	β Ophiuchi	9	40 2.58	− 0.32	[−59.61]	34 13 48.02	47.408	− 5.08	+ 37.3	17 39	.....	+ 4 36 16.7	....
19	ν Ophiuchi	9	55 5.58	− 0.31	[−59.68]	48 35 50.82	46.538	− 5.08	+1 2.0	17 54	.....	− 9 45 50.9	....
20	δ Ursæ Minoris	9	2 8.28	− 5.03	−59.61	312 15 48.58	44.367	− 5.08	−1 0.0	18 1 3.64	.....	+86 37 2.9	....
21	η Serpentis	9	17 40.44	− 0.31	[−59.67]	41 45 50.00	45.840	− 5.08	+ 49.0	18 16	.....	− 2 55 21.1	....
22	3 H. Scuti	9	31 20.05	− 0.31	[−59.68]	47 7 51.05	48.285	− 5.08	+ 59.1	18 30	.....	− 8 18 28.2	....
23	θ Serpentis	9	52 46.19	− 0.32	−59.71	34 45 50.85	44.765	− 5.08	+ 38.2	18 51	.....	+ 4 5 13.3	....
	October 6, M.												
24	σ Ophiuchi	9	23 4.38	− 0.31	[−60.17]	34 37 47.85	45.362	− 5.12	+ 37.4	17 22	.....	+ 4 13 3.5	....
25	β Ophiuchi	9	40 3.18	− 0.31	[−60.23]	34 13 46.10	47.572	− 5.12	+ 36.9	17 39	.....	+ 4 36 15.3	....
26	ν Ophiuchi	9	55 6.18	− 0.30	[−60.30]	48 35 47.68	46.758	− 5.12	+1 1.4	17 54	.....	− 9 45 52.1	....
27	δ Ursæ Minoris	9	2 9.00	− 5.35	.....	312 15 52.42	44.092	− 5.12	− 59.4	18 1	.....	+86 37 4.7	....
28	η Serpentis	9	17 41.06	− 0.30	[−60.31]	41 45 46.42	46.110	− 5.12	+ 48.5	18 16	.....	− 2 55 23.2	....
29	3 H. Scuti	9	31 20.63	− 0.30	[−60.28]	47 7 47.40	48.542	− 5.12	+ 58.5	18 30	.....	− 8 18 29.8	....
30	θ Serpentis	9	52 46.80	− 0.31	−60.34	34 45 45.08	45.075	− 5.12	+ 37.8	18 51	.....	+ 4 5 12.5	....
	October 9, M.												
31	β Eridani	9	4 30.47	− 0.10	−62.71	44 1 54.85	46.620	− 4.25	+ 55.9	5 3 27.64	.....	− 5 11 51.6	....
32	β Orionis	9	11 17.68	− 0.10	−62.74	47 7 54.72	46.750	− 4.25	+1 2.3	5 10 14.84	.....	− 8 18 0.8	....
33	γ Orionis	9	21 23.22	− 0.10	−62.73	32 33 52.18	47.000	− 4.25	+ 36.9	5 20 20.38	.....	+ 6 16 21.4	....
34	δ Orionis	9	28 29.45	− 0.10	−62.78	39 11 54.62	46.510	− 4.25	+ 47.2	5 27 26.60	.....	− 0 21 40.1	....
35	ε Orionis	9	32 43.66	− 0.10	−62.72	40 5 54.00	45.502	− 4.25	+ 48.7	5 31 40.81	.....	− 1 15 18.0	....
36	ζ Orionis	9	37 17.97	− 0.10	−62.80	40 49 51.85	45.068	− 4.25	+ 50.0	5 36 15.12	.....	− 1 59 7.2	....
37	κ Orionis	9	44 34.08	− 0.11	−62.78	48 31 53.15	46.090	− 4.25	+1 5.4	5 43 31.22	.....	− 9 41 47.2	....
38	α Orionis	9	51 22.93	− 0.10	−62.79	31 27 51.92	43.705	− 4.25	+ 35.4	5 50 20.07	.....	+ 7 23 38.4	....
39	δ Ursæ Minoris s. p.	9	2 1.39	+ 3.03	−62.76	305 29 53.92	45.257	− 4.25	−1 20.7	18 1 1.66	.....	+86 37 2.8	....
40	8 Monocerotis	9	20 4.63	− 0.10	−62.69	34 11 52.52	46.448	− 4.25	+ 39.4	6 19 1.76	.....	+ 4 38 31.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 18 20	30.070	76.1	75.0
18 34	......	....	74.1
18 54	30.073	75.0	73.5
5 5	30.076	67.9	66.3
5 22	......	....	66.1
5 38	......	....	66.0
5 58	......	....	65.9
6 20	30.070	67.0	65.3
11 48	30.058	77.2	78.0
5 12 45	30.040	79.2	81.0
17 24	29.972	81.5	80.8
17 41	......	....	80.2
17 56	......	....	80.0
18 18	......	....	79.1
18 30	......	....	78.7
18 53	29.976	78.9	77.1
6 17 23	29.772	82.6	82.3
17 55	..	....	81.7
18 18	29.766	82.3	80.9
18 53	29.768	80.7	79.6
9 5 5	29.830	51.8	50.7
5 33		....	50.4
5 45	29.826	51.5	50.3
6 20	29.844	50.8	49.4

Micrometer bisections are made at II, VI, except as noted below.

1, 12, 20, 39. Bisections at b_4, b_5, b_6.
2, 4. Bisections at II, VI, VII.
14, 19. Bisections at I, II, VI, VII.
15. Bisections at I, II, III.
16. Bisections at V, VI, VII.
27. Bisections at b_4, b_6.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+ 6.6	......	+1.0	+ 7.6
15	+ 6.1	+16 1.4	...	+16 7.5
16	+ 6.0	−16 1.4	...	−15 55.4

Notes.

5. Circle reading decreased 4′.
19. Very faint; clouds.
21. Clouds.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 10, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	0 48.37	− 0.05	−62.99	45 3 59.22	45.817	− 3.66	+ 57.0	12 59 45.33	+64.75	− 6 13 39.7	....
2	Sun II, S	9	2 57.88	− 0.05	−62.99	45 35 58.98	46.028	− 3.66	+ 58.1	13 1 54.84	−64.76	− 6 45 44.4	....
3	σ Ophiuchi	9	23 7.02	− 0.13	**[−63.05]**	34 37 55.10	44.960	− 4.56	+ 39.0	17 22 3.76	.....	+ 4 13 3.3	....
4	β Ophiuchi	9	40 5.81	− 0.13	**[−63.10]**	34 13 54.45	47.125	− 4.56	+ 38.5	17 39 2.54	.....	+ 4 36 15.0	....
5	ν Ophiuchi	9	55 8.76	− 0.13	**[−63.12]**	48 35 55.02	46.260	− 4.56	+1 4.2	17 54 5.48	.....	− 9 45 51.5	....
6	δ Ursæ Minoris	9	2 7.06	− 2.82	−63.15	312 15 57.78	43.980	− 4.56	−1 2.0	18 1 1.09	.....	+86 37 4.0	....
7	η Serpentis	8	17 43.70	− 0.13	**[−63.19]**	41 45 54.10	45.640	− 4.56	+ 50.6	18 16 40.41	.....	− 2 55 22.8	....
8	3 H. Scuti	9	31 23.29	− 0.13	**[−63.18]**	47 7 54.60	48.070	− 4.56	+1 1.2	18 36 19.99	.....	− 8 18 29.4	....
9	Moon I, S	9	43 16.59	− 0.15	−63.16	67 1 55.38	42.489	− 4.56	+2 13.2	18 42 13.28	+70.14	−28 11 34.7	....
10	θ Serpentis	9	52 49.42	− 0.13	**[−63.21]**	34 45 55.62	44.490	− 4.56	+ 39.5	18 51 46.11	.....	+ 4 5 13.0	....
11	λ Aquilæ	9	2 33.28	− 0.13	**−63.23**	43 51 54.52	44.658	− 4.56	+ 54.7	19 1 29.97	.....	− 5 1 4.9	....
12	π Sagittarii	9	5 29.88	− 0.14	−63.18	59 59 55.60	45.422	− 4.56	+1 38.4	19 4 26.56	.....	−21 10 7.1	....
13	ψ Sagittarii	9	11 6.61	− 0.15	−63.18	64 13 55.40	46.448	− 4.56	+1 57.6	19 10 3.28	.....	−25 24 49.4	....
14	δ Aquilæ	9	22 2.55	− 0.13	**−63.21**	35 53 54.62	47.233	− 4.56	+ 41.3	19 20 59.23	.....	+ 2 56 9.6	....
15	μ Aquilæ	9	30 46.46	− 0.13	**−63.18**	31 39 54.25	44.360	− 4.56	+ 35.2	19 29 43.14	.....	+ 7 11 21.7	....
16	h Sagittarii	9	32 19.31	− 0.14	−63.20	63 53 56.80	47.035	− 4.56	+1 56.0	19 31 15.97	.....	−25 5 2.5	....
17	f Sagittarii	9	42 12.16	− 0.14	−63.20	58 47 53.78	47.272	− 4.56	+1 34.0	19 41 8.82	− 1.97	−19 58 43.1	+ 0.6
18	δ Sagittæ	9	44 27.29	− 0.14	**−63.19**	20 31 56.08	46.175	− 4.56	+ 21.4	19 43 23.95	.....	+18 18 52.1	....
19	c Sagittarii	9	58 13.19	− 0.15	−63.21	66 45 55.35	48.160	− 4.56	+2 12.3	19 57 9.83	.....	−27 57 43.3	....
20	θ Aquilæ	9	7 44.92	− 0.13	**−63.24**	39 55 57.40	45.282	− 4.56	+ 47.8	20 6 41.58	.....	− 1 5 15.1	....
	October 10, P.												
21	β Eridani	9	4 31.32	− 0.12	**−63.51**	44 1 49.85	46.828	− 3.91	+ 55.9	5 3 27.67	.....	− 5 11 51.7	....
22	β Orionis	9	11 18.56	− 0.12	**−63.57**	47 7 49.92	46.952	− 3.91	+1 2.2	5 10 14.91	.....	− 8 18 0.8	....
23	γ Orionis	9	21 24.12	− 0.12	**−63.59**	32 33 47.42	47.158	− 3.91	+ 36.9	5 20 20.46	.....	+ 6 16 22.2	....
24	δ Orionis	9	28 30.28	− 0.12	**−63.56**	39 11 50.62	46.678	− 3.91	+ 47.1	5 27 26.62	.....	− 0 21 40.2	....
25	ε Orionis	9	32 44.53	− 0.12	**−63.55**	40 5 51.52	45.592	− 3.91	+ 48.6	5 31 40.87	.....	− 1 15 17.8	....
26	ζ Orionis	9	37 18.75	− 0.12	**−63.54**	40 49 48.00	45.205	− 3.91	+ 49.9	5 36 15.08	.....	− 1 59 6.6	....
27	κ Orionis	9	44 34.88	− 0.13	**−63.53**	48 31 49.72	46.240	− 3.91	+1 5.4	5 43 31.20	.....	− 9 41 47.6	....
28	α Orionis	9	51 23.68	− 0.12	**−63.49**	31 27 48.32	43.823	− 3.91	+ 35.4	5 50 20.01	.....	+ 7 23 39.1	....
29	δ Ursæ Minoris S. P.	9	2 1.72	+ 2.58	−63.56	305 29 48.12	45.492	− 3.91	−1 20.5	18 1 0.74	.....	+86 37 2.9	....
30	8 Monocerotis	9	20 5.47	− 0.12	**−63.48**	34 11 48.78	46.548	− 3.91	+ 39.4	6 19 1.78	.....	+ 4 38 32.3	....
31	Mercury II, C	9	1 38.05	− 0.08	−63.74	37 9 48.75	48.538	− 3.41	+ 42.4	12 0 34.23	− 0.23	+ 1 39 43.4	....
	October 11, P.												
32	Sun I, N	9	4 29.87	− 0.08	−63.77	45 25 48.80	48.202	− 3.74	+ 56.5	13 3 26.02	+64.90	− 6 36 23.2	....
33	Sun II, S	9	6 39.68	− 0.08	−63.77	45 57 51.45	48.457	− 3.74	+ 57.6	13 5 35.83	−64.91	− 7 8 31.9	....
34	σ Ophiuchi	9	23 7.90	− 0.23	**[−63.85]**	34 37 48.50	45.270	− 4.96	+ 38.0	17 22 3.77	.....	+ 4 13 4.2	....
35	β Ophiuchi	9	40 6.61	− 0.23	**[−63.82]**	34 13 47.90	47.448	− 5.11	+ 37.5	17 39 2.47	.....	+ 4 36 15.7	....
36	ν Ophiuchi	9	55 9.61	− 0.24	**[−63.87]**	48 35 47.62	46.662	− 5.22	+1 2.5	17 54 5.45	.....	− 9 45 50.9	....
37	δ Ursæ Minoris	9	2 7.94	− 3.79	−63.92	312 15 43.90	44.568	− 5.27	−1 0.4	18 1 0.23	.....	+86 37 3.5	....
38	η Serpentis	9	17 44.55	− 0.24	**[−63.95]**	41 45 48.12	45.945	− 5.42	+ 49.4	18 16 40.38	.....	− 2 55 21.7	....
39	3. H. Scuti	9	31 24.19	− 0.25	**[−63.98]**	47 7 47.80	48.432	− 5.52	+ 59.7	18 30 20.00	.....	− 8 18 28.4	....
40	θ Serpentis	9	52 50.26	− 0.26	**[−63.94]**	34 45 47.02	44.930	− 5.72	+ 38.6	18 51 46.05	.....	+ 4 5 13.7	....
41	Moon I, S	9	40 18.39	− 0.30	−63.97	66 5 46.88	44.740	− 5.86	+2 5.5	19 39 14.12	+70.43	−27 16 8.6	....
42	β Capricorni	9	17 3.77	− 0.27	**−64.01**	53 53 46.75	46.295	− 5.86	+1 16.6	20 15 59.51	.....	−15 3 55.1	....
43	π Capricorni	9	23 16.78	− 0.27	**−64.07**	57 19 47.42	47.090	− 5.86	+1 27.1	20 22 12.52	.....	−18 30 24.4	....
44	ρ Capricorni	9	24 50.24	− 0.27	**−64.07**	56 55 47.60	47.878	− 5.86	+1 25.7	20 23 45.97	.....	−18 6 41.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 13 3	29.914	60.0	59.9
17 23	29.888	63.3	62.7
17 55	......	....	61.9
18 18	29.878	61.5	60.9
18 43	......	....	60.0
19 22	29.880	58.7	58.2
19 42	......	....	58.0
20 8	29.882	57.4	57.9
5 2	29.847	52.0	51.0
5 25	......	....	51.5
5 41	29.848	52.0	51.1
5 59	......	....	51.1
6 22	29.850	51.2	50.0
12 2	29.875	66.0	68.0
11 13 7	[illegible]	68.8	70.0
17 21	29.789	74.1	75.0
17 42	......	....	74.0
17 59	......	....	73.0
18 20	29.778	72.0	71.4
18 34	......	....	70.0
18 54	29.770	69.5	68.2
19 43	29.766	67.0	66.0
20 15	......	....	66.0

Micrometer bisections are made at II, VI, except as noted below.

1, 32.	Bisections at I, II, III.
2, 16.	Bisections at VI, VII.
6, 29, 37.	Bisections at b_4, b_5, b_6.
9, 41.	Bisections at II, III, IV, V, VI.
14, 22, 26, 28.	Bisections at II, VI, VII.
31.	Bisections at I, II, VI, VII.
33.	Bisections at V, VI, VII.

Note.

3–5. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.2	−16 2.3	...	−15 56.1
2	+ 6.3	+16 2.3	...	+16 8.6
9	+50 33.0	+15 1.1	...	+65 34.1
31	+ 5.5	.. ....	+ 0.7	+ 6.2
32	+ 6.3	−16 4.3	...	−15 58.0
33	+ 6.3	+16 4.4	...	+16 10.7
41	+50 48.2	+15 12.0	...	+66 0.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Capricorni	9	2 0.10	− 0.27	**−64.08**	56 25 46.55	44.632	− 5.86	+1 24.1	21 0 55.82	.....	−17 35 24.4	....
2	ι Capricorni	9	18 20.99	− 0.27	**−64.04**	56 3 46.85	43.628	− 5.86	+1 22.9	21 17 16.70	.....	−17 13 0.4	....
	October 11, L.												
3	β Eridani	9	4 32.21	− 0.21	**−64.28**	44 1 50.90	46.855	− 5.29	+ 54.7	5 3 27.69	.....	− 5 11 50.7	....
4	τ Orionis	9	14 20.83	− 0.21	**−64.30**	45 45 50.78	47.600	− 5.29	+ 58.2	5 13 16.30	.....	− 6 56 11.1	....
5	γ Orionis	9	21 24.90	− 0.20	**−64.26**	32 33 49.18	47.150	− 5.29	+ 36.2	5 20 20.38	.....	+ 6 16 22.7	....
6	δ Orionis	9	28 31.15	− 0.20	**−64.32**	39 11 51.55	46.692	− 5.29	+ 46.3	5 27 26.62	.....	− 0 21 39.3	....
7	ε Orionis	9	32 45.43	− 0.21	**−64.33**	40 5 52.05	45.628	− 5.29	+ 47.8	5 31 40.89	.....	− 1 15 17.0	....
8	ζ Orionis	9	37 19.64	− 0.21	**−64.31**	40 49 50.05	45.188	− 5.29	+ 49.1	5 36 15.10	.....	− 1 59 6.2	....
9	κ Orionis	9	44 35.75	− 0.21	**−64.29**	48 31 50.82	46.250	− 5.29	+1 4.3	5 43 31.21	.....	− 9 41 46.4	....
10	α Orionis	9	51 24.61	− 0.20	**−64.31**	31 27 50.15	43.780	− 5.29	+ 34.8	5 50 20.07	.....	+ 7 23 40.1	....
11	δ Ursæ Minoris s. p.	9	2 1.28	+ 2.88	−64.34	305 29 48.90	45.507	− 5.29	−1 19.1	18 0 59.82	.....	+86 37 4.1	....
12	8 Monocerotis	9	20 6.42	− 0.20	**−64.32**	34 11 50.38	46.572	− 5.29	+ 38.6	6 19 1.87	.....	+ 4 38 32.3	....
	October 12, L.												
13	Sun I, N	9	8 11.82	− 0.22	−64.57	45 49 45.85	44.737	− 4.57	+ 56.5	13 7 7.03	+65.03	− 6 59 0.2	....
14	Sun II, S	9	10 21.87	− 0.22	−64.57	46 21 46.82	45.023	− 4.57	+ 57.6	13 9 17.08	−65.02	− 7 31 8.0	....
15	σ Ophiuchi	9	23 8.71	− 0.29	[**−64.61**]	34 37 46.60	45.319	− 3.97	+ 37.7	17 22 3.71	.....	+ 4 13 4.3	....
16	β Ophiuchi	9	40 7.43	− 0.29	[**−64.60**]	34 13 50.42	47.259	− 3.97	+ 37.3	17 39 2.42	.....	+ 4 36 16.6	....
17	ν Ophiuchi	9	55 10.44	− 0.30	[**−64.66**]	48 35 51.70	46.422	− 3.99	+1 2.2	17 54 5.42	.....	− 9 45 50.4	....
18	δ Ursæ Minoris	9	2 8.56	− 3.56	−64.73	312 15 53.38	44.128	− 4.01	−1 0.2	18 1 0.27	.....	+86 37 2.6	....
19	η Serpentis	9	17 45.37	− 0.30	[**−64.72**]	41 45 51.50	45.704	− 4.08	+ 49.2	18 16 40.33	.....	− 2 55 20.7	....
20	θ Serpentis	9	52 51.02	− 0.29	[**−64.68**]	34 45 50.12	44.722	− 4.21	+ 38.6	18 51 45.98	.....	+ 4 5 13.8	....
21	α^2 Capricorni	9	14 10.87	− 0.30	**−64.81**	51 39 51.88	44.869	− 4.48	+1 11.4	20 13 5.78	.....	−12 49 23.8	....
22	β Capricorni	9	17 4.55	− 0.31	**−64.76**	53 53 51.52	45.956	− 4.51	+1 17.4	20 15 59.44	.....	−15 3 54.3	....
23	ρ Capricorni	9	24 51.01	− 0.31	**−64.81**	56 55 51.70	47.536	− 4.53	+1 26.8	20 23 45.90	.....	−18 6 39.9	....
24	Moon I, S	9	37 17.54	− 0.33	−64.81	63 43 52.02	42.989	− 4.57	+1 54.4	20 36 12.40	+70.07	−24 53 23.9	....
25	μ Aquarii	9	48 55.30	− 0.30	**−64.80**	48 9 52.10	44.628	− 4.61	+1 3.3	20 47 50.19	.....	− 9 19 10.3	....
26	θ Capricorni	9	2 0.86	− 0.31	**−64.82**	56 25 52.00	44.196	− 4.65	+1 25.6	21 0 55.73	.....	−17 35 22.5	....
27	ι Capricorni	9	18 21.82	− 0.31	**−64.84**	56 3 51.40	43.245	− 4.70	+1 24.6	21 17 16.68	.....	−17 12 59.2	....
	October 12, M.												
28	Mercury II, C	9	9 58.94	− 0.13	−65.13	37 49 50.70	46.628	− 3.94	+ 45.3	12 8 53.68	− 0.22	+ 1 0 22.7	....
	October 13, M.												
29	Sun I, S	9	11 54.00	− 0.14	−65.16	46 43 53.12	46.078	− 3.93	+1 1.6	13 10 48.70	+65.08	− 7 53 43.9	....
30	Sun II, N	9	14 4.15	− 0.14	−65.16	46 11 51.10	45.852	− 3.93	+1 0.4	13 12 58.85	−65.07	− 7 21 34.6	....
31	σ Ophiuchi	9	23 9.21	− 0.16	[**−65.26**]	34 37 52.08	45.080	− 4.38	+ 39.5	17 22 3.80	.....	+ 4 13 2.9	....
32	β Ophiuchi	9	40 7.92	− 0.16	[**−65.23**]	34 13 52.42	47.188	− 4.38	+ 39.0	17 39 2.50	.....	+ 4 36 14.9	....
33	ν Ophiuchi	9	55 10.92	− 0.16	[**−65.29**]	48 35 51.82	46.378	− 4.38	+1 4.9	17 54 5.50	.....	− 9 45 51.8	....
34	δ Ursæ Minoris	8	2 7.68	− 2.55	−65.27	312 15 55.02	44.138	− 4.38	−1 2.7	18 0 59.86	.....	+86 37 3.6	....
35	η Serpentis	9	17 45.78	− 0.16	[**−65.29**]	41 45 51.62	45.730	− 4.38	+ 51.2	18 16 40.35	.....	− 2 55 23.2	....
36	3 H. Scuti	9	31 25.43	− 0.16	[**−65.34**]	47 7 52.65	48.130	− 4.38	+1 1.8	18 30 19.99	.....	− 8 18 29.6	....
37	θ Serpentis	9	52 51.52	− 0.16	[**−65.33**]	34 45 52.18	44.640	− 4.38	+ 39.9	18 51 46.07	.....	+ 4 5 12.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 20 27	29.762	65.8	65.9
21 0	....	....	66.0
21 20	29.758	65.0	66.1
5 4	29.708	58.9	59.1
5 22	....	....	58.1
5 38	....	....	57.1
5 55	....	....	57.4
6 21	29.712	57.3	58.0
12 13 10	29.790	74.2	75.1
17 24	29.786	77.1	78.0
17 38	....	....	77.6
18 6	....	....	75.1
18 18	....	....	74.3
18 53	29.836	71.4	69.7
20 13	29.902	65.3	62.9
20 28	....	....	61.9
20 39	....	....	61.0
21 3	....	....	59.9
21 19	29.938	61.3	59.0
12 10	30.146	54.8	51.3
13 13 14	30.127	56.0	54.0
17 23	30.070	60.8	60.0
17 55	....	....	59.2
18 18	....	....	58.7
18 31	....	....	58.2
18 53	30.070	58.9	57.3

Micrometer bisections are made at II, VI, except as noted below.

2, 4.	Bisections at II, VI, VII.
11, 18, 34.	Bisections at b_4, b_5, b_6.
13, 29.	Bisections at I, II, III.
14, 30.	Bisections at V, VI, VII.
15–17, 19–23, 25–28.	Bisections at I, II, VI, VII.
24.	Bisections at II, III, IV, V, VI.

Note.

11. Unsteady and diffuse.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+ 6.3	−16 3.9	...	−15 57.6
14	+ 6.4	+16 3.8	...	+16 10.2
24	+50 33.2	+15 25.3	...	+65 58.5
28	+ 5.3	.. ....	+ 0.6	+ 5.9
29	+ 6.4	+16 4.7	...	+16 11.1
30	+ 6.4	−16 4.6	...	−15 58.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 13, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Orionis	9	21 26.32	− 0.16	**−65.66**	32 33 49.88	47.102	− 4.27	+ 36.8	5 20 20.51	.....	+ 6 16 21.5	....
2	δ Orionis	9	28 32.53	− 0.16	**−65.68**	39 11 52.32	46.630	− 4.27	+ 47.0	5 27 26.71	.....	− 0 21 40.3	....
3	ε Orionis	9	32 46.78	− 0.16	**−65.67**	40 5 51.85	45.602	− 4.27	+ 48.5	5 31 40.96	.....	− 1 15 17.9	....
4	ζ Orionis	9	37 21.01	− 0.16	**−65.67**	40 49 50.42	45.122	− 4.27	+ 49.8	5 36 15.19	.....	− 1 59 6.8	....
5	κ Orionis	9	44 37.17	− 0.17	**−65.69**	48 31 52.20	46.132	− 4.27	+1 5.2	5 43 31.33	.....	− 9 41 47.0	....
6	α Orionis	9	51 25.98	− 0.16	**−65.67**	31 27 50.82	43.738	− 4.27	+ 35.3	5 50 20.15	.....	+ 7 23 38.9	....
7	δ Ursæ Minoris S. P.	9	2 3.17	+ 2.22	−65.67	305 29 49.12	45.463	− 4.27	−1 20.3	18 0 59.72	.....	+86 37 3.1	....
8	8 Monocerotis	9	20 7.78	− 0.16	**−65.66**	34 11 51.05	46.490	− 4.27	+ 39.2	6 19 1.94	.....	+ 4 38 31.9	....
9	S Monocerotis	9	37 9.13	− 0.16	**−65.67**	28 51 50.98	45.800	− 4.27	+ 31.8	6 36 3.28	.....	+ 9 58 55.1	....
10	γ Canis Majoris	9	0 48.59	− 0.18	**−65.68**	54 19 49.40	45.405	− 4.27	+1 20.4	6 59 42.71	.....	−15 29 42.8	....
11	Mercury II, C.	9	14 39.34	− 0.15	−65.91	38 15 50.92	44.045	− 3.77	+ 44.1	12 13 33.28	− 0.21	+ 0 35 22.5	....
	October 14, P.												
12	Sun I, S.	9	15 37.01	− 0.15	−65.94	47 5 52.55	47.253	− 3.81	+ 59.7	13 14 30.92	+65.09	− 8 16 8.4	....
13	Sun II, N.	9	17 47.19	− 0.15	−65.94	46 33 51.10	47.090	− 3.81	+ 58.6	13 16 41.10	−65.09	− 7 44 1.3	....
14	σ Ophiuchi	9	23 10.06	− 0.27	[**−66.01**]	34 37 50.25	45.225	− 5.02	+ 38.1	17 22 3.69	.....	+ 4 13 3.5	....
15	β Ophiuchi	9	40 8.77	− 0.26	[**−66.00**]	34 13 48.92	47.410	− 5.12	+ 37.6	17 39 2.40	.....	+ 4 36 15.5	....
16	ν Ophiuchi	9	55 11.76	− 0.28	[**−66.03**]	48 35 48.22	46.665	− 5.19	+1 2.6	17 54 5.36	.....	− 9 45 51.7	....
17	δ Ursæ Minoris	9	2 8.94	− 3.03	−66.12	312 15 46.42	44.505	− 5.24	−1 0.5	18 0 59.79	.....	+86 37 2.5	....
18	η Serpentis	9	17 46.70	− 0.27	[**−66.11**]	41 45 47.15	45.998	− 5.33	+ 49.5	18 16 40.30	.....	− 2 55 22.2	....
19	3 H. Scuti	9	31 26.30	− 0.28	[**−66.10**]	47 7 47.80	48.465	− 5.42	+ 59.8	18 30 19.88	.....	− 8 18 29.4	....
20	θ Serpentis	9	52 52.45	− 0.27	[**−66.16**]	34 45 46.78	44.950	− 5.54	+ 38.6	18 51 46.03	.....	+ 4 5 13.3	....
21	ι Capricorni	9	18 23.20	− 0.28	**−66.28**	56 3 47.10	43.615	− 5.80	+1 23.1	21 17 16.70	.....	−17 13 0.8	....
22	γ Capricorni	9	36 15.43	− 0.28	**−66.26**	55 53 49.05	46.270	− 5.75	+1 22.7	21 35 8.92	.....	−17 4 2.9	....
23	δ Capricorni	9	43 13.61	− 0.28	**−66.30**	55 21 48.22	46.393	− 5.73	+1 21.1	21 42 7.09	.....	−16 32 3.5	....
24	μ Capricorni	9	49 32.46	− 0.27	**−66.25**	52 47 48.05	47.625	− 5.72	+1 13.9	21 48 25.95	.....	−13 58 24.2	....
25	ι Pegasi	9	3 57.81	− 0.27	**−66.16**	13 55 47.22	47.589	− 5.68	+ 14.0	22 2 51.29	.....	+24 54 37.1	....
26	Moon I, S.	9	28 26.10	− 0.29	−66.26	54 55 47.78	45.882	− 5.60	+1 19.9	22 27 19.55	+68.54	−16 5 50.3	....
27	ζ Pegasi	9	38 7.29	− 0.26	**−66.23**	28 29 46.52	43.375	− 5.58	+ 30.5	22 37 0.77	.....	+10 21 57.6	....
28	η Pegasi	7	39 55.70	− 0.27	**−66.24**	9 5 46.15	45.958	− 5.56	+ 9.0	22 38 49.17	.....	+29 45 20.5	....
29	β Pegasi	9	0 33.51	− 0.27	**−66.25**	11 15 47.10	44.075	− 5.51	+ 11.2	22 59 26.97	.....	+27 36 0.2	....
30	φ Aquarii	9	10 48.92	− 0.26	**−66.28**	45 21 48.40	46.810	− 5.48	+ 56.9	23 9 42.38	.....	− 6 31 49.2	....
	October 14, M.												
31	Mercury II, C.	9	19 35.71	− 0.24	−66.60	38 43 47.38	44.276	− 4.13	+ 44.2	12 18 28.87	− 0.21	+ 0 7 21.0	....
	October 15, M.												
32	Sun I, N.	9	19 20.39	− 0.25	−66.64	46 55 49.12	48.050	− 3.91	+ 58.8	13 18 13.50	+65.18	− 8 6 22.1	....
33	Sun II, S.	9	21 30.76	− 0.25	−66.64	47 27 47.90	48.355	− 3.91	+ 59.9	13 20 23.87	−65.19	− 8 38 28.2	....
34	σ Ophiuchi	9	23 10.77	− 0.34	[**−66.66**]	34 37 44.70	45.520	− 4.58	+ 37.6	17 22 3.70	.....	+ 4 13 2.3	....
35	β Ophiuchi	9	40 9.49	− 0.34	[**−66.65**]	34 13 44.05	47.658	− 4.69	+ 37.1	17 39 2.41	.....	+ 4 36 14.7	....
36	ν Ophiuchi	9	55 12.51	− 0.34	[**−66.73**]	48 35 43.02	46.945	− 4.80	+1 1.8	17 54 5.42	.....	− 9 45 52.5	....
37	η Serpentis	9	17 47.39	− 0.34	[**−66.75**]	41 45 42.42	46.270	− 4.97	+ 48.8	18 16 40.29	.....	− 2 55 23.3	....
38	3 H. Scuti	9	31 27.05	− 0.34	[**−66.81**]	47 7 44.08	48.640	− 5.05	+ 59.0	18 30 19.94	.....	− 8 18 29.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 5 19	29.997	56.8	55.0
5 40	......	....	54.9
5 58	29.976	56.0	54.2
6 23	......	....	53.9
6 40	......	....	53.6
7 2	29.983	55.0	53.1
12 15	29.970	67.0	69.0
14 13 18	29.956	71.7	72.9
17 21	29.885	75.7	75.3
17 42	......	....	74.4
17 58	......	....	73.7
18 12	......	....	73.0
18 20	29.886	73.2	72.1
18 34	......	....	71.8
18 54	29.882	71.9	70.5
21 16	29.892	68.0	67.0
21 35	......	....	66.6
21 52	......	....	66.3
22 7	29.904	67.1	66.1
22 31	29.908	67.1	66.0
23 3	......	....	65.8
23 12	29.904	67.0	65.8
12 20	29.888	73.4	74.6
15 13 22	29.874	75.9	76.5
17 23	29.800	79.8	80.2
17 55	......	....	79.2
18 18	29.794	77.8	77.7
18 31	......	....	76.8

Micrometer bisections are made at II, VI, except as noted below.

7, 17. Bisections at b_4, b_5, b_6.
11, 25, 31. Bisections at I, II, VI, VII.
12, 32. Bisections at I, II, III.
13, 33. Bisections at V, VI, VII.
22. Bisections at II, VI, VII.
23. Bisections at I, II, VI.
26. Bisections at II, III, IV, V, VI.
28. Bisections at VI, VII.

Note.
22, 23, 25, 37. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 5.2	.. ....	+ 0.5	+ 5.7
12	+ 6.5	+16 3.5	...	+16 10.0
13	+ 6.4	−16 3.5	...	−15 57.1
26	+47 41.6	+15 56.7	...	+63 38.3
31	+ 5.1	.. ....	+ 0.5	+ 5.6
32	+ 6.4	−16 3.0	...	−15 56.6
33	+ 6.5	+16 3.0	...	+16 9.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Serpentis	9	52 53.09	− 0.34	[−66.75]	34 45 43.65	45.120	− 5.14	+ 38.1	18 51 45.97	.....	+ 4 5 12.6	....
2	ι Pegasi	9	3 58.58	− 0.33	−66.89	13 55 43.05	47.760	− 4.58	+ 13.8	22 2 51.38	.....	+24 54 36.5	....
3	ζ Pegasi	9	38 7.96	− 0.32	−66.85	28 29 43.18	43.532	− 4.58	+ 30.1	22 37 0.75	.....	+10 21 56.8	....
4	η Pegasi	9	39 56.37	− 0.34	−66.85	9 5 43.28	46.045	− 4.58	+ 8.9	22 38 49.14	.....	+29 45 20.4	....
5	λ Aquarii	9	49 5.04	− 0.32	−66.90	46 53 44.85	45.500	− 4.58	+ 59.2	22 47 57.82	.....	− 8 3 19.1	....
6	δ Aquarii	9	51 2.53	− 0.33	−66.94	55 7 43.95	45.968	− 4.58	+1 19.5	22 49 55.30	.....	−16 17 49.0	....
7	β Pegasi	9	0 34.17	− 0.33	−66.85	11 15 42.52	44.285	− 4.58	+ 11.1	22 59 26.94	.....	+27 35 59.2	....
8	Moon I, S	9	22 33.09	− 0.33	−66.91	48 53 43.88	45.721	− 4.58	+1 3.6	23 21 25.85	+68.10	−10 3 27.5	....
9	ι¹ Aquarii	9	40 42.28	− 0.34	−66.93	57 35 45.62	47.073	− 4.58	+1 27.4	23 39 35.02	.....	−18 46 23.7	....
10	33 Piscium	9	1 53.81	− 0.32	−66.95	45 1 43.45	48.578	− 4.58	+ 55.7	0 0 46.56	.....	− 6 12 24.4	....
11	ι Ceti	9	16 0.73	− 0.32	−66.99	48 9 43.42	44.900	− 4.58	+1 2.1	0 14 53.47	.....	− 9 19 6.7	....
	October 16, P.												
12	γ Pegasi	9	9 46.74	− 0.31	−67.74	24 9 49.95	45.060	− 3.61	+ 24.9	0 8 38.69	.....	+14 41 19.3	....
13	Moon I, S	9	16 30.19	− 0.31	−67.74	42 7 49.85	48.077	− 3.61	+ 50.2	0 15 22.14	+68.26	− 3 18 14.9	....
14	ζ Andromedæ	9	43 44.73	− 0.32	−67.68	15 3 48.08	46.430	− 3.61	+ 15.0	0 42 36.65	.....	+23 46 59.8	....
15	θ Ceti	9	20 42.48	− 0.31	−67.82	47 29 49.80	43.150	− 3.61	+1 0.6	1 19 34.39	.....	− 8 38 32.5	....
16	η Piscium	9	27 50.86	− 0.31	−67.78	23 57 49.50	45.292	− 3.61	+ 24.8	1 26 42.77	.....	+14 53 14.5	....
17	ζ Ceti	9	48 12.06	− 0.31	−67.79	49 37 51.78	42.627	− 3.61	+1 5.4	1 47 3.96	.....	−10 46 27.3	....
18	ξ Piscium	9	50 4.64	− 0.30	−67.79	36 5 50.10	45.415	− 3.61	+ 40.6	1 48 56.55	.....	+ 2 44 55.5	....
19	Saturn I, C	5	11 33.42	− 0.31	−67.80	28 35 50.25	50.828	− 3.61	+ 30.4	2 10 25.31	+ 0.75	+10 14 36.9	....
20	Saturn II	5	11 34.93	− 0.31	−67.80	... .	......	....	. ....	2 10 26.82	− 0.76	.. ..	....
21	δ Ceti	9	36 3.02	− 0.30	−67.79	38 53 50.30	45.658	− 3.61	+ 45.0	2 34 54.90	.....	− 0 3 14.8	....
22	γ Ceti	9	39 49.14	− 0.30	−67.88	35 59 50.25	43.318	− 3.61	+ 40.5	2 38 41.02	.....	+ 2 51 43.2	....
	October 16, M.												
23	Mercury II, C	9	30 8.54	− 0.20	−68.05	39 45 53.95	48.418	− 3.43	+ 46.6	12 29 0.29	− 0.20	− 0 56 23.3	....
	October 17, M.												
24	Sun I, S	9	26 48.76	− 0.21	−68.08	48 11 52.60	48.733	− 3.27	+1 2.4	13 25 40.47	+65.31	− 9 22 45.5	....
25	Sun II, N	9	28 59.37	− 0.21	−68.08	47 39 50.80	48.538	− 3.27	+1 1.2	13 27 51.08	−65.30	− 8 50 37.2	....
26	σ Ophiuchi	9	23 12.13	− 0.28	[−68.11]	34 37 50.65	45.190	− 3.84	+ 38.2	17 22 3.67	.....	+ 4 13 2.6	....
27	β Ophiuchi	9	40 10.83	− 0.28	[−68.08]	34 13 49.32	47.370	− 3.84	+ 37.7	17 39 2.36	.....	+ 4 36 14.6	....
28	ν Ophiuchi	9	55 13.87	− 0.28	[−68.18]	48 35 49.45	46.552	− 3.84	+1 2.8	17 54 5.40	.....	− 9 45 51.9	....
29	δ Ursæ Minoris	9	2 9.61	− 3.26	−68.20	312 15 53.08	44.135	− 3.84	−1 0.6	18 0 58.15	.....	+86 37 3.0	....
30	η Serpentis	9	17 48.78	− 0.28	[−68.23]	41 45 49.78	45.898	− 3.84	+ 49.5	18 16 40.30	.....	− 2 55 24.0	....
31	3 H. Scuti	9	31 28.34	− 0.28	[−68.19]	47 7 51.22	48.262	− 3.84	+ 59.9	18 30 19.85	.....	− 8 18 29.8	....
32	θ Serpentis	9	52 54.46	− 0.28	[−68.21]	34 45 49.28	44.808	− 3.84	+ 38.8	18 51 45.96	.....	+ 4 5 12.1	....
33	ζ Andromedæ	9	43 45.29	− 0.24	−68.32	15 3 50.05	46.328	− 4.13	+ 15.4	0 42 36.65	.....	+23 47 0.0	....
34	δ Piscium	9	45 12.12	− 0.24	−68.38	31 45 50.48	42.730	− 4.10	+ 35.4	0 44 3.48	.....	+ 7 6 2.0	....
35	Moon I, S	9	11 18.59	− 0.25	−68.41	35 3 49.52	46.559	− 3.96	+ 40.1	1 10 9.93	+69.17	+ 3 46 30.6	....
36	θ Ceti	9	20 43.09	− 0.25	−68.48	47 29 50.65	43.100	− 3.91	+1 2.3	1 19 34.42	.....	− 8 38 33.6	....
37	η Piscium	9	27 51.41	− 0.24	−68.39	23 57 49.28	45.330	− 3.86	+ 25.4	1 26 42.75	.....	+14 53 13.6	....
38	π Piscium	9	33 31.01	− 0.23	−68.40	27 9 49.22	45.220	− 3.83	+ 29.4	1 32 22.35	.....	+11 41 12.1	....
39	ν Piscium	9	37 56.26	− 0.24	−68.38	33 47 49.05	47.302	− 3.83	+ 38.3	1 36 47.59	.....	+ 5 2 15.8	....
40	ζ Ceti	9	48 12.63	− 0.25	−68.41	49 35 50.78	47.880	− 3.76	+1 7.3	1 47 3.95	.....	−10 46 28.1	....
41	ξ Piscium	9	50 5.24	− 0.24	−68.44	36 5 50.78	45.343	− 3.76	+ 41.8	1 48 56.57	.....	+ 2 44 55.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 18 53	29.790	76.3	75.8
22 4	29.780	70.3	71.0
22 38	......	....	70.7
23 1	......	....	70.2
23 23	29.788	69.7	69.5
23 41	......	....	69.7
0 16	29.776	68.8	68.7
16 0 7	29.740	70.2	69.5
0 19	......	....	69.1*
0 46	......	....	69.0
1 18	29.734	69.0	68.1
1 47	......	....	68.0
2 9	29.740	68.2	67.0
2 35	......	....	67.0
2 41	29.744	67.5	66.9
12 30	29.880	69.4	67.3
17 13 29	29.857	70.0	68.7
17 23	29.810	72.7	72.3
17 55	......	....	71.4
18 12	29.800	71.6	71.1
18 53	29.800	69.2	67.3
0 44	29.830	58.2	56.2
1 11	29.834	58.2	56.6
1 38	......	....	55.6
1 50	......	....	54.6

Micrometer bisections are made at II, VI, except as noted below.

5, 33.	Bisections at I, II.
8, 13, 35.	Bisections at II, III, IV, V, VI.
9, 17, 41.	Bisections at II, VI, VII.
15.	Bisections at II, VII.
18.	Bisections at VI, VII.
19.	Z. D. threads C used.
19, 23.	Bisections at I, II, VI, VII.
24.	Bisections at I, II, III.
25.	Bisections at V, VI, VII.
29.	Bisections at b_4, b_5, b_6.

Notes.

1, 5, 6.	Clouds.
26.	Unsteady.
*	Thermometer reading changed from 65°.1 to 69°.1.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+44 36.6	+16 12.4	...	+60 49.0
13	+40 15.5	+16 25.9	...	+56 41.4
19	+ 0.5	.. ....	...	+ 0.5
23	+ 5.0	.. ....	+ 0.3	+ 5.3
24	+ 6.6	+16 4.1	...	+16 10.7
25	+ 6.5	−16 4.1	...	−15 57.6
35	+34 46.5	+16 35.7	...	+51 22.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Saturn I, C	5	11 16.09	− 0.24	−68.44	28 37 48.90	49.849	− 3.69	+ 31.4	2 10 7.41	+ 0.69	+10 12 59.7	....
2	Saturn II	5	11 17.47	− 0.24	−68.44	... .	......	....	. ....	2 10 8.79	− 0.69	.. ..	....
	October 17, P.												
3	γ Orionis	9	21 29.41	− 0.15	**−68.65**	32 33 47.75	47.175	− 4.28	+ 36.8	5 20 20.67	.....	+ 6 16 22.0	....
4	δ Orionis	9	28 35.61	− 0.16	**−68.65**	39 11 49.48	46.725	− 4.28	+ 47.1	5 27 26.86	.....	− 0 21 39.8	....
5	ε Orionis	9	32 49.82	− 0.16	**−68.60**	40 5 49.42	45.692	− 4.28	+ 48.6	5 31 41.07	.....	− 1 15 17.6	....
6	ζ Orionis	9	37 24.03	− 0.16	**−68.58**	40 49 47.85	45.240	− 4.28	+ 50.0	5 36 15.27	.....	− 1 59 7.1	....
7	κ Orionis	9	44 40.21	− 0.17	**−68.62**	48 31 49.72	46.238	− 4.28	+1 5.4	5 43 31.44	.....	− 9 41 47.1	....
8	α Orionis	9	51 29.06	− 0.15	**−68.64**	31 27 48.98	43.795	− 4.28	+ 35.4	5 50 20.31	.....	+ 7 23 39.4	....
9	δ Ursæ Minoris s. p.	9	2 4.50	+ 1.98	−68.61	305 29 47.62	45.528	− 4.28	−1 20.7	18 0 57.87	.....	+86 37 2.7	....
10	8 Monocerotis	9	20 10.83	− 0.16	**−68.59**	34 11 49.68	46.535	− 4.28	+ 39.4	6 19 2.05	.....	+ 4 38 32.1	....
11	S Monocerotis	9	37 12.17	− 0.15	**−68.60**	28 51 50.20	45.862	− 4.28	+ 31.9	6 36 3.39	.....	+ 9 58 54.4	....
12	γ Canis Majoris	9	0 51.69	− 0.18	**−68.66**	54 19 48.78	45.485	− 4.28	+1 20.5	6 59 42.87	.....	−15 29 44.1	....
13	Mercury C, C	9	35 40.82	− 0.12	−68.81	40 21 50.90	45.821	− 3.86	+ 47.9	12 34 31.89	− 0.03	− 1 31 21.8	....
	October 18, P.												
14	Sun I, N	9	30 33.78	− 0.12	−68.83	48 1 51.60	48.302	− 4.04	+1 2.3	13 29 24.83	+65.52	− 9 12 33.8	....
15	Sun II, S	9	32 44.82	− 0.12	−68.83	48 33 48.88	48.870	− 4.04	+1 3.4	13 31 35.87	−65.52	− 9 44 44.3	....
16	σ Ophiuchi	9	23 12.84	− 0.24	[**−68.87**]	34 37 48.52	45.235	− 4.38	+ 38.4	17 22 3.65	.....	+ 4 13 4.0	....
17	β Ophiuchi	9	40 11.59	− 0.23	[**−68.90**]	34 13 48.60	47.375	− 4.50	+ 37.9	17 39 2.40	.....	+ 4 36 15.7	....
18	ν Ophiuchi	9	55 14.62	− 0.24	[**−68.98**]	48 35 49.38	46.568	− 4.63	+1 3.1	17 54 5.42	.....	− 9 45 51.7	....
19	δ Ursæ Minoris	9	2 9.72	− 3.07	−68.97	312 15 46.15	44.530	− 4.68	−1 1.0	18 0 57.68	.....	+86 37 2.2	....
20	η Serpentis	9	17 49.52	− 0.24	[**−69.02**]	41 45 47.60	45.938	− 4.80	+ 49.8	18 16 40.30	.....	− 2 55 22.1	....
21	3 H. Scuti	9	31 29.11	− 0.24	[**−69.01**]	47 7 49.40	48.352	− 4.91	+1 0.2	18 30 19.89	.....	− 8 18 29.3	....
22	θ Serpentis	9	52 55.23	− 0.24	[**−69.04**]	34 45 48.78	44.825	− 5.08	+ 38.8	18 51 46.00	.....	+ 4 5 13.4	....
23	α Pegasi	9	1 28.38	− 0.21	**−69.13**	24 7 48.42	44.545	− 4.99	+ 25.5	23 0 19.05	.....	+14 43 33.4	....
24	τ Pegasi	9	17 22.63	− 0.21	**−69.13**	15 35 48.45	45.900	− 4.99	+ 15.9	23 16 13.29	.....	+23 15 11.9	....
25	κ Piscium	9	23 31.14	− 0.22	**−69.17**	38 5 50.08	42.370	− 4.99	+ 44.6	23 22 21.79	.....	+ 0 46 2.4	....
26	θ Piscium	9	24 36.04	− 0.21	**−69.14**	32 57 49.02	44.520	− 4.99	+ 36.9	23 23 26.70	.....	+ 5 53 22.0	....
27	γ Pegasi	9	9 48.06	− 0.21	**−69.16**	24 9 48.32	45.140	− 4.99	+ 25.6	0 8 38.70	.....	+14 41 19.8	....
28	ζ Andromedæ	9	43 46.11	− 0.21	**−69.16**	15 3 48.62	46.405	− 4.99	+ 15.4	0 42 36.73	.....	+23 47 0.7	....
29	α Trianguli	9	49 9.24	− 0.22	**−69.13**	9 41 48.60	47.328	− 4.99	+ 9.8	1 47 59.82	.....	+29 8 45.0	....
30	β Arietis	9	50 52.28	− 0.21	**−69.22**	18 27 49.12	47.810	− 4.99	+ 19.1	1 49 42.87	.....	+20 22 24.4	....
31	Moon N	.	.. ..	....	.....	27 33 49.70	47.530	− 4.99	+ 29.9	.. ..	.....	+11 16 23.9	....
32	Moon II, S	9	10 29.41	− 0.22	−69.21	28 7 50.40	46.692	− 4.99	+ 30.6	2 9 19.98	−70.82	+10 42 32.7	....
	October 18, L.												
33	Mercury C, C	9	41 21.37	− 0.20	−69.59	40 57 52.00	47.359	− 3.42	+ 48.4	12 40 11.58	− 0.03	− 2 7 58.9	....
	October 20, M.												
34	α Trianguli	9	49 10.76	− 0.24	**−70.61**	9 41 46.28	47.448	− 3.50	+ 9.6	1 47 59.91	.....	+29 8 43.5	....
35	β Arietis	9	50 53.78	− 0.23	**−70.68**	18 27 46.38	47.915	− 3.50	+ 18.7	1 49 42.94	.....	+20 22 23.7	....
36	Saturn I, C	5	10 24.18	− 0.23	−70.62	28 43 46.05	46.935	− 3.50	+ 30.7	2 9 13.33	+ 0.70	+10 8 9.7	....
37	Saturn II	5	10 25.58	− 0.23	−70.62	... .	......	....	. ....	2 9 14.73	− 0.70	.. ..	....
38	ν Arietis	9	34 56.09	− 0.23	**−70.65**	17 15 45.85	47.362	− 3.50	+ 17.4	2 33 45.23	.....	+21 34 38.2	....
39	γ Ceti	9	39 51.93	− 0.23	**−70.68**	35 59 46.90	43.498	− 3.50	+ 40.6	2 38 41.06	.....	+ 2 51 42.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 2 11	29.840	56.6	54.3
5 19	29.827	53.5	52.0
5 41	......	....	50.5
5 58	......	....	50.0
6 22	29.850	52.0	49.9
6 39	......	....	50.0
7 2	29.852	52.0	50.1
12 36	29.943	66.9	65.0
18 13 33	29.938	68.8	68.2
17 21	29.903	72.0	70.9
17 42	......	....	70.6
17 58	......	....	70.0
18 20	29.894	70.0	69.0
18 33	......	....	68.8
18 54	29.886	69.0	68.0
22 59	29.886	61.3	60.0
23 27	......	....	59.0
0 7	29.877	60.2	59.3
0 46	29.871	59.5	58.3
1 46	29.860	58.2	56.8
2 11	29.864	58.3	56.3
12 41	29.832	69.0	69.0
20 1 49	29.660	64.7	63.8
2 10	29.660	64.7	63.5
2 35	......	....	64.0

Micrometer bisections are made at II, VI, except as noted below.

1, 36.	Z. D. threads C used.
1, 13, 33, 36.	Bisections at I, II, VI, VII.
9, 19.	Bisections at b_4, b_5, b_6.
14, 31.	Bisections at I, II, III.
15, 32.	Bisections at V, VI, VII.
25, 29.	Bisections at I, II.
26, 39.	Bisections at II, VI, VII.

Note.

39. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 0.5	.. ....	...	+ 0.5
13	+ 5.0	.. ....	+ 0.3	+ 5.3
14	+ 6.5	−16 5.2	...	−15 58.7
15	+ 6.6	+16 5.2	...	+16 11.8
31	+28 8.1	−16 39.8	...	+11 28.3
32	+28 40.1	+16 39.8	− 0.4	+45 19.5
33	+ 4.9	.. ....	+ 0.3	+ 5.2
36	+ 0.5	.. ....	...	+ 0.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	μ Ceti	9	41 18.26	− 0.23	−70.63	29 5 45.42	47.548	− 3.50	+ 31.2	2 40 7.39	.....	+ 9 44 20.7	....
2	ε Arietis (*mean*)	9	55 17.65	− 0.23	−70.65	17 51 46.35	46.055	− 3.50	+ 18.1	2 54 6.78	.....	+20 59 6.8	....
3	δ Airetis	9	7 42.68	− 0.23	−70.65	19 27 47.62	45.010	− 3.50	+ 19.8	3 6 31.80	.....	+19 23 27.7	....
4	ζ Arietis	9	10 57.43	− 0.23	−70.68	18 7 45.78	46.545	− 3.50	+ 18.4	3 9 46.55	.....	+20 42 55.9	....
5	ο Tauri	9	21 11.91	− 0.23	−70.73	30 7 45.12	45.695	− 3.50	+ 32.6	3 20 1.02	.....	+ 8 43 1.8	....
6	*f* Tauri	9	27 7.93	− 0.23	−70.67	26 13 47.28	43.302	− 3.50	+ 27.6	3 25 57.04	.....	+12 37 59.3	....
7	δ Eridani	9	40 9.82	− 0.25	−70.66	48 53 46.98	46.248	− 3.50	+1 4.3	3 38 58.90	.....	−10 3 44.3	....
8	*A* Tauri	9	0 36.14	− 0.23	−70.61	16 59 45.60	47.955	− 3.50	+ 17.2	3 59 25.23	.....	+21 50 25.1	....
9	Moon II, N	9	13 39.46	− 0.24	−70.68	16 19 44.92	41.573	− 3.50	+ 16.5	4 12 28.54	−74.99	+22 32 52.3	....
	October 20, P.												
10	γ Orionis	9	21 31.69	− 0.24	−70.76	32 33 47.85	47.200	− 3.79	+ 35.9	5 20 20.69	.....	+ 6 16 21.7	....
11	δ Orionis	9	28 37.90	− 0.24	−70.78	39 11 47.80	46.870	− 3.77	+ 45.8	5 27 26.89	.....	− 0 21 40.6	....
12	ι Orionis	9	32 15.16	− 0.25	−70.77	44 47 49.18	46.800	− 3.77	+ 55.8	5 31 4.14	.....	− 5 57 50.4	....
13	ζ Orionis	9	37 26.39	− 0.25	−70.77	40 49 48.38	45.282	− 3.75	+ 48.6	5 36 15.37	.....	− 1 59 7.7	....
14	κ Orionis	9	44 42.53	− 0.26	−70.77	48 31 49.65	46.332	− 3.72	+1 3.6	5 43 31.49	.....	− 9 41 48.0	....
15	α Orionis	9	51 31.35	− 0.24	−70.75	31 27 48.52	43.855	− 3.68	+ 34.4	5 50 20.33	.....	+ 7 23 38.9	....
16	δ Ursæ Minoris S. P.	9	2 4.94	+ 2.60	−70.79	305 29 47.30	45.393	− 3.66	−1 18.4	18 0 56.75	.....	+86 37 2.2	....
17	8 Monocerotis	9	20 13.14	− 0.24	−70.73	34 11 49.68	46.575	− 3.60	+ 38.3	6 19 2.11	.....	+ 4 38 31.6	....
18	10 Monocerotis	9	24 44.01	− 0.25	−70.72	43 31 48.70	47.705	− 3.57	+ 53.6	6 23 32.96	.....	− 4 42 8.6	....
19	γ Canis Majoris	9	0 54.00	− 0.26	−70.80	54 19 48.68	45.532	− 3.44	+1 18.5	6 59 42.93	.....	−15 29 43.9	....
20	Mercury C, C	8	53 1.68	− 0.24	−70.98	42 15 46.80	45.310	− 3.15	+ 50.8	12 51 50.46	− 0.02	− 3 25 8.8	....
	October 21, P.												
21	Sun I, S	9	41 52.88	− 0.24	−71.01	49 39 48.80	46.117	− 3.76	+1 5.8	13 40 41.63	+65.69	−10 49 44.8	....
22	Sun II, N	9	44 4.26	− 0.24	−71.01	49 7 46.85	45.895	− 3.76	+1 4.6	13 42 53.01	−65.69	−10 17 35.8	....
	October 22, L.												
23	Sun I, S	9	45 40.47	− 0.19	−71.80	49 59 50.02	49.603	− 2.59	+1 6.9	13 44 28.48	+65.82	−11 11 7.9	....
24	Sun II, N	9	47 52.11	− 0.19	−71.80	49 27 48.68	49.247	− 2.59	+1 5.7	13 46 40.12	−65.82	−10 38 56.5	....
25	σ Ophiuchi	9	23 15.73	− 0.15	[−71.90]	34 37 51.15	45.051	− 3.94	+ 38.9	17 22 3.68	.....	+ 4 13 4.6	....
26	β Ophiuchi	9	40 14.47	− 0.15	[−71.92]	34 13 50.55	47.219	− 3.94	+ 38.4	17 39 2.41	.....	+ 4 36 16.2	....
27	ν Ophiuchi	9	55 17.44	− 0.16	[−71.94]	48 35 52.18	46.330	− 3.94	+1 4.1	17 54 5.36	.....	− 9 45 50.7	....
28	η Serpentis	9	17 52.32	− 0.16	[−71.96]	41 45 50.35	45.729	− 3.94	+ 50.6	18 16 40.23	.....	− 2 55 21.7	....
29	3 H. Scuti	9	31 31.93	− 0.16	[−71.97]	47 7 52.30	48.081	− 3.94	+1 1.1	18 30 19.83	.....	− 8 18 27.9	....
30	θ Serpentis	9	52 58.01	− 0.15	[−71.97]	34 45 51.30	44.626	− 3.94	+ 39.4	18 51 45.91	.....	+ 4 5 13.7	....
31	51 H. Cephei S. P.	9	0 12.94	+ 2.53	−71.95	306 3 50.72	45.912	− 3.94	−1 17.6	6 59 3.52	.....	+87 11 18.0	....
32	λ Ursæ Minoris	6	11 16.93	− 7.10	−71.95	309 51 51.72	45.680	− 3.94	−1 7.8	19 9 57.88	.....	+89 0 36.3	....
33	ι Pegasi	9	4 3.41	− 0.13	−72.01	13 55 50.52	47.295	− 3.42	+ 14.3	22 2 51.24	.....	+24 54 38.0	....
34	ζ Pegasi	9	38 12.89	− 0.11	−72.06	28 29 49.75	43.072	− 3.29	+ 31.2	22 37 0.72	.....	+10 21 58.3	....
35	η Pegasi	9	40 1.31	− 0.11	−72.10	9 5 48.88	45.650	− 3.28	+ 9.2	22 38 49.14	.....	+29 45 22.2	....
36	α Pegasi	9	1 31.17	− 0.11	−72.05	24 7 48.72	44.432	− 3.22	+ 25.7	23 0 18.99	.....	+14 43 33.7	....
37	τ Pegasi	9	17 25.51	− 0.11	−72.14	15 35 48.12	45.792	− 3.20	+ 16.1	23 16 13.32	.....	+23 15 12.8	....
38	υ Pegasi	9	22 7.86	− 0.11	−72.15	15 55 48.82	46.658	− 3.20	+ 16.4	23 20 55.67	.....	+22 54 52.0	....
39	θ Piscium	9	24 38.97	− 0.11	−72.19	32 57 48.52	44.432	− 3.20	+ 37.3	23 23 26.78	.....	+ 5 53 22.3	....
40	ζ Andromedæ	9	43 48.97	− 0.10	−72.13	15 3 49.55	46.275	− 3.07	+ 15.5	0 42 36.78	.....	+23 47 0.8	....
41	ζ Ceti	9	48 16.31	− 0.11	−72.19	49 35 50.80	47.762	− 2.86	+1 7.6	1 47 4.04	.....	−10 46 26.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 2 55	......	....	63.5
3 11	29.660	63.7	62.9
3 40	......	....	62.4
4 14	29.670	62.8	61.2
5 19	29.688	63.0	62.0
5 41	......	....	62.0
5 58	......	....	61.9
6 18	29.712	62.2	61.1
6 27	......	....	61.1
7 2	29.726	62.0	60.9
12 53	29.816	68.0	66.7
21 13 44	29.816	68.2	66.8
22 13 48	29.610	61.8	61.4
17 24	29.584	61.0	59.2
17 41	......	....	58.3
17 58	......	....	57.2
18 18	29.588	59.0	56.3
18 32	......	....	55.9
19 12	29.588	56.3	54.0
22 4	29.610	51.9	50.0
22 41	......	....	50.8
23 2	......	....	50.6
23 25	29.632	51.3	50.2
0 44	29.622	51.2	50.7
1 45	29.624	51.0	49.7

Micrometer bisections are made at II, VI, except as noted below.

1, 20.	Bisections at VI, VII.
9.	Bisections at II, III, IV, V, VI.
16, 31, 32.	Bisections at b_4, b_5, b_6.
21, 23.	Bisections at I, II, III.
22, 24.	Bisections at V, VI, VII.
25–30.	Bisections at I, II, VI, VII.

Note.

32. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+16 53.8	−16 34.1	...	+ 19.7
20	+ 4.9	.. ....	+ 0.2	+ 5.1
21	+ 6.7	+16 4.5	...	+16 11.2
22	+ 6.7	−16 4.5	...	−15 57.8
23	+ 6.8	+16 5.7	...	+16 12.5
24	+ 6.7	−16 5.6	...	−15 58.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ξ Piscium	9	50 8.91	− 0.10	**−72.21**	36 5 49.60	45.310	− 2.86	+ 42.0	1 48 56.65	.....	+ 2 44 56.1	....
2	Saturn I, C	5	9 49.09	− 0.10	−72.17	28 45 50.25	49.918	− 2.79	+ 31.6	2 8 36.82	+ 0.74	+10 4 55.7	....
3	Saturn II	5	9 50.57	− 0.10	−72.17	... .	......	....	. ....	2 8 38.30	− 0.74	.. ..	....
4	ν Arietis	9	34 57.51	− 0.10	**−72.17**	17 15 51.10	47.018	− 2.71	+ 18.0	2 33 45.23	.....	+21 34 39.4	....
5	γ Ceti	9	39 53.37	− 0.10	**−72.23**	35 59 50.40	43.178	− 2.69	+ 41.9	2 38 41.09	.....	+ 2 51 44.0	....
6	ε Arietis (*mean*)	9	55 19.09	− 0.10	**−72.19**	17 51 50.98	45.762	− 2.67	+ 18.6	2 54 6.80	.....	+20 59 7.6	....
	October 22, P.												
7	ι Tauri	9	58 57.98	− 0.07	**−72.13**	17 23 49.62	43.815	− 2.60	+ 18.2	4 57 45.71	.....	+21 27 53.7	....
8	β Tauri	9	21 51.28	− 0.08	**−72.17**	10 19 49.02	43.765	− 2.60	+ 10.6	5 20 38.99	.....	+28 32 3.1	....
9	δ Orionis	9	28 39.21	− 0.07	**−72.21**	39 11 51.60	46.565	− 2.60	+ 47.3	5 27 26.93	.....	− 0 21 40.1	....
10	ζ Tauri	9	33 30.92	− 0.07	**−72.19**	17 45 50.18	44.982	− 2.60	+ 18.6	5 32 18.64	.....	+21 5 26.1	....
11	ζ Orionis	9	37 27.72	− 0.07	**−72.23**	40 49 50.18	45.085	− 2.60	+ 50.2	5 36 15.43	.....	− 1 59 7.8	....
12	κ Orionis	9	44 43.89	− 0.07	**−72.27**	48 31 51.52	46.085	− 2.60	+1 5.7	5 43 31.60	.....	− 9 41 47.4	....
13	α Orionis	9	51 32.68	− 0.06	**−72.20**	31 27 49.68	43.718	− 2.60	+ 35.6	5 50 20.40	.....	+ 7 23 38.5	....
14	1 Geminorum	9	59 53.88	− 0.08	**−72.17**	15 33 49.40	48.255	− 2.60	+ 16.3	5 58 41.57	.....	+23 16 14.4	....
15	η Geminorum	9	10 41.55	− 0.08	**−72.13**	16 17 49.82	48.535	− 2.60	+ 17.1	6 9 29.23	.....	+22 32 6.8	....
16	8 Monocerotis	9	20 14.46	− 0.07	**−72.17**	34 11 51.12	46.392	− 2.60	+ 39.5	6 19 2.15	.....	+ 4 38 32.1	....
17	Moon N	.	.. ..	....	.....	11 37 48.62	47.725	− 2.60	+ 12.0	.. ..	.....	+27 12 31.7	....
18	Moon II, S	9	26 35.03	− 0.08	−72.24	12 9 50.41	49.905	− 2.60	+ 12.6	6 25 22.71	−76.14	+26 39 39.2	....
	October 23, M.												
19	Saturn I, C	5	9 31.29	− 0.02	−72.75	28 47 50.38	48.890	− 3.56	+ 32.2	2 8 18.52	+ 0.71	+10 3 19.2	....
20	Saturn II	5	9 32.71	− 0.02	−72.75	... .	......	....	. ....	2 8 19.94	− 0.71	.. ..	....
21	ν Arietis	9	34 58.02	− 0.02	**−72.75**	17 15 49.82	47.138	− 3.53	+ 18.2	2 33 45.23	.....	+21 34 38.5	....
22	γ Ceti	9	39 53.90	− 0.02	**−72.83**	35 59 51.65	43.175	− 3.52	+ 42.5	2 38 41.11	.....	+ 2 51 42.8	....
23	μ Ceti	9	41 20.32	− 0.02	**−72.86**	29 5 49.80	47.245	− 3.52	+ 32.6	2 40 7.53	.....	+ 9 44 21.7	....
24	ζ Arietis	9	10 59.43	− 0.02	**−72.84**	18 7 48.60	46.385	− 3.41	+ 19.2	3 9 46.63	.....	+20 42 55.9	....
25	ο Tauri	9	21 13.85	− 0.02	**−72.82**	30 7 49.78	45.432	− 3.36	+ 34.0	3 20 1.04	.....	+ 8 43 1.6	....
26	*f* Tauri	9	27 9.90	− 0.02	**−72.79**	26 13 49.02	43.170	− 3.33	+ 28.9	3 25 57.09	.....	+12 37 59.2	....
27	*A* Tauri	9	0 38.16	− 0.02	**−72.80**	16 59 47.48	47.838	− 3.14	+ 18.0	3 59 25.33	.....	+21 50 24.7	....
28	o^1 Eridani	9	8 43.81	− 0.03	**−72.78**	45 53 49.65	47.015	− 3.10	+1 0.3	4 7 30.97	.....	− 7 4 0.9	....
29	o^2 Eridani	9	12 23.18	− 0.03	**−72.80**	46 37 49.50	45.090	− 3.07	+1 1.8	4 11 10.34	.....	− 7 47 18.3	....
30	ν Eridani	9	33 4.76	− 0.02	**−72.83**	42 21 47.12	47.037	− 2.94	+ 53.5	4 31 51.92	.....	− 3 31 52.2	....
31	53 Eridani	9	35 18.91	− 0.03	**−72.87**	53 17 49.82	47.382	− 2.94	+1 18.6	4 34 6.06	.....	−14 28 27.7	....
32	π^3 Orionis	9	46 12.79	− 0.02	**−72.83**	32 1 48.82	46.645	− 2.87	+ 36.8	4 44 59.94	.....	+ 6 48 31.6	....
33	ι Tauri	9	58 58.63	− 0.02	**−72.80**	17 23 49.82	43.842	− 2.80	+ 18.4	4 57 45.78	.....	+21 27 52.9	....
34	11 Orionis	9	0 41.12	− 0.02	**−72.81**	23 33 48.75	46.050	− 2.80	+ 25.5	4 59 28.27	.....	+15 16 56.5	....
35	β Tauri	9	21 51.93	− 0.04	**−72.83**	10 19 48.12	43.880	− 2.68	+ 10.8	5 20 39.05	.....	+28 32 1.2	....
36	δ Orionis	9	28 39.82	− 0.03	**−72.83**	39 11 49.95	46.698	− 2.63	+ 47.9	5 27 26.94	.....	− 0 21 42.1	....
37	ζ Tauri	9	33 31.57	− 0.03	**−72.85**	17 45 49.70	45.062	− 2.61	+ 18.8	5 32 18.69	.....	+21 5 24.6	....
38	ζ Orionis	9	37 28.28	− 0.03	**−72.80**	40.49 49.22	45.145	− 2.59	+ 50.7	5 36 15.40	.....	− 1 59 8.7	....
39	κ Orionis	9	44 44.50	− 0.04	**−72.88**	48.31 51.42	46.127	− 2.54	+1 6.3	5 43 31.60	.....	− 9 41 48.9	....
40	α Orionis	9	51 33.33	− 0.03	**−72.85**	31 27 48.85	43.772	− 2.49	+ 35.9	5 50 20.44	.....	+ 7 23 37.7	....
41	η Geminorum	9	10 42.24	− 0.04	**−72.82**	16 17 49.45	48.630	− 2.45	+ 17.2	6 9 29.33	.....	+22 32 4.8	....
42	8 Monocerotis	9	20 15.09	− 0.03	**−72.81**	34 11 51.08	46.445	− 2.44	+ 40.0	6 19 2.19	.....	+ 4 38 30.3	....
43	Moon II, S	9	31 51.86	− 0.04	−72.90	12 49 48.72	44.322	− 2.38	+ 13.4	7 30 38.92	−74.50	+26 1 47.7	....
	October 24, M.												
44	Sun I, N	9	53 17.32	0.00	−73.08	50 11 51.82	44.347	− 2.50	+1 8.4	13 52 4.24	+65.94	−11 21 11.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 2 11	......	....	49.0
2 38	......	....	48.4
2 56	29.616	49.0	47.9
4 56	29.600	47.0	46.1
5 24	......	....	45.6
5 40	29.604	46.2	45.0
6 4	......	....	44.3
6 27	29.660	46.1	46.2
23 2 10	29.818	46.0	44.2
2 35	......	....	44.8
3 11	29.812	45.8	43.8
4 1	29.810	45.5	44.4
4 12	......	....	44.9
4 33	......	....	43.2
4 46	......	....	42.9
5 1	......	....	44.9
5 22	......	....	42.2
5 37	29.806	43.8	43.1
5 52	......	....	43.2
6 20	29.810	43.5	42.3
7 32	29.816	43.7	43.2
24 13 55	29.812	56.0	56.5

Micrometer bisections are made at II, VI, except as noted below.

2, 19. Z. D. threads C used.
2, 19, 40. Bisections at I, II, VI, VII.
17, 22. Bisections at I, II.
18, 31. Bisections at VI, VII.
26, 30, 39, 41. Bisections at II, VI, VII.
43. Bisections at II, III, IV, V, VI.
44. Bisections at I, II, III.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 0.5	.. ....	...	+ 0.5
17	+11 50.0	−16 9.6	0.0	− 4 19.6
18	+12 23.3	+16 9.6	...	+28 32.9
19	+ 0.5	.. ....	...	+ 0.5
43	+12 50.5	+15 57.6	...	+28 48.1
44	+ 6.8	−16 5.7	...	−15 58.9

Notes.

32. Unsteady.
34–42. Conditions very poor.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, S.	9	55 29.19	0.00	−73.08	50 43 51.12	44.850	− 2.50	+1 9.8	13 54 16.11	−65.93	−11 53 22.6	....
2	β Ophiuchi	9	40 15.58	− 0.06	**[−73.14]**	34 13 49.60	47.309	− 3.32	+ 38.5	17 39 2.34	.....	+ 4 36 14.4	....
3	ν Ophiuchi	9	55 18.57	− 0.08	**[−73.17]**	48 35 50.12	46.462	− 3.32	+1 4.1	17 54 5.31	.....	− 9 45 52.3	....
4	η Serpentis	9	17 53.48	− 0.07	**[−73.24]**	41 45 49.85	45.830	− 3.32	+ 50.5	18 16 40.22	.....	− 2 55 24.0	....
5	3 H. Scuti	9	31 33.01	− 0.08	**[−73.16]**	47 7 50.98	48.230	− 3.32	+1 1.0	18 30 19.73	.....	− 8 18 30.5	....
6	θ Serpentis	9	52 59.14	− 0.06	**[−73.22]**	34 45 50.25	44.738	− 3.32	+ 39.4	18 51 45.87	.....	+ 4 5 11.6	....
7	51 H. Cephei s. p.	9	0 16.78	+ 1.94	−73.21	306 3 53.00	45.712	− 3.32	−1 17.4	6 59 5.51	.....	+87 11 16.5	....
	October 24, P.												
8	ξ Piscium	9	50 10.19	− 0.08	**−73.49**	36 5 53.02	45.215	− 3.26	+ 41.9	1 48 56.66	.....	+ 2 44 55.4	....
9	Saturn I, C.	7	9 13.79	− 0.07	−73.46	28 49 49.05	47.976	− 3.26	+ 31.7	2 8 0.26	+ 0.74	+10 1 41.7	....
10	Saturn II	6	9 15.27	− 0.07	−73.46	... .	......	....	. ....	2 8 1.74	− 0.74	.. ..	....
11	ν Arietis	9	34 58.79	− 0.07	**−73.46**	17 15 49.22	47.130	− 3.26	+ 17.9	2 33 45.25	.....	+21 34 39.4	....
12	γ Ceti	9	39 54.70	− 0.08	**−73.55**	35 59 52.28	43.150	− 3.26	+ 41.8	2 38 41.14	.....	+ 2 51 43.5	....
13	μ Ceti	9	41 21.07	− 0.07	**−73.55**	29 5 49.85	47.222	− 3.26	+ 32.1	2 40 7.52	.....	+ 9 44 22.6	....
14	ο Tauri	9	21 14.61	− 0.08	**−73.50**	30 7 51.42	45.368	− 3.26	+ 33.4	3 20 1.03	.....	+ 8 43 1.9	....
15	ξ Tauri	9	23 33.93	− 0.07	**−73.52**	29 25 50.65	44.358	− 3.26	+ 32.5	3 22 20.36	.....	+ 9 25 26.7	....
16	ν Eridani	9	33 5.58	− 0.08	**−73.56**	42 21 51.22	46.895	− 3.26	+ 52.6	4 31 51.97	.....	− 3 31 51.9	....
17	53 Eridani	9	35 19.77	− 0.10	**−73.63**	53 17 52.22	47.318	− 3.26	+1 17.2	4 34 6.14	.....	−14 28 27.1	....
18	ι Tauri	[illegible]	[illegible] 59.41	− 0.07	**−73.50**	17 23 51.88	43.752	− 3.12	+ 18.1	4 57 45.80	.....	+21 27 53.3	....
19	11 Orionis	9	0 41.92	− 0.07	**−73.53**	23 33 51.10	45.937	− 3.12	+ 25.2	4 59 28.31	.....	+15 16 57.4	....
20	γ Orionis	9	21 34.41	− 0.09	**−73.52**	32 33 50.95	47.032	− 3.12	+ 36.8	5 20 20.77	.....	+ 6 16 20.9	....
21	δ Orionis	9	28 40.61	− 0.09	**−73.53**	39 11 53.45	46.562	− 3.12	+ 47.0	5 27 26.97	.....	− 0 21 41.1	....
22	ι Orionis	9	32 17.88	− 0.09	**−73.54**	44 47 53.45	46.553	− 3.12	+ 57.2	5 31 4.23	.....	− 5 57 51.0	....
23	ζ Orionis	9	37 29.06	− 0.09	**−73.49**	40 49 51.68	45.090	− 3.12	+ 49.8	5 36 15.41	.....	− 1 59 8.5	....
24	κ Orionis	9	44 45.32	− 0.10	**−73.61**	48 31 52.82	46.142	− 3.12	+1 5.2	5 43 31.66	.....	− 9 41 49.0	....
25	α Orionis	9	51 34.12	− 0.08	**−73.57**	31 27 48.45	43.835	− 3.12	+ 35.3	5 50 20.47	.....	+ 7 23 37.9	....
26	δ Ursæ Minoris s. p.	9	2 7.17	+ 2.25	−73.57	305 29 50.20	45.315	− 3.12	−1 20.4	18 0 55.85	.....	+86 37 1.9	....
27	8 Monocerotis	9	20 15.89	− 0.09	**−73.52**	34 11 52.38	46.420	− 3.12	+ 39.2	6 19 2.22	.....	+ 4 38 31.0	....
28	ν Geminorum	9	24 53.38	− 0.09	**−73.57**	18 33 51.08	47.975	− 3.12	+ 19.4	6 23 39.71	.....	+20 16 16.5	....
29	ζ Geminorum	9	0 2.34	− 0.09	**−73.54**	18 7 48.60	48.235	− 3.12	+ 19.0	6 58 48.65	.....	+20 42 13.3	....
30	γ Canis Majoris	9	0 56.76	− 0.11	**−73.59**	54 19 48.40	45.468	− 3.12	+1 20.3	6 59 43.05	.....	−15 29 44.1	....
31	δ Geminorum	9	16 0.94	− 0.09	**−73.54**	16 41 49.30	46.372	− 3.12	+ 17.4	7 14 47.25	.....	+22 8 57.0	....
32	Moon II, S.	9	33 27.84	− 0.09	−73.64	15 11 48.18	44.251	− 2.98	+ 15.7	8 32 14.11	−71.81	+23 39 48.1	....
	October 25, L.												
33	ζ Ceti	9	48 18.32	− 0.07	**−74.22**	49 35 55.72	47.570	− 3.11	+1 7.9	1 47 4.06	.....	−10 46 27.3	....
34	ξ Piscium	9	50 10.91	− 0.05	**−74.24**	36 5 54.78	45.080	− 3.11	+ 42.2	1 48 56.67	.....	+ 2 44 56.2	....
35	Saturn I, C.	5	8 56.03	− 0.04	−74.20	28 51 54.20	46.719	− 3.11	+ 31.9	2 7 41.79	+ 0.75	+10 0 4.9	....
36	Saturn II	5	8 57.53	− 0.04	−74.20	... .	......	....	. ....	2 7 43.29	− 0.75	.. ..	....
37	ν Arietis	9	34 59.48	− 0.04	**−74.16**	17 15 53.12	46.910	− 3.09	+ 18.0	2 33 45.23	.....	+21 34 40.2	....
38	γ Ceti	9	39 55.30	− 0.05	**−74.17**	35 59 54.42	43.005	− 3.08	+ 42.0	2 38 41.03	.....	+ 2 51 44.0	....
39	μ Ceti	9	41 21.80	− 0.04	**−74.29**	29 5 55.25	46.945	− 3.08	+ 32.2	2 40 7.54	.....	+ 9 44 23.3	....
40	δ Arietis	9	7 46.17	− 0.04	**−74.25**	19 27 55.22	44.545	− 3.04	+ 20.5	3 6 31.90	.....	+19 23 29.6	....
41	γ Orionis	9	21 35.17	− 0.04	**−74.31**	32 33 53.78	46.828	− 2.82	+ 37.1	5 20 20.84	.....	+ 6 16 22.1	....
42	δ Orionis	9	28 41.38	− 0.05	**−74.32**	39 11 55.42	46.385	− 2.81	+ 47.3	5 27 27.04	.....	− 0 21 39.6	....
43	ι Orionis	9	32 18.64	− 0.06	**−74.31**	44 47 55.70	46.400	− 2.81	+ 57.6	5 31 4.28	.....	− 5 57 50.5	....
44	ζ Orionis	9	37 29.86	− 0.05	**−74.31**	40 49 53.92	44.910	− 2.80	+ 50.2	5 36 15.51	.....	− 1 59 7.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 17 39	29.712	60.7	59.6
18 18	29.710	60.2	58.8
19 0	29.700	58.8	57.5
1 47	29.588	50.7	49.2
2 12	......	....	49.0
2 33	......	....	48.7
2 46	29.561	50.0	48.4
3 20	......	....	48.2
3 27	29.551	49.5	48.1
4 30	29.530	48.8	47.2
4 57	......	....	47.2
5 20	......	....	47.0
5 40	29.500	48.1	46.7
5 58	......	....	46.3
6 17	......	....	46.0
6 28	29.488	47.3	46.0
6 57	......	....	46.0
7 18	29.472	46.8	45.3
8 34	29.440	46.2	45.0
25 1 51	29.518	46.9	45.4
2 10	......	....	45.1
2 36	......	....	45.1
3 6	29.514	45.2	44.0
5 22	29.544	45.0	44.1

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at V, VI, VII.
2, 9, 35.	Bisections at I, II, VI, VII.
7, 26.	Bisections at b_4, b_5, b_6.
9, 35.	Z. D. threads C used.
12, 19, 22.	Bisections at II, VI, VII.
13, 30, 39.	Bisections at VI, VII.
18, 29, 38.	Bisections at I, II.
32.	Bisections at II, III, IV, V, VI.

Note.

7. Micrometer reading decreased 1 rev.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.8	+16 5.7	...	+16 12.5
9	+ 0.5	.. ....	...	+ 0.5
32	+14 57.7	+15 43.8	...	+30 41.5
35	+ 0.5	.. ....	...	+ 0.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Orionis	9	44 46.00	− 0.07	**−74.30**	48 31 56.48	45.890	− 2.80	+1 5.6	5 43 31.63	.....	− 9 41 47.6	....
2	α Orionis	9	51 34.85	− 0.04	**−74.31**	31 27 54.72	43.480	− 2.78	+ 35.5	5 50 20.50	.....	+ 7 23 39.2	....
3	δ Ursæ Minoris s. p.	9	2 7.17	+ 1.36	−74.31	305 29 52.22	45.252	− 2.77	−1 20.9	18 0 54.22	.....	+86 37 2.3	....
4	8 Monocerotis	9	20 16.64	− 0.05	**−74.28**	34 11 54.55	46.255	− 2.74	+ 39.5	6 19 2.27	.....	+ 4 38 32.0	....
5	10 Monocerotis	9	24 47.49	− 0.06	**−74.25**	43 31 54.95	47.310	− 2.73	+ 55.2	6 23 33.11	.....	− 4 42 8.2	....
6	51 H. Cephei	7	0 21.62	− 1.67	−74.34	311 39 48.45	49.138	− 2.68	−1 4.9	6 59 5.61	.....	+87 11 16.5	....
7	λ Ursæ Minoris s. p.	7	10 58.11	+ 5.14	−74.34	307 53 52.62	43.937	− 2.66	−1 14.3	19 9 48.91	.....	+89 0 39.2	....
8	χ Geminorum	9	59 16.12	− 0.03	**−74.27**	10 47 53.68	46.848	− 2.61	+ 11.1	7 58 1.73	.....	+28 2 47.5	....
9	β Cancri	9	12 54.41	− 0.03	**−74.42**	29 21 54.65	48.322	− 2.59	+ 32.8	8 11 40.01	.....	+ 9 27 51.1	....
10	η Cancri	9	28 46.67	− 0.03	[**−74.35**]	18 5 53.78	46.435	− 2.57	+ 19.0	8 27 32.26	.....	+20 44 48.9	....
11	δ Cancri	9	40 50.54	− 0.03	[**−74.35**]	20 21 54.50	45.515	− 2.55	+ 21.6	8 39 36.13	.....	+18 29 6.6	....
12	α Cancri	9	54 49.99	− 0.03	[**−74.33**]	26 37 54.55	47.060	− 2.54	+ 29.2	8 53 35.57	.....	+12 12 23.6	....
13	Moon II, S	9	30 25.39	− 0.03	−74.40	18 53 54.05	47.911	− 2.51	+ 20.0	9 29 10.96	−68.78	+19 56 13.9	....
14	ο Leonis	9	37 36.68	− 0.03	[**−74.36**]	28 31 54.65	47.695	− 2.51	+ 31.6	9 36 22.24	.....	+10 18 6.6	....
15	Mercury C, C	9	23 17.94	− 0.01	−74.51	45 39 55.75	47.641	− 2.41	+ 58.0	13 22 3.42	− 0.01	− 6 50 19.7	....
	October 26, L.												
16	Sun I, N	9	0 57.48	− 0.02	−74.53	50 51 52.65	48.282	− 2.41	+1 9.5	13 59 42.93	+66.29	−12 2 43.1	....
17	Sun II, S	9	3 10.06	− 0.02	−74.53	51 23 53.48	48.900	− 2.41	+1 10.9	14 1 55.51	−66.29	−12 34 58.7	....
18	β Ophiuchi	9	40 17.02	− 0.11	[**−74.56**]	34 13 52.52	47.180	− 4.26	+ 38.3	17 39 2.28	.....	+ 4 36 15.6	....
19	ν Ophiuchi	9	55 20.05	− 0.11	[**−74.65**]	48 35 54.60	46.260	− 4.26	+1 3.8	17 54 5.30	.....	− 9 45 50.9	....
20	η Serpentis	9	17 54.92	− 0.11	[**−74.67**]	41 45 53.58	45.628	− 4.26	+ 50.2	18 16 40.16	.....	− 2 55 21.9	....
21	3 H. Scuti	9	31 34.50	− 0.11	[**−74.65**]	47 7 54.50	48.038	− 4.26	+1 0.7	18 30 19.74	.....	− 8 18 28.4	....
22	θ Serpentis	9	53 0.61	− 0.11	[**−74.67**]	34 45 54.12	44.538	− 4.26	+ 39.2	18 51 45.84	.....	+ 4 5 13.4	....
23	51 H. Cephei s. p.	9	0 17.94	+ 3.02	−74.67	306 3 52.55	45.825	− 4.26	−1 17.1	6 59 6.29	.....	+87 11 18.0	....
24	λ Ursæ Minoris	6	11 14.65	− 8.40	−74.67	309 51 53.35	45.603	− 4.26	−1 7.4	19 9 51.58	.....	+89 0 36.3	....
	October 26, M.												
25	γ Orionis	9	21 35.75	− 0.08	**−74.82**	32 33 48.82	47.182	− 3.50	+ 36.6	5 20 20.82	.....	+ 6 16 20.2	....
26	δ Orionis	9	28 42.01	− 0.09	**−74.88**	39 11 51.15	46.735	− 3.50	+ 46.7	5 27 27.07	.....	− 0 21 42.0	....
27	ι Orionis	9	32 19.24	− 0.09	**−74.85**	44 47 51.18	46.735	− 3.50	+ 56.8	5 31 4.29	.....	− 5 57 52.1	....
28	ζ Orionis	9	37 30.47	− 0.09	**−74.85**	40 49 50.12	45.220	− 3.50	+ 49.4	5 36 15.52	.....	− 1 59 9.1	....
29	κ Orionis	9	44 46.64	− 0.10	**−74.88**	48 31 51.58	46.250	− 3.50	+1 4.7	5 43 31.68	.....	− 9 41 49.4	....
30	α Orionis	9	51 35.48	− 0.08	**−74.87**	31 27 50.78	43.805	− 3.50	+ 35.0	5 50 20.54	.....	+ 7 23 37.0	....
31	8 Monocerotis	9	20 17.29	− 0.08	**−74.87**	34 11 50.50	46.592	− 3.50	+ 38.9	6 19 2.33	.....	+ 4 38 29.7	....
32	Moon II	9	22 53.73	− 0.07	−75.00	23 22	......	.....	. ....	10 21 38.66	−65.97	.. ..	....
	October 27, P.												
33	Moon II	9	10 41.81	− 0.06	−15.74	28 42	......	.....	. ....	11 10 26.01	−63.74	.. ..	....
34	Mercury C, C	9	34 37.71	− 0.05	−15.80	47 3 48.78	46.254	− 3.09	+1 2.1	13 34 21.86	− 0.01	− 8 13 44.4	....
	October 28, P.												
35	Sun I, S	9	7 40.44	− 0.05	−15.82	52 5 47.75	45.887	− 3.57	+1 14.0	14 7 24.57	+66.52	−13 15 46.8	....
36	Sun II, N	9	9 53.48	− 0.05	−15.82	51 33 47.75	45.263	− 3.57	+1 12.6	14 9 37.61	−66.52	−12 43 30.4	....
37	β Ophiuchi	9	39 18.31	− 0.07	[**−15.91**]	34 13 49.18	47.305	− 3.63	+ 39.2	17 39 2.31	.....	+ 4 36 14.5	....
38	ν Ophiuchi	9	54 21.27	− 0.08	[**−15.92**]	48 35 50.42	46.388	− 3.63	+1 5.4	17 54 5.26	.....	− 9 45 51.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 5 43	......	....	44.1
6 5	......	....	44.0
6 25	29.562	44.9	43.9
7 11	29.576	44.8	43.9
8 13	29.586	44.8	44.0
8 29	......	....	43.9
8 41	......	....	44.0
8 55	......	....	44.0
9 25	......	....	44.3
9 38	29.632	45.9	44.8
13 23	29.652	56.9	57.3
26 14 3	29.646	58.0	58.2
17 41	......	....	60.6
17 56	29.614	61.4	60.2
18 18	......	....	60.0
18 32	......	....	59.6
18 53	......	....	58.7
19 6	......	....	58.1
19 14	29.614	58.9	57.7
5 22	29.478	51.2	49.9
5 38	......	....	49.9
5 52	......	....	49.9
6 20	29.472	51.6	49.9
27 13 35	29.621	49.2	47.3
28 14 10	29.622	50.3	48.0
17 37	29.638	51.0	49.0
17 57	......	....	48.5

Micrometer bisections are made at II, VI, except as noted below.

3, 6, 7, 23, 24.	Bisections at b_4, b_5, b_6.
13.	Bisections at II, III, IV, V, VI.
15, 34.	Bisections at I, II, VI, VII.
16, 35.	Bisections at I, II, III.
17, 36.	Bisections at V, VI, VII.

Notes.

14.	Unsteady.
24.	Very faint.
31.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
13	+18 17.4	+15 31.0	...	+33 48.4
15	+ 4.8	.. ....	+ 0.1	+ 4.9
16	+ 6.8	−16 7.7	...	−16 0.9
17	+ 6.9	+16 7.8	...	+16 14.7
34	+ 4.8	.. ....	+ 0.1	+ 4.9
35	+ 7.0	+16 8.2	...	+16 15.2
36	+ 6.9	−16 8.1	...	−16 1.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ursæ Minoris	9	1 11.44	− 2.26	−15.94	312 15 47.58	44.580	− 3.63	−1 3.2	18 0 53.24	.....	+86 37 0.7	....
2	η Serpentis	9	16 56.08	− 0.08	[−15.88]	41 45 49.55	45.748	− 3.63	+ 51.6	18 16 40.06	.....	− 2 55 22.7	....
3	3 H. Scuti	9	30 35.75	− 0.08	[−15.95]	47 7 50.70	48.180	− 3.63	+1 2.4	18 30 19.72	.....	− 8 18 30.1	....
4	θ Serpentis	9	52 1.79	− 0.07	[−15.91]	34 45 49.45	44.725	− 3.63	+ 40.3	18 51 45.76	.....	+ 4 5 12.1	....
5	51 H. Cephei s. p.	7	59 20.57	+ 2.92	−15.96	306 3 48.45	46.055	− 3.63	−1 19.2	6 59 7.53	.....	+87 11 17.7	....
6	α² Capricorni	9	13 21.59	− 0.08	−15.99	51 39 50.10	44.828	− 3.63	+1 13.8	20 13 5.51	.....	−12 49 24.4	....
7	β Capricorni	9	16 15.29	− 0.09	−15.98	53 53 48.75	45.978	− 3.63	+1 20.0	20 15 59.20	.....	−15 3 55.5	....
8	π Capricorni	9	22 28.31	− 0.09	−16.05	57 19 49.18	46.775	− 3.63	+1 31.1	20 22 12.22	.....	−18 30 25.2	....
9	ρ Capricorni	9	24 1.75	− 0.09	−16.03	56 55 50.50	47.492	− 3.63	+1 29.8	20 23 45.66	.....	−18 6 41.6	....
10	ε Aquarii	9	43 6.34	− 0.08	−16.04	48 39 49.65	45.282	− 3.63	+1 6.6	20 42 50.25	.....	− 9 49 27.1	....
11	ι Pegasi	9	3 7.25	− 0.06	−16.00	13 55 48.20	47.360	− 3.56	+ 14.6	22 2 51.14	.....	+24 54 38.7	....
12	η Pegasi	9	39 5.12	− 0.05	−16.04	9 5 48.55	45.620	− 3.56	+ 9.5	22 38 49.00	.....	+29 45 23.2	....
13	β Pegasi	9	59 42.93	− 0.05	−16.02	11 15 48.55	43.820	− 3.56	+ 11.8	22 59 26.81	.....	+27 36 2.1	....
14	τ Pegasi	9	16 29.30	− 0.04	−16.05	15 35 47.80	45.785	− 3.56	+ 16.5	23 16 13.18	.....	+23 15 13.2	....
15	υ Pegasi	9	21 11.62	− 0.04	−16.03	15 55 46.02	46.753	− 3.56	+ 16.9	23 20 55.49	.....	+22 54 52.5	....
16	θ Piscium	9	23 42.76	− 0.03	−16.10	32 57 50.08	44.320	− 3.56	+ 38.2	23 23 26.64	.....	+ 5 53 22.7	....
17	ζ Ceti	9	47 20.40	0.00	−16.35	49 35 49.82	47.790	− 2.50	+1 9.5	1 47 4.25	.....	−10 46 28.6	....
18	ξ Piscium	9	49 12.83	+ 0.01	−16.20	36 5 46.85	45.367	− 2.50	+ 43.2	1 48 56.69	.....	+ 2 44 56.1	....
19	Saturn I, C.	7	7 2.77	+ 0.02	−16.16	28 55 47.40	49.040	− 2.35	+ 32.8	2 6 46.63	+ 0.75	+ 9 55 17.0	....
20	Saturn II	7	7 4.27	+ 0.02	−16.16	... .	......	....	. ....	2 6 48.13	− 0.75	.. ..	....
21	δ Ceti	9	35 11.19	+ 0.02	−16.14	38 53 47.68	45.560	− 2.13	+ 47.8	2 34 55.03	.....	− 0 3 14.2	....
22	μ Ceti	9	40 23.69	+ 0.02	−16.21	29 5 48.38	47.180	− 2.10	+ 33.0	2 40 7.53	.....	+ 9 44 22.8	....
23	ε Arietis (*mean*)	9	54 23.06	+ 0.03	−16.20	17 51 47.65	45.860	− 1.99	+ 19.2	2 54 6.91	.....	+20 59 7.4	....
24	δ Arietis	9	6 48.08	+ 0.03	−16.18	19 27 48.45	44.780	− 1.90	+ 21.0	3 6 31.92	.....	+19 23 29.4	....
	October 28, L.												
25	γ Orionis	9	20 37.15	+ 0.06	−16.31	32 33 48.05	46.995	− 1.95	+ 38.0	5 20 20.90	.....	+ 6 16 22.2	....
26	δ Orionis	9	27 43.35	+ 0.08	−16.34	39 11 51.15	46.515	− 1.89	+ 48.6	5 27 27.12	.....	− 0 21 40.5	....
27	ι Orionis	9	31 20.53	+ 0.08	−16.26	44 47 49.85	46.540	− 1.89	+ 59.1	5 31 4.29	.....	− 5 57 50.3	....
28	ζ Orionis	9	36 31.83	+ 0.08	−16.33	40 49 49.98	45.005	− 1.86	+ 51.4	5 36 15.59	.....	− 1 59 7.7	....
29	κ Orionis	9	43 47.99	+ 0.08	−16.36	48 31 52.25	45.942	− 1.83	+1 7.3	5 43 31.75	.....	− 9 41 47.3	....
30	α Orionis	9	50 36.79	+ 0.08	−16.28	31 27 49.38	43.655	− 1.80	+ 36.4	5 50 20.55	.....	+ 7 23 38.7	....
31	δ Ursæ Minoris s. p.	9	1 6.83	+ 2.63	−16.33	305 29 48.62	45.418	− 1.74	−1 22.9	18 0 53.13	.....	+86 37 1.5	....
32	β Canis Majoris	9	19 2.54	+ 0.09	−16.29	56 43 49.30	46.588	− 1.65	+1 30.6	6 18 46.29	.....	−17 54 22.5	....
33	10 Monocerotis	9	23 49.48	+ 0.10	−16.31	43 31 50.82	47.415	− 1.61	+ 56.6	6 23 33.24	.....	− 4 42 9.0	....
34	51 H. Cephei	6	59 26.95	− 3.00	−16.36	311 39 48.75	49.177	− 1.43	−1 6.6	6 59 7.59	.....	+87 11 15.7	....
35	λ Ursæ Minoris s. p.	7	9 52.39	+ 9.62	−16.36	307 53 49.12	44.138	− 1.37	−1 16.3	19 9 45.65	.....	+89 0 39.6	....
36	ε Draconis s. p.	8	48 43.26	+ 0.75	−16.38	288 55 49.22	48.312	− 1.22	−2 51.5	19 48 27.63	.....	+70 2 40.1	....
37	κ Cephei s. p.	9	12 9.14	+ 1.04	−16.39	296 19 48.78	46.484	− 1.22	−1 59.6	20 11 53.79	.....	+77 26 49.5	....
38	Moon II	9	56 54.07	+ 0.14	−16.46	34 20	......	....	. ....	11 56 37.75	−62.25	.. ..	....
	October 29, L.												
39	β Ophiuchi	9	39 18.79	+ 0.15	[−16.62]	34 13 51.70	47.066	− 2.46	+ 40.0	17 39	.....	+ 4 36 15.5	....
40	ν Ophiuchi	9	54 21.72	+ 0.18	[−16.64]	48 35 52.20	46.151	− 2.50	+1 6.6	17 54	.....	− 9 45 50.6	....
41	η Serpentis	9	16 56.58	+ 0.16	[−16.63]	41 45 52.15	45.516	− 2.56	+ 52.8	18 16	.....	− 2 55 22.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 18 20	29.650	50.0	47.7
18 33	......	....	47.1
18 56	......	....	46.1
19 4	29.665	48.1	....
20 11	29.684	45.1	43.0
20 28	......	....	42.2
20 45	29.693	44.0	42.0
22 0	29.698	43.0	41.0
22 41			40.2
22 57	29.718	42.0	40.0
23 15			39.3
23 27	29.720	41.8	39.2
1 44	29.714	39.8	37.5
2 10	......		37.1
2 34	......		36.9
2 45	.. ..	..	36.2
3 8	29.712	38.2	36.0
3 21	29.704	36.3	34.9
3 37	......	..	34.8
3 54	......	..	34.9
6 20	29.718	36.2	34.9
7 10	29.748	36.1	34.0
7 51	.. ..	...	33.9
8 11	29.762	35.8	33.9
29 17 10	29.800	45.1	44.0
17 55	......	....	43.8
18 18	...	...	41.1

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 31, 34, 35.	Bisections at b_4, b_5, b_6.
3, 15, 18.	Bisections at II, VI, VII.
19.	Z. D. threads C used.
19, 39–41.	Bisections at I, II, VI, VII.
36.	Bisections at II, III, IV.
37.	Bisections at II, III, V, VI.

Notes.

17. Fuzzy.
25. Diffuse.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	+ 0.5	.. ....	...	+ 0.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Serpentis	9	52 2.25	+ 0.15	[−**16.61**]	34 45 52.12	44.481	- 2.67	+ 41.1	18 51	.....	+ 4 5 13.2	....
2	51 H. Cephei s. p.	7	59 19.02	+ 4.76	−16.69	306 3 51.12	46.000	− 2.68	−1 20.9	6 59 7.09	.....	+87 11 18.4	....
3	ε Draconis	9	48 44.61	− 0.35	.....	328 49 51.28	44.155	− 2.82	− 35.8	19 48	.....	+70 2 38.3	....
4	κ Cephei	9	12 11.24	− 0.72	.....	321 25 52.32	44.258	− 2.88	− 47.3	20 11	.....	+77 26 46.3	....
	October 30, M.												
5	γ Orionis	9	20 38.23	+ 0.14	**−17.42**	32 33 49.82	47.022	− 2.46	+ 38.5	5 20 20.91	.....	+ 6 16 19.8	....
6	δ Orionis	9	27 44.45	+ 0.16	**−17.47**	39 11 51.12	46.590	− 2.46	+ 49.1	5 27 27.15	.....	− 0 21 42.1	....
7	ι Orionis	9	31 21.69	+ 0.17	**−17.46**	44 47 52.35	46.500	− 2.46	+ 59.8	5 31 4.40	.....	− 5 57 52.0	....
8	ζ Orionis	9	36 32.98	+ 0.16	**−17.51**	40 49 49.65	45.052	− 2.46	+ 52.0	5 36 15.67	.....	− 1 59 8.4	....
9	κ Orionis	9	43 49.09	+ 0.18	**−17.50**	48 31 50.68	46.105	− 2.46	+1 8.1	5 43 31.80	.....	− 9 41 49.5	....
10	α Orionis	9	50 37.98	+ 0.14	**−17.48**	31 27 50.30	43.715	− 2.46	+ 36.8	5 50 20.65	.....	+ 7 23 36.7	....
11	β Canis Majoris	9	19 3.73	+ 0.19	**−17.53**	56 43 49.30	46.585	− 2.46	+1 31.7	6 18 46.43	.....	−17 54 22.8	....
12	10 Monocerotis	9	23 50.56	+ 0.17	**−17.41**	43 31 50.72	47.475	− 2.46	+ 57.3	6 23 33.24	.....	− 4 42 10.2	....
13	51 H. Cephei	9	59 30.22	− 4.43	−17.51	311 39 53.02	48.952	− 2.46	−1 7.4	6 59 8.28	.....	+87 11 18.4	....
14	ε Draconis s. p.	9	48 44.23	+ 0.93	−17.53	288 55 55.82	48.067	− 2.46	−2 53.6	19 48 27.63	.....	+70 2 37.8	....
15	κ Cephei s. p.	9	12 9.77	+ 1.33	−17.54	296 19 54.25	46.293	− 2.46	−2 1.2	20 11 53.56	.....	+77 26 48.1	....
16	Mercury C, C	9	53 13.28	+ 0.18	−17.72	49 7 51.20	45.065	− 2.07	+1 7.0	13 52 55.74	0.00	−10 17 25.6	....
	October 31, M.												
17	Sun I, S	9	19 20.46	+ 0.18	−17.73	53 5 53.15	44.612	− 1.66	+1 16.8	14 19 2.91	+66.71	−14 15 27.8	....
18	Sun II, N	9	21 33.89	+ 0.18	−17.73	52 33 53.65	44.055	− 1.66	+1 15.3	14 21 16.34	−66.72	−13 43 13.3	....
19	σ Ophiuchi	9	22 21.31	+ 0.05	[−**17.77**]	34 37 50.42	45.190	− 3.55	+ 39.5	17 22 3.53	.....	+ 4 13 1.2	....
20	β Ophiuchi	9	39 20.06	+ 0.04	[−**17.80**]	34 13 52.22	47.224	− 3.55	+ 38.9	17 39 2.26	.....	+ 4 36 13.5	....
21	ν Ophiuchi	9	54 22.97	+ 0.05	[−**17.78**]	48 35 50.38	46.470	− 3.55	+1 4.7	17 54 5.17	.....	− 9 45 53.1	....
22	η Serpentis	9	16 57.88	+ 0.04	[−**17.84**]	41 45 49.32	45.885	− 3.55	+ 51.0	18 16 40.06	.....	− 2 55 25.0	....
23	3 H. Scuti	9	30 37.39	+ 0.04	[−**17.75**]	47 7 50.22	48.254	− 3.55	+1 1.5	18 30 19.57	.....	− 8 18 30.5	....
24	θ Serpentis	9	52 3.56	+ 0.02	[−**17.81**]	34 45 49.18	44.845	− 3.55	+ 39.7	18 51 45.71	.....	+ 4 5 10.3	....
25	51 H. Cephei s. p.	9	59 22.56	+ 4.10	−17.88	306 3 53.55	45.730	− 3.55	−1 18.1	6 59 8.78	.....	+87 11 16.6	....
26	ε Draconis	9	48 45.91	− 0.39	−17.90	328 49 54.32	43.963	− 3.55	− 34.7	19 48 27.62	.....	+70 2 39.5	....
27	κ Cephei	9	12 11.99	− 0.72	−17.91	321 25 52.58	44.160	− 3.55	− 45.8	20 11 53.36	.....	+77 26 47.8	....
	October 31, P.												
28	γ Orionis	9	20 39.11	+ 0.01	**−18.14**	32 33 49.40	47.050	− 3.40	+ 38.0	5 20 20.91	.....	+ 6 16 21.1	....
29	δ Orionis	9	27 45.41	+ 0.02	**−18.26**	39 11 53.05	46.548	− 3.40	+ 48.5	5 27 27.22	.....	− 0 21 41.6	....
30	ι Orionis	9	31 22.62	+ 0.02	**−18.21**	44 47 51.90	46.588	− 3.40	+ 59.0	5 31 4.42	.....	− 5 57 51.8	....
31	ζ Orionis	9	36 33.88	+ 0.02	**−18.24**	40 49 50.88	45.072	− 3.40	+ 51.4	5 36 15.68	.....	− 1 59 8.6	....
32	κ Orionis	9	43 50.02	+ 0.02	**−18.25**	48 31 52.68	46.055	− 3.40	+1 7.2	5 43 31.82	.....	− 9 41 48.6	....
33	α Orionis	9	50 38.87	+ 0.01	**−18.21**	31 27 50.35	43.720	− 3.40	+ 36.4	5 50 20.66	.....	+ 7 23 37.8	....
34	δ Ursæ Minoris s. p.	9	1 7.72	+ 3.31	−18.23	305 29 50.98	45.342	− 3.40	−1 22.9	18 0 52.80	.....	+86 37 0.5	....
35	8 Monocerotis	9	19 20.71	+ 0.01	**−18.23**	34 11 52.98	46.368	− 3.40	+ 40.5	6 19 2.48	.....	+ 4 38 30.6	....
36	51 H. Cephei	9	59 30.09	− 3.63	−18.26	311 39 50.28	49.127	− 3.40	−1 6.5	6 59 8.20	.....	+87 11 17.2	....
37	ε Draconis s. p.	9	48 45.18	+ 0.70	−18.28	288 55 50.98	48.290	− 3.40	−2 51.1	19 48 27.60	.....	+70 2 39.7	....
38	κ Cephei s. p.	9	12 10.82	+ 1.01	−18.29	296 19 50.92	46.413	− 3.40	−1 59.4	20 11 53.54	.....	+77 26 48.4	....
	November 1, P.												
39	Sun I, N	9	23 15.69	+ 0.05	−18.44	52 51 52.20	47.893	− 3.21	+1 16.1	14 22 57.30	+66.88	−14 2 39.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 18 53	29.918	42.4	40.2
19 50	....	....	38.7
20 14	29.952	39.7	38.1
30 5 21	30.080	36.6	35.2
5 37	....	....	35.2
5 51	30.076	36.7	34.9
6 24	30.078	35.2	34.7
7 0	30.080	35.6	34.0
7 49	....	....	33.1
8 12	30.080	34.5	32.7
13 53	....	....	53.7
31 14 22	30.113	54.5	56.0
17 22	30.084	59.7	60.9
17 54	....	....	60.9
18 31	30.076	59.3	60.8
19 13	30.080	58.3	58.8
19 49	....	....	56.3
20 12	30.080	55.8	55.5
5 18	30.042	42.5	41.0
5 40	....	....	40.6
5 57	....	....	40.3
6 21	30.034	41.2	39.8
7 3	30.036	41.0	39.9
7 47	....	....	39.2
8 14	30.032	40.0	38.9

Micrometer bisections are made at II, VI, except as noted below.

1, 16, 19–23.	Bisections at I, II, VI, VII.
2, 13, 25, 34, 36–38.	Bisections at b_3, b_5, b_6.
3, 4.	Bisections at II, III, V, VI.
9.	Bisections at II, VI, VII.
14, 15, 26, 27.	Bisections at III, IV, V.
17, 39.	Bisections at I, II, III.
18.	Bisections at V, VI, VII.
24.	Bisections at VI, VII.

Notes.

14, 15. Unsteady.
17. Revolutions of micrometer reading assumed.
19–27. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
16	+ 4.8	.. ....	0.0	+ 4.8
17	+ 7.1	+16 7.2	...	+16 14.3
18	+ 7.0	−16 7.2	...	−16 0.2
39	+ 7.0	−16 7.4	...	−16 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun II, S.	9	25 29.45	+ 0.05	−18.44	53 23 51.75	48.533	− 3.21	+1 17.6	14 25 11.06	−66.88	−14 34 54.5	....
	November 1, M.												
2	γ Orionis	9	20 39.86	− 0.06	**−18.80**	32 33 50.85	47.105	− 3.88	+ 37.3	5 20 21.02	.....	+ 6 16 19.6	....
3	δ Orionis	9	27 46.02	− 0.05	**−18.78**	39 11 51.50	46.725	− 3.88	+ 47.6	5 27 27.19	.....	− 0 21 42.7	....
4	ι Orionis	9	31 23.27	− 0.06	**−18.76**	44 47 51.55	46.718	− 3.88	+ 58.0	5 31 4.42	.....	− 5 57 53.0	....
5	ζ Orionis	9	36 34.53	− 0.05	**−18.79**	40 49 50.00	45.192	− 3.88	+ 50.4	5 36 15.69	.....	− 1 59 8.9	....
6	κ Orionis	9	43 50.67	− 0.06	**−18.79**	48 31 50.70	46.262	− 3.88	+1 6.0	5 43 31.82	.....	− 9 41 49.7	....
7	β Canis Majoris	9	19 5.33	− 0.06	**−18.82**	56 43 50.80	46.768	− 3.88	+1 29.0	6 18 46.46	.....	−17 54 24.3	....
8	51 H. Cephei	9	59 31.17	− 2.66	−18.83	311 39 52.70	48.947	− 3.88	−1 5.4	6 59 9.68	.....	+87 11 18.3	....
9	ε Draconis s. p.	9	48 45.73	+ 0.47	−18.85	288 55 54.40	47.955	− 3.88	−2 48.2	19 48 27.35	.....	+70 2 37.8	....
10	κ Cephei s. p.	8	12 11.20	+ 0.69	−18.86	296 19 51.25	46.278	− 3.88	−1 57.3	20 11 53.03	.....	+77 26 47.2	....
	November 4, L.												
11	γ Orionis	9	20 41.86	+ 0.12	**−20.90**	32 33 53.60	46.885	− 2.67	+ 37.4	5 20 21.10	.....	+ 6 16 20.5	....
12	δ Orionis	9	27 48.02	+ 0.14	**−20.89**	39 11 55.92	46.432	− 2.67	+ 47.8	5 27 27.28	.....	− 0 21 41.8	....
13	ι Orionis	9	31 25.22	+ 0.14	**−20.83**	44 47 56.28	46.422	− 2.67	+ 58.2	5 31 4.47	.....	− 5 57 52.3	....
14	ζ Orionis	9	36 36.51	+ 0.14	**−20.89**	40 49 54.48	44.955	− 2.67	+ 50.6	5 36 15.76	.....	− 1 59 9.4	....
15	κ Orionis	9	43 52.65	+ 0.15	**−20.91**	48 31 56.12	45.960	− 2.67	+1 6.3	5 43 31.91	.....	− 9 41 49.7	....
16	α Orionis	9	50 41.55	+ 0.12	**−20.90**	31 27 54.70	43.560	− 2.67	+ 35.8	5 50 20.78	.....	+ 7 23 37.0	....
	November 5, L.												
17	Sun I, S.	9	39 3.56	+ 0.13	−21.14	54 39 51.88	47.000	− 2.69	+1 21.2	14 38 42.55	+67.32	−15 50 24.5	....
18	Sun II, N.	9	41 18.20	+ 0.13	−21.14	54 7 53.92	46.168	− 2.69	+1 19.6	14 40 57.19	−67.32	−15 18 5.1	....
	November 6, M.												
19	γ Orionis	9	20 43.13	+ 0.08	**−22.09**	32 33 52.02	46.968	− 3.24	+ 38.0	5 20 21.13	.....	+ 6 16 20.2	....
20	α Leporis	9	29 10.22	+ 0.10	**−22.03**	56 41 50.88	47.983	− 3.24	+1 30.5	5 28 48.23	.....	−17 52 54.4	....
21	ι Orionis	9	31 26.55	+ 0.09	**−22.07**	44 47 51.58	46.632	− 3.24	+ 59.1	5 31 4.55	.....	− 5 57 52.8	....
22	ζ Orionis	9	36 37.84	+ 0.09	**−22.12**	40 49 52.20	45.050	− 3.24	+ 51.4	5 36 15.84	.....	− 1 59 9.5	....
23	κ Orionis	9	43 53.97	+ 0.10	**−22.13**	48 31 52.10	46.122	− 3.24	+1 7.3	5 43 31.98	.....	− 9 41 49.8	....
24	α Orionis	9	50 42.84	+ 0.08	**−22.09**	31 27 50.20	43.765	− 3.24	+ 36.4	5 50 20.82	.....	+ 7 23 36.9	....
25	β Canis Majoris	9	19 8.61	+ 0.10	**−22.12**	56 43 50.58	46.695	− 3.24	+1 30.7	6 18 46.60	.....	−17 54 24.8	....
	November 7, M.												
26	Sun N.	.	.. ..	....	.....	54 43 50.65	46.675	− 2.31	+1 23.0	14 47	.....	−15 54 18.0	....
27	Sun S.	.	.. ..	....	.....	55 15 49.55	47.572	− 2.31	+1 24.7	.. ..	.....	−16 26 38.4	....
28	51 H. Cephei s. p.	9	59 31.56	+ 3.93	−22.46	306 3 45.50	46.165	− 3.03	−1 19.6	6 59 13.03	.....	+87 11 17.5	....
29	π Sagittarii	9	4 48.37	+ 0.17	−22.46	60 0	......	....	. ....	19 4 26.08	.....	−21 10	....
30	Moon I.	9	18 45.39	+ 0.17	−22.47	66 26	......	....	. ....	19 18 23.09	+69.76	.. ..	....
31	h Sagittarii	9	31 37.82	+ 0.17	−22.47	63 54	......	....	. ....	19 31 15.52	.....	−25 5	....
32	f Sagittarii	9	41 30.75	+ 0.17	−22.48	58 48	......	....	. ....	19 41 8.44	− 1.53	−19 58	....
33	ε Draconis	9	48 49.89	− 0.28	−22.48	328 49 55.08	43.932	− 3.03	− 35.2	19 48 27.13	.....	+70 2 39.4	....
34	c Sagittarii	9	57 31.72	+ 0.17	−22.48	66 46	......	....	. ....	19 57 9.41	.....	−27 57	....
35	4 B. Ursæ Minoris s. p.	7	9 57.66	+ 9.66	−22.49	307 45 53.92	47.360	− 3.03	−1 15.3	8 9 44.83	.....	+88 53 56.1	....
36	κ Cephei	9	12 15.83	− 0.58	−22.49	321 25 53.88	44.127	− 3.03	− 46.6	20 11 52.76	.....	+77 26 47.5	....
37	π Capricorni	9	22 34.36	+ 0.16	**−22.49**	57 20	......	....	. ....	20 22 12.02	.....	−18 30	....
38	ρ Capricorni	9	24 7.83	+ 0.16	**−22.50**	56 56	......	....	. ....	20 23 45.49	.....	−18 6	....
	November 7, P.												
39	Mercury C, C.	9	43 13.41	+ 0.15	−23.05	54 15 52.72	44.495	− 2.21	+1 19.0	14 42 50.51	0.00	−15 25 26.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 14 25	30.062	54.9	55.8
5 21	29.860	47.8	46.2
5 37	......	....	46.2
6 19	29.846	46.8	45.4
7 0	29.846	46.6	44.8
7 49	......	....	44.2
8 12	29.832	45.8	44.3
4 5 21	29.578	41.2	40.6
5 37	......	....	40.3
6 20	29.600	41.2	41.0
5 14 41	29.638	49.0	49.2
6 5 21	29.600	34.4	33.2
5 37	......	....	32.9
5 51	......	....	32.8
6 19	29.586	33.2	32.3
7 14 50	29.625	40.0	39.2
19 0	29.596	43.7	42.5
19 49	......	....	41.3
20 12	29.582	40.3	39.3
8 14 43	29.474	50.9	52.0

Micrometer bisections are made at II, VI, except as noted below.

1, 18, 27.	Bisections at V, VI, VII.
8, 28.	Bisections at b_4, b_5, b_6.
9, 10, 33, 36.	Bisections at III, IV, V.
17, 26.	Bisections at I, II, III.
20.	Bisections at I, II, VI.
24.	Bisections at II, VI, VII.
25, 39.	Bisections at I, II, VI, VII.
35.	Bisections at b_7, b_8, b_9.

Notes.

10. Conditions poor.
16. Clouds.
35. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.1	+16 7.4	...	+16 14.5
17	+ 7.2	+16 9.7	...	+16 16.9
18	+ 7.2	−16 9.7	...	−16 2.5
26	+ 7.2	−16 10.2	...	−16 3.0
27	+ 7.3	+16 10.1	...	+16 17.4
39	+ 4.9	.. ....	0.0	+ 4.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 8, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	51 3.10	+ 0.14	−23.05	55 33 52.05	46.695	− 2.21	+1 23.0	14 50 40.19	+67.71	−16 44 19.9	....
2	Sun II, N.	9	53 18.52	+ 0.14	−23.05	55 1 52.08	45.907	− 2.21	+1 21.3	14 52 55.61	−67.71	−16 11 59.5	....
3	β Ophiuchi	9	39 25.32	+ 0.02	**[−23.10]**	34 13 48.92	47.340	− 3.96	+ 39.1	17 39 2.21	.....	+ 4 36 14.4	....
4	ν Ophiuchi	9	54 28.31	+ 0.03	**[−23.16]**	48 35 50.98	46.354	− 3.96	+1 5.2	17 54 5.20	.....	− 9 45 51.2	....
5	δ Ursæ Minoris	7	1 14.01	− 2.91	−23.14	312 15 51.75	44.460	− 3.96	−1 3.0	18 0 47.96	.....	+86 36 59.5	....
6	θ Serpentis	9	52 8.83	+ 0.02	**[−23.18]**	34 45 52.70	44.611	− 3.96	+ 40.1	18 51 45.68	.....	+ 4 5 12.0	....
7	ε Draconis	9	48 50.52	− 0.36	−23.19	328 49 47.18	44.338	− 3.96	− 35.0	19 48 26.97	.....	+70 2 38.2	....
8	4 B. Ursæ Minoris s. P.	7	10 1.66	+ 9.58	−23.20	307 45 51.60	47.438	− 3.96	−1 14.6	8 9 48.04	.....	+88 53 56.6	....
9	Moon I, S.	9	14 44.51	+ 0.03	−23.21	64 51 53.12	46.057	− 3.96	+2 3.6	20 14 21.33	+69.42	−26 2 44.9	....
10	ρ Capricorni	9	24 8.66	+ 0.03	**−23.22**	56 55 51.35	47.492	− 3.96	+1 29.3	20 23 45.48	.....	−18 6 41.6	....
11	θ Capricorni	9	1 18.53	+ 0.04	**−23.23**	56 25 50.20	44.288	− 3.80	+1 27.6	21 0 55.34	.....	−17 35 25.7	....
12	δ Capricorni	9	42 29.95	+ 0.04	**−23.30**	55 21 51.62	46.059	− 3.80	+1 24.4	21 42 6.75	.....	−16 32 4.4	....
13	μ Capricorni	9	48 48.86	+ 0.04	**−23.29**	52 47 50.68	47.351	− 3.80	+1 17.0	21 48 25.65	.....	−13 58 25.6	....
14	ι Aquarii	9	2 0.18	+ 0.04	**−23.32**	53 7 49.32	46.920	− 3.80	+1 17.9	22 1 36.97	.....	−14 18 15.5	....
15	η Pegasi	9	39 12.10	− 0.02	**−23.21**	9 5 48.62	45.610	− 3.80	+ 9.4	22 38 48.81	.....	+29 45 23.7	....
16	β Pegasi	9	59 49.94	− 0.02	**−23.20**	11 15 51.70	43.670	− 3.80	+ 11.7	22 59 26.64	.....	+27 36 2.7	....
17	τ Pegasi	9	16 36.38	− 0.01	**−23.27**	15 35 52.68	45.558	− 3.80	+ 16.5	23 16 13.08	.....	+23 15 13.9	....
18	υ Pegasi	9	21 18.72	− 0.01	**−23.26**	15 55 51.82	46.472	− 3.80	+ 16.8	23 20 55.42	.....	+22 54 53.4	....
19	θ Piscium	9	23 49.77	+ 0.02	**−23.25**	32 57 51.32	44.270	− 3.80	+ 38.1	23 23 26.50	.....	+ 5 53 23.0	....
	November 8, L.												
20	γ Orionis	9	20 44.56	+ 0.10	**−23.49**	32 33 52.42	46.912	− 2.86	+ 38.1	5 20 21.15	.....	+ 6 16 20.6	....
21	δ Orionis	9	27 50.76	+ 0.11	**−23.51**	39 11 54.72	46.458	− 2.86	+ 48.7	5 27 27.36	.....	− 0 21 42.1	....
22	α Leporis	9	29 11.72	+ 0.12	**−23.50**	56 41 53.35	47.865	− 2.86	+1 30.7	5 28 48.33	.....	−17 52 54.6	....
23	ζ Orionis	9	36 39.28	+ 0.11	**−23.53**	40 49 52.52	45.010	− 2.86	+ 51.6	5 36 15.87	.....	− 1 59 9.5	....
24	κ Orionis	9	43 55.44	+ 0.12	**−23.57**	48 31 54.38	46.015	− 2.86	+1 7.5	5 43 32.04	.....	− 9 41 50.2	....
25	α Orionis	9	50 44.29	+ 0.10	**−23.51**	31 27 53.70	43.550	− 2.86	+ 36.5	5 50 20.87	.....	+ 7 23 37.7	....
26	δ Ursæ Minoris s. P.	7	1 9.28	+ 2.72	−23.53	305 29 51.12	45.253	− 2.86	−1 23.2	18 0 48.47	.....	+86 36 58.8	....
27	β Canis Majoris	9	19 10.08	+ 0.13	**−23.57**	56 43 52.22	46.575	− 2.86	+1 30.8	6 18 46.67	.....	−17 54 24.1	....
28	51 H. Cephei	7	59 39.71	− 2.79	−23.56	311 39 50.50	49.044	− 2.86	−1 6.5	6 59 13.36	.....	+87 11 18.3	....
	November 9, L.												
29	Sun I, N.	9	55 4.54	+ 0.12	−23.78	55 19 51.18	44.237	− 2.41	+1 23.2	14 54 40.88	+67.88	−16 29 22.9	....
30	Sun II, S.	9	57 20.29	+ 0.12	−23.78	55 51 53.28	45.087	− 2.41	+1 24.9	14 56 56.63	−67.87	−17 1 45.4	....
31	ε Draconis	9	48 51.16	− 0.35	−23.92	328 49 51.78	44.130	− 4.31	− 34.4	19 48 26.89	.....	+70 2 38.5	....
32	4 B. Ursæ Minoris s. P.	9	10 1.33	+ 8.66	−23.93	307 45 51.85	47.410	− 4.31	−1 13.4	8 9 46.06	.....	+88 53 57.1	....
33	ρ Capricorni	9	24 9.38	− 0.01	**−23.91**	56 55 54.58	47.432	− 4.31	+1 27.9	20 23 45.44	.....	−18 6 41.7	....
34	ν Aquarii	9	5 7.47	− 0.01	**−24.01**	50 33 53.62	46.753	− 4.31	+1 9.7	21 4 43.51	.....	−11 44 6.9	....
35	Moon I, S.	9	9 46.84	− 0.01	−23.95	61 43 54.95	44.217	− 4.31	+1 46.4	21 9 22.88	+68.66	−22 53 47.2	....
36	ι Capricorni	9	17 40.29	− 0.01	**−24.00**	56 3 53.38	43.236	− 4.31	+1 25.1	21 17 16.32	.....	−17 13 1.8	....
37	β Aquarii	8	27 15.21	− 0.01	**−23.95**	44 47 54.45	46.765	− 4.31	+ 57.0	21 26 51.24	.....	− 5 57 55.5	....
38	δ Capricorni	9	42 30.71	− 0.01	**−24.02**	55 21 53.98	46.060	− 4.31	+1 23.0	21 42 6.73	.....	−16 32 4.9	....
39	μ Capricorni	9	48 49.61	− 0.01	**−24.00**	52 47 52.98	47.370	− 4.31	+1 15.6	21 48 25.63	.....	−13 58 26.2	....
40	ι Pegasi	9	3 14.94	− 0.04	**−23.90**	13 55 53.38	47.170	− 4.31	+ 14.3	22 2 50.92	.....	+24 54 38.9	....
41	η Pegasi	9	39 12.84	− 0.05	**−23.93**	9 5 53.50	45.440	− 4.31	+ 9.3	22 38 48.80	.....	+29 45 23.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 14 53	29.470	51.6	51.9
17 37	29.530	49.8	48.7
18 6	......	....	48.4
18 32	29.598	49.0	....
18 54	29.592	48.0	46.9
19 46	29.602	46.0	45.1
20 18	......	....	44.2
20 26	29.636	45.0	44.1
20 58	29.630	44.8	44.0
21 41	......	....	43.0
21 51	29.670	43.2	42.6
22 36	29.676	42.4	42.0
23 2	......	....	41.0
23 26	29.680	41.0	40.0
5 21	29.716	35.2	33.9
5 40	......	....	33.4
5 58	......	....	33.8
6 20	29.732	35.1	33.9
7 3	29.736	36.1	35.1
9 14 57	29.760	50.1	51.0
19 47	29.676	54.7	53.8
20 25	......	....	52.0
21 8	......	....	51.7
21 24	29.666	52.0	51.3
21 43	......	....	51.1
22 40	29.650	50.9	49.8

Micrometer bisections are made at II, VI, except as noted below.

1, 29.	Bisections at I, II, III.
2, 30, 34.	Bisections at V, VI, VII.
3, 4, 6, 7, 12, 13, 33, 36, 38.	Bisections at I, II, VI, VII.
5.	Bisections at b_5, b_6.
8, 26, 32.	Bisections at b_4, b_5, b_6.
9, 35.	Bisections at II, III, IV, V, VI.
14, 21.	Bisections at I, II.
15.	Bisections at II, VI, VII.
17, 39.	Bisections at VI, VII.
28.	Bisections at b_3, b_4, b_5, b_6, b_7.
31.	Bisections at II, III, V, VI.

Notes.

5, 28, 32, 35.	Very faint.
28.	Micrometer reading increased 5 rev.
32, 34, 35, 37, 38.	Clouds.
36, 39.	Very faint; clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.3	+16 10.2	...	+16 17.5
2	+ 7.3	−16 10.2	...	−16 2.9
9	+50 9.0	+15 9.1	...	+65 18.1
29	+ 7.3	−16 11.2	...	−16 3.9
30	+ 7.3	+16 11.3	...	+16 18.6
35	+49 26.0	+15 21.3	...	+64 47.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 11, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	3 10.16	− 0.03	−25.03	55 53 52.08	44.172	− 2.98	+1 24.5	15 2 45.10	+68.06	−17 3 23.0	....
2	Sun II, S	9	5 26.27	− 0.03	−25.03	56 25 50.10	45.242	− 2.98	+1 26.3	15 5 1.21	−68.05	−17 35 46.6	....
3	γ Capricorni	9	35 33.76	− 0.02	**−25.24**	55 53 52.32	45.938	− 3.94	+1 26.8	21 35 8.53	.....	−17 4 4.6	....
4	δ Capricorni	9	42 31.88	− 0.02	**−25.21**	55 21 49.25	46.135	− 3.92	+1 25.1	21 42 6.65	.....	−16 32 4.4	....
5	μ Capricorni	9	48 50.87	− 0.01	**−25.29**	52 47 51.90	47.302	− 3.91	+1 17.5	21 48 25.64	.....	−13 58 26.1	....
6	ι Aquarii	9	2 2.12	− 0.01	**−25.25**	53 7 51.32	46.832	− 3.89	+1 18.5	22 1 36.89	.....	−14 18 16.0	....
7	ι Pegasi	9	3 16.16	− 0.02	**−25.17**	13 55 50.12	47.272	− 3.89	+ 14.7	22 2 50.92	.....	+24 54 39.0	....
8	σ Aquarii	9	26 20.67	− 0.01	**−25.23**	49 57 53.08	46.845	− 3.84	+1 10.2	22 25 55.43	.....	−11 8 9.6	....
9	η Pegasi	9	39 14.03	− 0.02	**−25.18**	9 5 49.15	45.602	− 3.82	+ 9.5	22 38 48.77	.....	+29 45 23.3	....
10	Moon I, S	9	56 10.45	0.00	−25.25	51 55 50.42	45.149	− 3.79	+1 15.3	22 55 45.20	+67.23	−13 5 33.4	....
11	τ Pegasi	9	16 38.33	− 0.01	**−25.25**	15 35 50.00	45.645	− 3.75	+ 16.5	23 16 13.06	.....	+23 15 14.4	....
12	θ Piscium	9	23 51.76	0.00	**−25.24**	32 57 49.95	44.340	− 3.74	+ 38.3	23 23 26.50	.....	+ 5 53 22.5	....
13	α Trianguli	9	48 25.23	+ 0.01	**−25.20**	9 41 48.40	47.120	− 3.15	+ 10.2	1 47 59.92	.....	+29 8 47.9	....
14	Saturn I, C	7	3 0.19	+ 0.03	−25.33	29 17 50.92	47.170	− 3.08	+ 33.3	2 2 34.89	+ 0.73	+ 9 33 56.4	....
15	Saturn II	7	3 1.66	+ 0.03	−25.33	... .	......	....	. ....	2 2 36.36	− 0.74	.. ..	....
16	ξ² Ceti	9	23 50.72	+ 0.04	**−25.34**	30 47 50.22	43.485	− 2.97	+ 35.4	2 23 25.42	.....	+ 8 3 43.9	....
17	δ Ceti	9	35 20.51	+ 0.04	**−25.36**	38 53 47.85	45.627	− 2.92	+ 47.9	2 34 55.21	.....	− 0 3 15.1	....
18	μ Ceti	9	40 32.92	+ 0.04	**−25.32**	29 5 47.12	47.280	− 2.89	+ 33.1	2 40 7.61	.....	+ 9 44 22.7	....
19	σ Arietis	9	46 59.79	+ 0.04	**−25.36**	24 7 49.68	45.805	− 2.86	+ 26.6	2 46 34.48	.....	+14 43 0.1	....
20	ε Arietis (*mean*)	9	54 32.33	+ 0.04	**−25.32**	17 51 49.10	45.740	− 2.82	+ 19.2	2 54 7.02	.....	+20 59 9.5	....
	November 11, L.												
21	γ Orionis	9	20 46.65	+ 0.08	**−25.49**	32 33 51.38	46.945	− 2.37	+ 38.0	5 20 21.26	.....	+ 6 16 20.5	....
22	δ Orionis	9	27 52.91	+ 0.09	**−25.57**	39 11 54.25	46.475	− 2.37	+ 48.5	5 27 27.52	.....	− 0 21 42.1	....
23	α Leporis	9	29 13.82	+ 0.09	**−25.51**	56 41 51.92	47.935	− 2.37	+1 30.3	5 28 48.43	.....	−17 52 54.7	....
24	ζ Orionis	8	36 41.33	+ 0.09	**−25.48**	40 49 52.52	44.992	− 2.37	+ 51.3	5 36 15.94	.....	− 1 59 9.3	....
25	κ Orionis	9	43 57.49	+ 0.09	**−25.52**	48 31 53.82	46.008	− 2.37	+1 7.1	5 43 32.10	.....	− 9 41 49.6	....
26	α Orionis	9	50 46.35	+ 0.08	**−25.48**	31 27 53.20	43.575	− 2.37	+ 36.3	5 50 20.94	.....	+ 7 23 37.4	....
27	δ Ursæ Minoris s. p.	9	1 12.17	+ 2.52	−25.49	305 29 50.02	45.222	− 2.37	−1 22.6	18 0 49.20	.....	+86 36 58.1	....
28	β Canis Majoris	9	19 12.13	+ 0.09	**−25.50**	56 43 52.58	46.605	− 2.37	+1 30.2	6 18 46.72	.....	−17 54 25.1	....
29	α Canis Majoris	9	41 38.69	+ 0.09	−25.51	55 25 52.25	43.915	− 2.37	+1 25.8	6 41 13.27	.....	−16 35 18.9	....
30	γ Canis Majoris	9	0 9.03	+ 0.09	**−25.52**	54 19 51.68	45.268	− 2.37	+1 22.5	6 59 43.60	.....	−15 29 45.9	....
31	ε Draconis s. p.	9	48 51.74	+ 0.60	−25.54	288 55 51.08	48.184	− 2.37	−2 50.5	19 48 26.80	.....	+70 2 38.7	....
32	4 B. Ursæ Minoris	4	10 22.05	− 6.93	−25.55	309 57 52.88	47.480	− 2.37	−1 10.2	8 9 49.57	.....	+88 53 54.8	....
	November 12, L.												
33	Sun I, S	9	7 14.04	+ 0.18	−25.73	56 41 49.95	46.545	− 1.61	+1 28.4	15 6 48.49	+68.22	−17 52 20.4	....
34	Sun II, N	9	9 30.48	+ 0.18	−25.73	56 9 48.58	45.570	− 1.61	+1 26.6	15 9 4.93	−68.22	−17 19 54.2	....
	November 14, M.												
35	Sun I, N	7	15 24.35	+ 0.10	−26.88	56 41 51.90	45.888	− 2.57	+1 27.8	15 14 57.57	+68.39	−17 52 5.7	....
36	Sun II, S	9	17 41.14	+ 0.10	−26.88	57 13 49.40	46.918	− 2.57	+1 29.6	15 17 14.36	−68.40	−18 24 27.9	....
	November 14, P.												
37	γ Orionis	9	20 48.57	+ 0.04	**−27.30**	32 33 48.70	47.120	− 2.35	+ 37.4	5 20 21.32	.....	+ 6 16 19.7	....
38	δ Orionis	9	27 54.80	+ 0.05	**−27.35**	39 11 52.50	46.610	− 2.35	+ 47.8	5 27 27.55	.....	− 0 21 42.8	....
39	ζ Orionis	9	36 43.24	+ 0.05	**−27.28**	40 49 50.65	45.142	− 2.35	+ 50.7	5 36 15.99	.....	− 1 59 10.3	....
40	κ Orionis	9	43 59.37	+ 0.06	**−27.30**	48 31 50.05	46.265	− 2.35	+1 6.3	5 43 32.13	.....	− 9 41 50.9	....
41	α Orionis	9	50 48.26	+ 0.04	**−27.27**	31 27 50.22	43.762	− 2.35	+ 35.9	5 50 20.99	.....	+ 7 23 36.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 15 5	29.422	49.2	47.8
21 33	29.508	39.5	37.0
21 52	......	....	36.5
22 25	......	....	36.0
23 0	29.512	37.4	35.2
23 25	29.518	36.5	34.8
1 45	29.506	34.1	33.0
2 6	......	....	33.0
2 34	......	....	32.6
2 56	29.484	33.8	32.0
5 22	29.468	33.0	32.0
5 37	......	....	32.0
6 1	......	....	32.7
6 20	29.456	33.4	32.7
6 42	......	....	33.0
7 1	......	....	32.7
7 50	......	....	31.6
8 11	29.450	33.0	33.3
12 15 10	29.470	43.0	42.1
14 15 18	29.472	46.0	45.2
5 18	29.414	38.0	37.7
5 40	......	....	37.2
5 52	......	....	37.3
6 20	29.430	38.0	....

Micrometer bisections are made at II, VI, except as noted below.

1, 33, 35. Bisections at I, II, III.

2, 34, 36. Bisections at V, VI, VII.

6. Bisections at I, II.

10. Bisections at II, III, IV, V, VI.

13. Bisections at I, II, VI.

14. Z. D. threads C used.

14, 30. Bisections at I, II, VI, VII.

17. Bisections at II, VI, VII.

18, 23. Bisections at VI, VII.

27. Bisections at b_4, b_5, b_6.

31. Bisections at II, III, V, VI.

32. Bisections at b_4, b_5.

Notes.

10. Micrometer reading increased 1 rev.

28, 32. Clouds.

31. Very unsteady; diffuse.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ′
1	+ 7.3	−16 11.7	...	−16 4.4
2	+ 7.4	+16 11.8	...	+16 19.2
10	+45 37.2	+15 51.6	...	+61 28.8
14	+ 0.5	.. ....	...	+ 0.5
33	+ 7.4	+16 13.1	...	+16 20.5
34	+ 7.4	−16 13.1	...	−16 5.7
35	+ 7.4	−16 11.1	...	−16 3.7
36	+ 7.5	+16 11.0	...	+16 18.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 15, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun S.	.	.. ..	....	.....	57 29 50.15	45.697	− 2.03	+1 31.2	15 20	.....	−18 40 3.6	....
2	Sun N.	.	.. ..	....	.....	56 57 50.20	44.873	− 2.03	+1 29.3	.. ..	.....	−18 7 42.2	....
	November 16, M.												
3	Moon I, S.	9	36 18.02	+ 0.06	−28.46	19 21 53.88	44.050	− 2.31	+ 20.8	3 35 49.62	+74.51	+19 29 44.8	....
4	Moon II, N.	9	38 47.12	+ 0.06	−28.46	18 47 55.12	43.363	− 2.31	+ 20.2	3 38 18.72	−74.59	+20 3 52.7	....
5	*A* Tauri	9	59 54.22	+ 0.06	−28.46	16 59 50.00	47.628	− 2.44	+ 18.2	3 59 25.81	.....	+21 50 26.1	....
6	o^1 Eridani	9	7 59.78	+ 0.09	−28.46	45 53 50.62	47.020	− 2.44	+1 1.1	4 7 31.40	.....	− 7 4 3.5	....
7	o^2 Eridani	9	11 39.16	+ 0.10	−28.51	46 37 51.85	45.065	− 2.44	+1 2.6	4 11 10.79	.....	− 7 47 21.5	....
8	γ Tauri	9	15 11.95	+ 0.07	−28.44	23 25 52.08	46.058	− 2.44	+ 25.7	4 14 43.55	.....	+15 24 52.2	....
9	δ Tauri	9	18 16.39	+ 0.07	−28.48	21 31 50.70	42.912	− 2.44	+ 23.4	4 17 47.98	.....	+17 20 8.0	....
10	ε Tauri	9	23 53.39	+ 0.07	−28.43	19 51 48.90	45.820	− 2.44	+ 21.4	4 23 24.98	.....	+18 59 5.3	....
11	ν Eridani	9	32 20.79	+ 0.09	−28.50	42 21 50.62	46.912	− 2.44	+ 54.0	4 31 52.40	.....	− 3 31 54.1	....
12	53 Eridani	9	34 34.93	+ 0.10	−28.56	53 17 50.00	47.437	− 2.44	+1 19.3	4 34 6.55	.....	−14 28 30.5	....
13	π^3 Orionis	7	45 28.90	+ 0.08	−28.53	32 1 47.95	46.705	− 2.44	+ 37.0	4 45 0.49	.....	+ 6 48 30.5	....
14	π^5 Orionis	9	50 5.24	+ 0.09	−28.41	36 31 51.10	48.035	− 2.44	+ 43.9	4 49 36.84	.....	+ 2 17 50.0	....
15	11 Orionis	9	59 57.31	+ 0.07	−28.52	23 33 49.30	46.005	− 2.44	+ 25.8	4 59 28.89	.....	+15 16 56.3	....
16	α Leporis	8	29 16.89	+ 0.10	−28.48	56 41 51.08	48.110	− 2.44	+1 30.1	5 28 48.48	.....	−17 52 57.6	....
	November 17, M.												
17	Sun I, S.	9	27 46.41	+ 0.13	−28.78	57 59 48.95	46.310	− 1.94	+1 33.8	15 27 17.76	+68.72	−19 10 19.1	....
18	Sun II, N.	9	30 3.86	+ 0.13	−28.78	57 27 53.98	45.250	− 1.94	+1 31.9	15 29 35.21	−68.73	−18 37 57.3	....
19	ι Pegasi	9	3 19.74	+ 0.06	−28.93	13 55 49.60	47.300	− 2.83	+ 14.7	22 2 50.84	.....	+24 54 37.9	....
20	η Pegasi	9	39 17.64	+ 0.05	−28.96	9 5 50.15	45.550	− 2.78	+ 9.5	22 38 48.72	.....	+29 45 22.4	....
21	β Pegasi	9	59 55.53	+ 0.06	−28.98	11 15 50.62	43.670	− 2.73	+ 11.8	22 59 26.61	.....	+27 36 2.6	....
22	τ Pegasi	9	16 41.92	+ 0.07	−28.99	15 35 49.48	45.685	− 2.69	+ 16.6	23 16 13.00	.....	+23 15 12.9	....
23	θ Piscium	9	23 55.39	+ 0.10	−29.03	32 57 50.82	44.280	− 2.67	+ 38.4	23 23 26.50	.....	+ 5 53 21.7	....
24	39 H. Cephei	9	28 21.56	− 2.76	−29.00	312 3 50.70	44.018	− 2.67	−1 5.3	23 27 49.80	.....	+86 49 11.6	....
25	γ Pegasi	9	9 7.61	+ 0.10	−29.17	24 9 50.08	44.902	− 2.57	+ 26.6	0 8 38.70	.....	+14 41 20.0	....
26	β Arietis	9	50 12.03	+ 0.11	−29.13	18 27 49.72	47.550	− 2.38	+ 19.9	1 49 43.08	.....	+20 22 26.2	....
27	Saturn I, C.	5	1 23.81	+ 0.12	−29.06	29 25 49.55	47.639	− 2.38	+ 33.5	2 0 54.87	+ 0.68	+ 9 25 46.2	....
28	Saturn II	5	1 25.17	+ 0.12	−29.06	... .	......	....	. ....	2 0 56.23	− 0.68	.. ..	....
29	ξ^1 Ceti	9	8 45.78	+ 0.12	−29.14	30 25 50.08	43.338	− 2.38	+ 34.9	2 8 16.83	.....	+ 8 25 47.1	....
	November 17, P.												
30	53 Eridani	9	34 35.65	+ 0.12	−29.29	53 17 48.28	47.472	− 2.32	+1 19.9	4 34 6.59	.....	−14 28 30.3	....
31	Moon II, N.	9	45 12.54	+ 0.06	−29.18	14 23 50.52	48.242	− 2.38	+ 15.4	4 44 43.42	−76.90	+24 26 14.3	....
32	π^5 Orionis	9	50 6.03	+ 0.10	−29.19	36 31 48.75	48.052	− 2.41	+ 44.2	4 49 36.94	.....	+ 2 17 51.7	....
33	ι Tauri	9	58 15.46	+ 0.07	−29.12	17 23 48.08	43.802	− 2.45	+ 18.7	4 57 46.34	.....	+21 27 54.7	....
34	11 Orionis	9	59 57.93	+ 0.08	−29.13	23 33 49.35	45.955	− 2.46	+ 26.0	4 59 28.82	.....	+15 16 57.2	....
35	γ Orionis	9	20 50.44	+ 0.10	−29.17	32 33 49.38	47.022	− 2.57	+ 38.2	5 20 21.34	.....	+ 6 16 20.7	....
36	δ Orionis	9	27 56.65	+ 0.11	−29.20	39 11 50.00	46.662	− 2.61	+ 48.7	5 27 27.56	.....	− 0 21 42.1	....
37	ζ Tauri	9	32 48.47	+ 0.07	−29.17	17 45 49.72	44.958	− 2.63	+ 19.2	5 32 19.34	.....	+21 5 26.6	....
38	ζ Orionis	9	36 45.09	+ 0.11	−29.13	40 49 49.70	45.142	− 2.65	+ 51.6	5 36 15.99	.....	− 1 59 9.9	....
39	κ Orionis	9	44 1.27	+ 0.12	−29.20	48 31 50.88	46.180	− 2.69	+1 7.5	5 43 32.18	.....	− 9 41 50.6	....
40	α Orionis	9	50 50.20	+ 0.10	−29.20	31 27 49.78	43.825	− 2.73	+ 36.5	5 50 21.09	.....	+ 7 23 35.2	....
41	1 Geminorum	9	59 11.47	+ 0.06	−29.14	15 33 49.52	48.248	− 2.77	+ 16.7	5 58 42.31	.....	+23 16 14.2	....
42	ν Geminorum	9	24 9.58	+ 0.07	−29.20	18 33 48.80	48.098	− 2.91	+ 20.1	6 23 40.42	.....	+20 16 15.1	....
43	α Canis Majoris	9	41 42.56	+ 0.12	−29.24	55 25 50.12	44.110	− 3.00	+1 26.5	6 41 13.44	.....	−16 35 21.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 15 21	29.580	43.8	43.5
16 3 35	29.696	38.2	37.3
4 0	29.694	38.2	37.3
4 18	......	....	37.2
4 45	......	....	37.2
5 0	29.682	37.7	37.1
5 41	29.680	37.5	36.9
17 15 30	29.710	41.5	41.0
22 3	29.666	38.2	36.9
22 39	......	....	36.7
23 0	......	....	36.7
23 17	......	....	36.2
23 28	29.688	37.4	36.7
0 9	......	....	35.9
1 50	......	....	35.6
2 9	29.700	36.6	35.4
4 29	29.694	35.5	34.2
4 48	......	....	34.0
5 13	......	....	33.0
5 40	29.692	33.9	33.1
5 57	......	....	33.0
6 20	......	....	33.0
6 43	29.690	34.0	33.0

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 17. Bisections at I, II, III.
2, 4, 18. Bisections at V, VI, VII.
6. Bisections at I, II, VI.
8, 11, 23, 26, 29, 33. Bisections at I, II.
10, 12, 13, 30, 39. Bisections at II, VI, VII.
15, 27. Bisections at I, II, VI, VII.
16. Bisections at VI, VII.
24. Bisections at b_4, b_5, b_6.
27. Z. D. threads C used.
31. Bisections at II, III, IV, V, VI.

Notes.

8, 11–16, 20, 26, 30, 40, 41, 43. Clouds.
12–16. Conditions poor.
24. Unsteady; clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.5	+16 10.7	...	+16 18.2
2	+ 7.4	−16 10.6	...	−16 3.2
3	+20 13.4	+16 46.8	− 0.3	+36 59.9
4	+19 38.8	−16 46.8	...	+ 2 52.0
17	+ 7.5	+16 10.9	...	+16 18.4
18	+ 7.5	−16 10.9	...	−16 3.4
27	+ 0.5	.. ....	...	+ 0.5
31	+15 6.0	−16 42.9	...	− 1 36.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	4 B. Ursæ Minoris	8	10 34.52	− 9.87	−29.27	309 57 50.98	47.597	− 3.13	−1 11.2	8 9 55.38	.....	+88 53 55.8	....
	November 18, P.												
2	Sun I, N	9	31 55.37	+ 0.21	−29.46	57 41 52.32	46.850	− 3.23	+1 32.7	15 31 26.12	+68.90	−18 52 32.4	....
3	Sun II, S	9	34 13.16	+ 0.21	−29.46	58 13 49.28	48.057	− 3.23	+1 34.6	15 33 43.91	−68.89	−19 24 58.2	....
4	Mercury C, C	9	46 57.54	+ 0.22	−29.47	59 29 50.55	46.920	− 3.23	+1 39.3	15 46 28.29	0.00	−20 40 38.7	....
5	κ Cephei	9	12 21.92	− 0.62	.....	321 25 52.68	44.098	− 1.90	− 46.3	20 11	.....	+77 26 47.0	....
	November 19, L.												
6	Sun I, N	9	36 5.34	+ 0.18	−30.16	57 55 53.42	47.390	− 1.63	+1 34.3	15 35 35.36	+68.94	−19 6 49.0	....
7	Sun II, S	9	38 23.22	+ 0.18	−30.16	58 27 50.98	48.505	− 1.63	+1 36.2	15 37 53.24	−68.94	−19 39 13.3	....
8	ν Aquarii	9	5 13.59	+ 0.16	**−30.44**	50 34	......	....	.....	21 4 43.45	.....	−11 44	....
9	β Aquarii	9	27 21.36	+ 0.15	**−30.39**	44 48	......	....	.....	21 26 51.20	.....	− 5 57	....
10	ξ Aquarii	9	33 29.81	+ 0.15	**−30.38**	47 6	......	....	.....	21 32 59.64	.....	− 8 15	....
11	γ Capricorni	7	35 38.66	+ 0.16	**−30.42**	55 54	......	....	.....	21 35 8.50	.....	−17 4	....
12	ε Pegasi	9	40 17.82	+ 0.13	**−30.36**	29 24	......	....	.....	21 39 47.63	.....	+ 9 27	....
13	δ Capricorni	6	42 36.79	+ 0.16	**−30.40**	55 22	......	....	.....	21 42 6.63	.....	−16 32	....
14	ι Aquarii	9	2 7.03	+ 0.16	**−30.43**	53 8	......	....	.....	22 1 36.86	.....	−14 18	....
15	θ Pegasi	9	6 11.69	+ 0.13	**−30.32**	33 6	......	....	.....	22 5 41.49	.....	+ 5 45	....
	November 19, P.												
16	α Trianguli	9	48 30.35	+ 0.04	**−30.35**	9 42	......	....	.....	1 48 0.02	.....	+29 8	....
17	ξ Piscium	9	49 26.97	+ 0.11	**−30.37**	36 6	......	....	.....	1 48 56.71	.....	+ 2 44	....
18	Saturn I	7	0 53.19	+ 0.09	−30.38	29 28	......	....	.....	2 0 22.90	+ 0.73	.. ..	....
19	Saturn II	7	0 54.65	+ 0.09	−30.38	... .	......	....	.....	2 0 24.36	− 0.73	.. ..	....
20	δ Ceti	9	35 25.53	+ 0.12	**−30.42**	38 54	......	....	.....	2 34 55.26	.....	− 0 3	....
21	μ Ceti	9	40 38.01	+ 0.10	**−30.42**	29 6	......	....	.....	2 40 7.72	.....	+ 9 44	....
22	ε Arietis (*mean*)	9	54 37.43	+ 0.07	**−30.38**	17 52	......	....	.....	2 54 7.10	.....	+20 59	....
23	δ Arietis	9	7 2.51	+ 0.08	**−30.41**	19 28	......	....	.....	3 6 32.18	.....	+19 23	....
24	ζ Arietis	9	10 17.24	+ 0.08	**−30.39**	18 8	......	....	.....	3 9 46.91	.....	+20 43	....
25	ο Tauri	9	20 31.70	+ 0.11	**−30.46**	30 8	......	....	.....	3 20 1.40	.....	+ 8 43	....
26	ξ Tauri	9	22 51.00	+ 0.10	**−30.42**	29 26	......	....	.....	3 22 20.69	.....	+ 9 25	....
27	η Tauri	9	42 41.76	+ 0.07	**−30.38**	15 2	......	....	.....	3 42 11.41	.....	+23 49	....
28	λ Tauri	9	56 15.21	+ 0.10	**−30.39**	26 36	......	....	.....	3 55 44.88	.....	+12 14	....
29	A Tauri	9	59 56.13	+ 0.08	**−30.35**	17 0	......	....	.....	3 59 25.78	.....	+21 50	....
30	δ Tauri	9	18 18.29	+ 0.09	**−30.36**	21 30	......	....	.....	4 17 47.94	.....	+17 20	....
31	γ Orionis	9	20 51.71	+ 0.13	**−30.42**	32 33 46.62	47.220	− 3.26	+ 38.7	5 20 21.37	.....	+ 6 16 19.1	....
32	δ Orionis	9	27 57.88	+ 0.14	**−30.42**	39 11 52.15	46.610	− 3.24	+ 49.4	5 27 27.55	.....	− 0 21 43.1	....
33	ζ Orionis	9	36 46.42	+ 0.15	**−30.45**	40 49 51.92	45.052	− 3.22	+ 52.4	5 36 16.10	.....	− 1 59 10.3	....
34	κ Orionis	9	44 2.54	+ 0.16	**−30.46**	48 31 52.12	46.122	− 3.18	+1 8.6	5 43 32.22	.....	− 9 41 51.2	....
35	α Orionis	9	50 51.42	+ 0.13	**−30.41**	31 27 51.28	43.680	− 3.18	+ 37.1	5 50 21.07	.....	+ 7 23 36.9	....
36	8 Monocerotis	9	19 33.29	+ 0.15	**−30.44**	34 11 51.50	46.460	− 3.10	+ 41.3	6 19 2.95	.....	+ 4 38 28.9	....
37	Moon N	.	.. ..	....	.....	11 43 47.88	47.778	− 3.00	+ 12.7	.. ..	.....	+27 6 30.0	....
38	Moon II, S	9	3 13.56	+ 0.10	−30.51	12 17 52.12	45.468	− 2.99	+ 13.3	7 2 43.15	−76.83	+26 33 19.5	....
39	δ Geminorum	9	15 18.49	+ 0.12	**−30.44**	16 41 49.20	46.390	− 2.96	+ 18.3	7 14 48.09	.....	+22 8 55.6	....
40	ι Geminorum	9	20 41.96	+ 0.10	**−30.43**	10 51 48.80	47.495	− 2.94	+ 11.7	7 20 11.54	.....	+27 58 37.3	....
	November 20, L.												
41	θ Ceti	9	20 5.25	+ 0.26	**−31.11**	47 29 54.10	42.842	− 2.75	+1 5.8	1 19 34.43	.....	− 8 38 35.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 8 11	29.690	31.6	30.4
18 15 34	29.700	41.8	41.3
15 47	29.702	42.0	42.0
20 12	29.670	44.0	44.0
19 15 38	29.886	41.0	40.6
5 18	29.908	31.0	30.0
5 40	......	....	29.1
5 54	......	....	29.2
6 21	29.910	30.2	29.0
7 4	[illegible]	29.8	28.0
7 22	29.922	29.1	28.0
20 1 21	29.922	32.8	31.7

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at b_4, b_5, b_6.
2, 6, 37. Bisections at I, II, III.
3, 7, 38. Bisections at V, VI, VII.
4. Bisections at I, II, VI.
5. Bisections at I, II, VI, VII.
41. Bisections at II, VI, VII.

Notes.

8, 9, 11. Clouds.
14. Diffuse and faint.
15. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 7.5	−16 12.9	...	−16 5.4
3	+ 7.6	+16 12.8	...	+16 20.4
4	+ 5.2	.. ....	0.0	+ 5.2
6	+ 7.5	−16 12.1	...	−16 4.6
7	+ 7.6	+16 12.1	...	+16 19.7
37	+12 2.7	−16 18.5	+0.4	− 4 15.4
38	+12 36.6	+16 18.5	...	+28 55.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Piscium	9	27 13.82	+ 0.21	**−31.17**	23 57 54.08	44.895	− 2.75	+ 26.9	1 26 42.95	.....	+14 53 16.1	....
2	π Piscium	9	32 53.43	+ 0.22	**−31.17**	27 9 52.75	44.865	− 2.75	+ 31.0	1 32 22.57	.....	+11 41 14.0	....
3	α Trianguli	9	48 30.98	+ 0.17	**−31.11**	9 41 53.90	46.822	− 2.75	+ 10.4	1 48 0.06	.....	+29 8 48.7	....
4	β Arietis	9	50 13.97	+ 0.20	**−31.16**	18 27 53.08	47.362	− 2.75	+ 20.2	1 49 43.08	.....	+20 22 27.4	....
5	Saturn I, C	5	0 38.21	+ 0.23	−31.10	29 29 52.32	46.906	− 2.75	+ 34.2	2 0 7.34	+ 0.70	+ 9 21 59.8	....
6	Saturn II	5	0 39.61	+ 0.23	−31.10	... .	......	....	.....	2 0 8.74	− 0.70	.. ..	....
7	ξ¹ Ceti	9	8 47.65	+ 0.23	**−31.12**	30 25 52.78	43.135	− 2.75	+ 35.5	2 8 16.78	.....	+ 8 25 49.0	....
8	ξ² Ceti	9	23 56.34	+ 0.23	**−31.11**	30 47 53.48	43.285	− 2.75	+ 36.0	2 23 25.46	.....	+ 8 3 44.4	....
	November 20, M.												
9	γ Orionis	9	20 52.25	+ 0.22	**−31.03**	32 33 49.40	47.105	− 2.76	+ 38.8	5 20 21.39	.....	+ 6 16 18.4	....
10	δ Orionis	9	27 58.44	+ 0.23	**−31.05**	39 11 50.85	46.700	− 2.76	+ 49.6	5 27 27.59	.....	− 0 21 44.6	....
11	ζ Orionis	9	36 46.92	+ 0.24	**−31.02**	40 49 50.05	45.158	− 2.76	+ 52.5	5 36 16.07	.....	− 1 59 11.4	....
12	κ Orionis	9	44 3.14	+ 0.25	**−31.13**	48 31 50.40	46.238	− 2.76	+1 8.7	5 43 32.30	.....	− 9 41 52.6	....
13	α Orionis	9	50 52.06	+ 0.22	**−31.11**	31 27 51.02	43.728	− 2.76	+ 37.2	5 50 21.19	.....	+ 7 23 35.5	....
14	β Canis Majoris	9	19 17.83	+ 0.27	**−31.16**	56 43 47.50	46.862	− 2.76	+1 32.5	6 18 46.99	.....	−17 54 27.8	....
15	γ Canis Majoris	9	0 14.72	+ 0.26	**−31.13**	54 19 49.02	45.462	− 2.76	+1 24.5	6 59 43.86	.....	−15 29 49.2	....
16	δ Geminorum	9	15 19.09	+ 0.18	**−31.07**	16 41 47.98	46.482	− 2.76	+ 18.3	7 14 48.14	.....	+22 8 54.5	....
17	Moon II, S	9	8 57.02	+ 0.17	−31.15	14 1 49.02	48.552	− 2.76	+ 15.3	8 8 26.04	−74.28	+24 48 9.2	....
18	4 B. Ursæ Minoris	6	10 43.58	−10.71	−31.16	309 57 51.05	47.550	− 2.76	−1 12.3	8 10 1.71	.....	+88 53 57.1	....
19	η Cancri	9	28 4.09	+ 0.18	**−31.09**	18 5 50.08	46.785	− 2.76	+ 20.0	8 27 33.11	.....	+20 44 43.8	....
20	δ Cancri	9	40 8.01	+ 0.19	**−31.16**	20 21 50.25	45.900	− 2.76	+ 22.7	8 39 37.03	.....	+18 29 1.1	....
21	ι Cancri	9	41 49.11	+ 0.15	**−31.09**	9 45 48.70	45.998	− 2.76	+ 10.5	8 41 18.09	.....	+29 5 12.6	....
22	ζ Hydræ	9	51 11.62	+ 0.22	**−31.15**	32 33 49.05	44.552	− 2.76	+ 38.9	8 50 40.67	.....	+ 6 17 17.0	....
23	α Cancri	9	54 7.39	+ 0.20	**−31.11**	26 37 49.80	47.450	− 2.76	+ 30.6	8 53 36.42	.....	+12 12 18.3	....
	November 21, M.												
24	Sun I, N	8	44 27.26	+ 0.32	−31.35	58 23 47.28	46.297	− 2.02	+1 35.4	15 43 56.23	+69.19	−19 34 18.6	....
25	Sun II, S	9	46 45.65	+ 0.32	−31.35	58 55 47.52	47.323	− 2.02	+1 37.4	15 46 14.62	−69.20	−20 6 43.7	....
26	Mercury C, C	9	6 29.57	+ 0.32	−31.36	60 45 51.82	46.071	− 2.02	+1 44.5	16 5 58.53	0.00	−21 56 26.7	....
	November 21, P.												
27	γ Orionis	9	20 53.00	+ 0.16	**−31.70**	32 33 51.10	47.000	− 2.14	+ 37.8	5 20 21.41	.....	+ 6 16 19.5	....
28	δ Orionis	9	27 59.22	+ 0.17	**−31.75**	39 11 51.88	46.622	− 2.14	+ 48.3	5 27 27.63	.....	− 0 21 43.2	....
29	α Leporis	9	29 20.17	+ 0.20	**−31.76**	56 41 50.48	48.127	− 2.14	+1 30.1	5 28 48.61	.....	−17 52 57.8	....
30	ζ Orionis	9	36 47.74	+ 0.17	**−31.75**	40 49 49.55	45.202	− 2.14	+ 51.2	5 36 16.15	.....	− 1 59 11.2	....
31	κ Orionis	9	44 3.88	+ 0.19	**−31.79**	48 31 52.55	46.175	− 2.14	+1 7.0	5 43 32.31	.....	− 9 41 52.3	....
32	α Orionis	9	50 52.79	+ 0.16	**−31.76**	31 27 52.08	43.662	− 2.14	+ 36.2	5 50 21.18	.....	+ 7 23 36.4	....
33	β Canis Majoris	9	19 18.61	+ 0.20	**−31.84**	56 43 49.20	46.827	− 2.14	+1 29.8	6 18 47.03	.....	−17 54 26.5	....
34	γ Canis Majoris	9	0 15.47	+ 0.19	**−31.78**	54 19 48.12	45.582	− 2.14	+1 21.8	6 59 43.86	.....	−15 29 49.1	....
	November 22, L.												
35	γ Orionis	9	20 53.80	+ 0.18	**−32.50**	32 33 51.32	46.918	− 1.62	+ 38.4	5 20 21.49	.....	+ 6 16 20.0	....
36	δ Orionis	9	27 59.99	+ 0.19	**−32.52**	39 11 54.75	46.430	− 1.62	+ 49.0	5 27 27.69	.....	− 0 21 42.9	....
37	α Leporis	9	29 20.88	+ 0.21	**−32.46**	56 41 52.80	47.918	− 1.62	+1 31.3	5 28 48.59	.....	−17 52 57.0	....
38	ζ Orionis	9	36 48.47	+ 0.19	**−32.48**	40 49 54.65	45.012	− 5.71	+ 51.9	5 36 16.16	.....	− 1 59 9.1	....
39	κ Orionis	9	44 4.60	+ 0.21	**−32.51**	48 31 53.65	46.050	− 1.62	+1 7.9	5 43 32.31	.....	− 9 41 51.9	....
40	α Orionis	9	50 53.53	+ 0.18	**−32.50**	31 27 53.38	43.535	− 1.62	+ 36.8	5 50 21.21	.....	+ 7 23 36.8	....
41	β Canis Majoris	9	19 19.28	+ 0.23	**−32.52**	56 43 52.32	46.618	− 1.62	+1 31.4	6 18 46.99	.....	−17 54 27.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 1 31	......	....	31.4
1 59	......	....	31.3
2 10	......	....	31.0
2 25	29.916	32.0	30.6
5 21	29.888	29.4	27.9
5 51	......	....	27.8
6 19	......	....	27.8
7 0	29.886	28.8	27.8
7 15	......	....	27.5
8 9	29.870	28.2	26.6
8 40	......	....	26.4
8 54	29.870	27.6	26.3
21 15 47	29.780	40.7	41.8
16 6	29.770	41.1	43.1
5 18	29.638	38.0	36.0
5 40	......	....	35.8
5 54	......	....	36.8
6 21	29.634	38.0	38.0
7 2	29.636	38.2	39.5
22 5 21	29.800	33.0	32.1
5 37	......	....	32.1
5 54	......	..	32.0
6 20	29.818	32.9	32.1

Micrometer bisections are made at II, VI, except as noted below.

5.	Z. D. threads C used.
5, 26.	Bisections at I, II, VI, VII.
15, 29, 30, 32, 33.	Bisections at II, VI, VII.
17.	Bisections at II, III, IV, V, VI.
18.	Bisections at b_6, b_7, b_8.
24.	Bisections at I, II, III.
25.	Bisections at V, VI, VII.
37.	Bisections at VI, VII.
41.	Bisections at I, II, VI.

Notes.

30–32, 38.	Clouds.
34.	Micrometer reading decreased 1 rev.
37.	Faint; clouds.
38.	Two microscopes used.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 0.5	.. ....	...	+ 0.5
17	+14 9.7	+16 4.8	...	+30 14.5
24	+ 7.6	−16 12.6	...	−16 5.0
25	+ 7.6	+16 12.5	...	+16 20.1
26	+ 5.4	.. ....	0.0	+ 5.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Canis Majoris........	9	0 16.21	+ 0.23	**−32.54**	54 19 51.68	45.285	− 1.62	+1 23.6	6 59 43.90	.....	−15 29 48.2	....
2	δ Cancri................	9	40 9.52	+ 0.18	**−32.59**	20 21 52.55	45.710	− 1.62	+ 22.4	8 39 37.12	.....	+18 29 2.3	....
3	ζ Hydræ................	9	51 13.07	+ 0.21	**−32.53**	32 33 52.30	44.330	− 1.62	+ 38.4	8 50 40.69	.....	+ 6 17 18.2	....
4	α Cancri................	9	54 8.95	+ 0.20	**−32.60**	26 37 52.60	47.250	− 1.62	+ 30.2	8 53 36.56	.....	+12 12 19.3	....
5	α Hydræ................	9	23 44.39	+ 0.24	**−32.65**	47 5 54.22	46.735	− 1.62	+1 4.6	9 23 12.03	.....	− 8 16 4.9	....
6	ε Leonis................	9	41 19.56	+ 0.16	**−32.55**	14 39 52.20	45.648	− 1.62	+ 15.8	9 40 47.11	.....	+24 11 10.7	....
7	μ Leonis................	9	48 13.73	+ 0.15	**−32.62**	12 25 51.42	44.505	− 1.62	+ 13.3	9 47 41.27	.....	+26 25 40.1	....
8	Moon II, S..........	9	4 54.94	+ 0.18	−32.62	21 53 53.10	48.852	− 1.62	+ 24.2	10 4 22.50	−67.63	+16 55 48.2	....
9	ζ Leonis................	9	12 15.90	+ 0.16	**−32.59**	14 59 51.68	44.108	− 1.62	+ 16.2	10 11 43.44	.....	+23 51 46.0	....
10	μ Hydræ................	9	22 18.29	+ 0.27	**−32.70**	55 11 54.32	47.119	− 1.62	+1 26.5	10 21 45.93	.....	−16 22 35.6	....
	November 23, L.												
11	Sun I, S..............	9	52 52.95	+ 0.30	−32.77	59 21 49.10	47.330	− 1.34	+1 39.0	15 52 20.48	+69.54	−20 32 48.3	....
12	Sun II, N............	8	55 12.02	+ 0.30	−32.77	58 49 48.48	46.260	− 1.34	+1 36.8	15 54 39.55	−69.53	−20 0 20.4	....
	November 24, P.												
13	δ Cancri................	9	40 10.93	+ 0.04	**−33.79**	20 21 49.60	45.932	− 2.32	+ 21.6	8 39 37.16	.....	+18 29 1.7	....
14	ζ Hydræ................	9	51 14.56	+ 0.07	**−33.81**	32 33 51.58	44.505	− 2.27	+ 37.1	8 50 40.82	.....	+ 6 17 16.8	....
15	α Cancri................	9	54 10.38	+ 0.06	**−33.82**	26 37 51.50	47.390	− 2.25	+ 29.2	8 53 36.62	.....	+12 12 18.9	....
16	π Leonis................	9	56 3.46	+ 0.06	**−33.83**	30 21 49.55	46.875	− 1.97	+ 34.0	9 55 29.68	.....	+ 8 28 27.6	....
17	α Leonis................	9	4 10.88	+ 0.06	**−33.91**	26 25 50.68	47.500	− 1.94	+ 28.8	10 3 37.09	.....	+12 24 17.3	....
18	30 H. Camelopardalis....	9	20 54.40	− 1.32	**−33.86**	315 51 46.22	45.453	− 1.87	− 55.8	10 20 19.22	− 7.53	+83 0 33.0	+28.4
19	34 Sextantis..........	8	38 34.30	+ 0.07	**−33.84**	34 47 50.25	44.940	− 1.79	+ 40.1	10 38 0.51	.....	+ 4 3 4.6	....
	November 25, L.												
20	γ Orionis..............	9	20 55.87	+ 0.08	**−34.41**	32 33 52.88	46.882	− 1.76	+ 37.6	5 20 21.51	.....	+ 6 16 20.2	....
21	δ Orionis..............	9	28 2.08	+ 0.09	**−34.45**	39 11 55.00	46.472	− 1.76	+ 48.1	5 27 27.73	.....	− 0 21 43.0	....
22	ζ Orionis..............	9	36 50.61	+ 0.09	**−34.46**	40 49 53.55	44.990	− 1.76	+ 50.9	5 36 16.25	.....	− 1 59 10.5	....
23	κ Orionis..............	9	44 6.74	+ 0.10	**−34.48**	48 31 55.45	46.022	− 1.76	+1 6.7	5 43 32.39	.....	− 9 41 51.8	....
24	α Orionis..............	9	50 55.66	+ 0.08	**−34.46**	31 27 53.28	43.555	− 1.76	+ 36.1	5 50 21.29	.....	+ 7 23 37.3	....
25	8 Monocerotis..........	5	19 37.49	+ 0.09	**−34.43**	34 11 54.32	46.368	− 1.76	+ 40.0	6 19 3.11	.....	+ 4 38 28.1	....
26	υ Leonis................	9	32 56.47	+ 0.11	**[−34.61]**	39 9 53.75	46.568	− 0.87	+ 48.0	11 32 21.97	.....	− 0 19 44.8	....
27	β Virginis..............	9	46 36.47	+ 0.11	**[−34.61]**	36 33 53.95	47.022	− 0.92	+ 43.7	11 46 1.97	.....	+ 2 16 9.0	....
28	π Virginis..............	9	56 51.64	+ 0.10	**[−34.63]**	31 43 53.12	45.730	− 0.96	+ 36.5	11 56 17.12	.....	+ 7 6 46.6	....
29	ο Virginis..............	9	1 13.45	+ 0.10	**[−34.62]**	29 35 52.95	48.522	− 0.98	+ 33.5	12 0 38.93	.....	+ 9 13 46.0	....
30	η Virginis..............	9	15 53.88	+ 0.11	**[−34.60]**	38 59 55.35	47.612	− 1.04	+ 47.8	12 15 19.36	.....	− 0 10 9.9	....
31	Moon II, S..........	9	27 53.02	+ 0.11	−34.65	38 31 55.68	43.963	− 1.09	+ 46.9	12 27 18.48	−61.77	+ 0 19 14.2	....
	November 26, L.												
32	Sun I, N..............	9	5 37.49	+ 0.08	−34.75	59 25 52.10	46.760	− 1.20	+1 38.8	16 5 2.82	+69.76	−20 36 38.2	....
33	Sun II, S..............	9	7 57.00	+ 0.08	−34.75	59 57 51.95	47.990	− 1.20	+1 40.9	16 7 22.33	−69.75	−21 9 7.7	....
34	Mercury C, C........	9	39 33.28	+ 0.08	−34.77	62 29 52.80	45.962	− 1.20	+1 51.7	16 38 58.59	0.00	−23 40 33.2	....
35	γ Capricorni............	9	35 43.12	+ 0.13	**−34.93**	55 53 54.28	45.761	− 2.19	+1 26.8	21 35 8.32	.....	−17 4 4.3	....
36	δ Capricorni............	9	42 41.32	+ 0.13	**−34.99**	55 21 53.70	45.851	− 2.16	+1 25.2	21 42 6.52	.....	−16 32 4.2	....
37	μ Capricorni............	9	49 0.27	+ 0.13	**−35.01**	52 47 53.92	47.090	− 2.13	+1 17.6	21 48 25.47	.....	−13 58 25.2	....
38	ι Aquarii................	9	2 11.47	+ 0.13	**−34.92**	53 7 54.35	46.626	− 2.08	+1 18.6	22 1 36.66	.....	−14 18 16.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 7 1	29.820	33.0	32.1
8 41	29.826	32.4	32.2
8 55	......	....	32.0
9 25	29.828	32.8	32.2
9 45	......	....	31.6
10 9	......	....	31.7
10 23	29.838	32.1	31.7
23 15 55	29.854	44.0	43.8
24 8 37	29.326	41.0	39.8
9 0	29.332	41.0	39.8
9 53	29.334	40.8	41.0
10 17	......	....	42.9
10 39	29.346	41.7	43.6
25 5 22	29.580	38.0	37.7
5 38	......	....	37.2
5 52	......	....	36.8
6 22	29.580	37.9	38.1
11 34	29.672	39.8	39.0
11 47	......	....	39.0
12 2	......	....	38.9
12 14	......	....	39.1
12 28	29.700	40.1	39.4
26 16 8	29.735	44.1	43.8
16 40	29.734	45.0	44.6
21 36	29.770	42.6	40.9
21 50	......	....	40.1

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 5, 10, 34–36, 38.	Bisections at I, II, VI, VII.
8, 31.	Bisections at II, III, IV, V, VI.
11, 32.	Bisections at I, II, III.
12, 33.	Bisections at V, VI, VII.
15, 16, 21.	Bisections at II, VI, VII.
18.	Bisections at b_4, b_5, b_6.
19.	Bisection at II.

Notes.

2–10. Unsteady.
19. Clouds.
25. Through clouds; poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+21 7.9	+15 33.1	...	+36 41.0
11	+ 7.7	+16 13.9	...	+16 21.6
12	+ 7.6	−16 13.9	...	−16 6.3
31	+34 2.6	+14 58.6	...	+49 1.2
32	+ 7.7	−16 14.7	...	−16 7.0
33	+ 7.7	+16 14.8	...	+16 22.5
34	+ 5.5	.. ....	0.0	+ 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m	s	° ′ ″	″
1	30 H. Camelopardalis s. p.	9	20 52.96	+ 1.23	−34.95	301 53 49.75	44.640	− 2.00	−1 34.2	10 20 19.24	− 7.83	+83 0 33.1	+28.5
2	σ Aquarii	9	26 30.04	+ 0.13	**−34.92**	49 57 56.18	46.689	− 1.98	+1 10.3	22 25 55.22	.....	−11 8 11.1	....
3	β Pegasi	9	0 1.23	+ 0.10	**−34.85**	11 15 53.50	43.472	− 1.84	+ 11.8	22 59 26.36	.....	+27 36 3.3	....
4	τ Pegasi	9	16 47.76	+ 0.10	**−34.98**	15 35 52.85	45.440	− 1.76	+ 16.6	23 16 12.89	.....	+23 15 14.1	....
5	θ Piscium	9	24 1.24	+ 0.12	**−34.99**	32 57 54.42	44.065	− 1.74	+ 38.5	23 23 26.38	.....	+ 5 53 22.1	....
6	39 H. Cephei	9	28 23.94	− 2.00	−34.98	312 3 51.38	43.970	− 1.71	−1 5.4	23 27 46.96	.....	+86 49 11.2	....
	November 29, L.												
7	γ Orionis	9	20 58.44	+ 0.18	**−37.01**	32 33 52.55	46.900	− 1.39	+ 37.8	5 20 21.56	.....	+ 6 16 19.5	....
8	δ Orionis	9	28 4.70	+ 0.19	**−37.10**	39 11 54.82	46.468	− 1.36	+ 48.3	5 27 27.83	.....	− 0 21 43.4	....
9	ζ Orionis	9	36 53.19	+ 0.19	**−37.06**	40 49 53.75	44.965	− 1.35	+ 51.2	5 36 16.31	.....	− 1 59 10.8	....
10	κ Orionis	8	44 9.26	+ 0.20	**−37.02**	48 31 55.58	45.998	− 1.33	+1 7.0	5 43 32.39	.....	− 9 41 52.1	....
11	α Orionis	9	50 58.24	+ 0.18	**−37.06**	31 27 53.98	43.512	− 1.28	+ 36.3	5 50 21.35	.....	+ 7 23 36.9	....
12	8 Monocerotis	9	19 40.06	+ 0.18	**−37.00**	34 11 54.68	46.260	− 1.24	+ 40.3	6 19 3.15	.....	+ 4 38 29.4	....
13	λ Hydræ	9	6 51.08	+ 0.22	**−37.26**	50 43 51.98	47.709	− 0.59	+1 12.6	10 6 14.11	.....	−11 54 33.9	....
14	μ Hydræ	9	22 23.08	+ 0.22	**−37.21**	55 11 53.20	47.176	− 0.59	+1 25.4	10 21 46.11	.....	−16 22 35.7	....
15	ν Hydræ	9	45 49.81	+ 0.22	−37.20	54 33 53.00	44.028	− 0.59	+1 23.4	10 45 12.83	.....	−15 43 21.6	....
16	α Crateris	9	56 2.00	+ 0.22	**−37.28**	56 39 51.42	43.316	− 0.59	+1 30.2	10 55 25.01	.....	−17 49 10.5	....
17	δ Crateris	9	15 29.02	+ 0.22	**−37.23**	53 7 52.18	44.731	− 0.59	+1 19.2	11 14 52.02	.....	−14 17 32.6	....
	December 1, P.												
18	γ Orionis	9	20 59.66	+ 0.21	**−38.22**	32 33 47.85	47.112	− 1.14	+ 38.2	5 20 21.66	.....	+ 6 16 18.8	....
19	δ Orionis	9	28 5.85	+ 0.22	**−38.25**	39 11 51.88	46.610	− 1.14	+ 48.8	5 27 27.85	.....	− 0 21 44.4	....
20	ζ Orionis	9	36 54.37	+ 0.23	**−38.25**	40 49 50.52	45.140	− 1.14	+ 51.8	5 36 16.38	.....	− 1 59 12.4	....
21	κ Orionis	9	44 10.48	+ 0.24	**−38.25**	48 31 51.95	46.222	− 1.14	+1 7.7	5 43 32.50	.....	− 9 41 54.4	....
22	α Orionis	9	50 59.39	+ 0.21	**−38.20**	31 27 49.30	43.768	− 1.14	+ 36.6	5 50 21.37	.....	+ 7 23 35.3	....
23	8 Monocerotis	9	19 41.24	+ 0.22	**−38.17**	34 11 50.98	46.463	− 1.14	+ 40.8	6 19 3.22	.....	+ 4 38 27.9	....
	December 2, P.												
24	Sun I, S.	9	31 26.08	+ 0.27	−38.51	60 59 53.48	47.372	− 1.08	+1 46.9	16 30 47.84	+70.30	−22 11 1.7	....
25	Sun II, N.	9	33 46.67	+ 0.27	−38.51	60 27 52.40	46.247	− 1.08	+1 44.6	16 33 8.43	−70.29	−21 38 32.1	....
26	δ Capricorni	9	42 44.82	+ 0.26	**−38.69**	55 21 49.15	46.075	− 1.96	+1 26.3	21 42 6.42	.....	−16 32 6.0	....
27	μ Capricorni	9	49 3.74	+ 0.25	**−38.67**	52 47 49.32	47.349	− 1.96	+1 18.7	21 48 25.33	.....	−13 58 27.7	....
28	ι Aquarii	7	2 15.08	+ 0.25	**−38.72**	53 7 50.82	46.831	− 1.96	+1 19.7	22 1 36.66	.....	−14 18 18.4	....
29	ψ³ Aquarii	9	14 57.50	+ 0.24	−38.70	48 55 50.70	46.485	− 1.96	+1 8.8	23 14 19.04	− 2.27	−10 5 59.7	−10.9
30	τ Pegasi	9	16 51.33	+ 0.15	**−38.68**	15 35 50.12	45.587	− 1.96	+ 16.8	23 16 12.78	.....	+23 15 13.5	....
31	ι Piscium	9	36 0.00	+ 0.21	**−38.69**	33 41 49.18	46.320	− 1.96	+ 40.0	23 35 21.50	.....	+ 5 8 34.5	....
32	ι¹ Aquarii	9	40 12.98	+ 0.26	**−38.63**	57 35 49.95	46.611	− 1.96	+1 34.4	23 39 34.53	.....	−18 46 27.2	....
	December 2, L.												
33	λ Hydræ	9	6 52.84	+ 0.32	**−39.02**	50 43 52.72	47.647	− 1.10	+1 14.6	10 6 14.12	.....	−11 54 34.6	....
34	30 H. Camelopardalis	7	21 1.18	− 1.40	−39.04	315 51 52.08	45.348	− 1.10	− 58.9	10 20 20.74	− 9.07	+83 0 31.7	+29.1
35	34 Sextantis	9	38 39.56	+ 0.28	**−39.04**	34 47 53.52	44.728	− 1.10	+ 42.4	10 38 0.79	.....	+ 4 3 3.3	....
36	ν Hydræ	9	45 51.67	+ 0.32	−39.05	54 33 52.60	44.021	− 1.10	+1 25.6	10 45 12.94	.....	−15 43 22.7	....
37	α Crateris	9	56 3.77	+ 0.33	**−39.05**	56 37 51.75	48.481	− 1.10	+1 32.6	10 55 25.04	.....	−17 49 10.8	....
38	β Crateris	9	7 54.29	+ 0.34	−39.06	61 9 52.88	44.744	− 1.10	+1 50.6	11 7 15.57	.....	−22 20 4.5	....
39	θ Leonis	9	10 12.00	+ 0.25	**−39.08**	22 55 51.90	45.508	− 1.10	+ 25.9	11 9 33.19	.....	+15 55 3.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 22 27	29.762	40.8	39.2
23 3	......	....	38.7
23 15	......	....	38.0
23 33	29.776	38.7	37.1
29 5 22	29.432	34.9	32.9
5 37	......	....	32.4
5 52	......	....	32.3
6 20	29.426	33.1	31.9
10 7	29.392	31.2	30.7
10 25	......	....	30.3
10 50	......	....	30.3
11 14	29.408	31.0	30.7
1 5 18	29.518	30.0	29.2
5 40	......	....	29.0
5 54	......	....	29.7
6 21	29.534	29.0	28.2
2 16 34	29.700	36.3	35.8
21 40	29.758	35.0	34.0
22 1	......	....	33.3
23 4	29.788	34.0	....
23 22	......	....	32.4
23 42	29.794	33.1	32.1
10 8	29.884	27.4	26.2
10 24	......	....	26.0
10 43	......	....	25.7
10 56	......	....	25.8
11 11	......	....	25.8

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at III, IV, V.
2, 13–17, 21, 22, 26–28, 31, 32, 36–38.	Bisections at I, II, VI, VII.
6.	Bisections at b_4, b_5, b_6.
23, 30, 33.	Bisections at II, VI, VII.
24.	Bisections at I, II, III.
25.	Bisections at V, VI, VII.
29.	Bisections at I, II.
34.	Bisections at b_1, b_3, b_5.

Notes.

11, 13, 15.	Faint.
17.	Faint at times; clouds.
21, 22, 28.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
24	+ 7.8	+16 14.7	...	+16 22.5
25	+ 7.7	−16 14.8	...	−16 7.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Crateris	9	15 30.93	+ 0.32	**−39.13**	53 7 52.55	44.636	− 1.10	+1 21.3	11 14 52.18	.....	−14 17 32.4	....
2	39 H. Cephei s. p.	9	28 18.83	+ 4.30	−39.07	305 41 49.70	45.923	− 1.10	−1 24.4	23 27 44.06	.....	+86 49 13.3	....
	December 3, L.												
3	Sun I, S	9	35 46.46	+ 0.35	−39.19	61 7 52.30	49.663	− 0.75	+1 48.6	16 35 7.62	+70.44	−22 19 54.9	....
4	Sun II, N	9	38 7.33	+ 0.35	−39.19	60 35 51.42	48.463	− 0.75	+1 46.3	16 37 28.49	−70.43	−21 47 23.8	....
5	Mercury C, C	9	26 42.47	+ 0.36	−39.21	64 3 53.88	46.230	− 0.75	+2 2.5	17 26 3.62	+ 0.01	−25 14 51.7	....
6	30 H. Camelopardalis s. p.	9	20 57.92	+ 2.32	−39.33	301 53 50.52	44.668	− 2.22	−1 36.0	10 20 20.91	− 9.17	+83 0 32.7	+29.2
7	β Pegasi	9	0 5.51	+ 0.16	**−39.29**	11 15 53.98	43.485	− 2.18	+ 12.1	22 59 26.33	.....	+27 36 2.6	....
8	τ Pegasi	9	16 52.00	+ 0.18	**−39.39**	15 35 52.58	45.480	− 2.16	+ 16.9	23 16 12.83	.....	+23 15 13.6	....
9	θ Piscium	9	24 5.44	+ 0.24	**−39.39**	32 58	......	....	. ....	23 23 26.33	.....	+ 5 53	....
10	39 H. Cephei	9	28 27.67	− 4.02	−39.36	312 3 51.50	43.970	− 2.12	−1 6.6	23 27 44.29	.....	+86 49 12.7	....
11	o^1 Eridani	9	8 10.78	+ 0.29	**−39.48**	45 53 53.95	46.850	− 1.50	+1 2.4	4 7 31.59	.....	− 7 4 5.3	....
12	o^2 Eridani	9	11 50.09	+ 0.29	**−39.45**	46 37 53.82	44.965	− 1.50	+1 3.9	4 11 10.90	.....	− 7 47 23.4	....
13	ν Eridani	9	32 31.85	+ 0.28	**−39.53**	42 21 52.65	46.812	− 1.50	+ 55.1	4 31 52.64	.....	− 3 31 55.9	....
14	53 Eridani	9	35 45.96	+ 0.31	**−39.59**	53 17 53.30	47.292	− 1.50	+1 21.0	4 35 6.78	.....	−14 28 33.2	....
15	π^3 Orionis	9	45 39.98	+ 0.26	**−39.52**	32 1 52.82	46.438	− 1.50	+ 37.8	4 45 0.75	.....	+ 6 48 30.0	....
16	π^5 Orionis	9	50 16.34	+ 0.27	**−39.42**	36 31 53.95	47.850	− 1.50	+ 44.8	4 49 37.12	.....	+ 2 17 49.6	....
17	γ Orionis	9	21 0.91	+ 0.26	**−39.49**	32 33 52.78	46.888	− 1.50	+ 38.7	5 20 21.66	.....	+ 6 16 18.8	....
18	δ Orionis	9	28 7.07	+ 0.29	**−39.50**	39 11 54.90	46.500	− 1.50	+ 49.4	5 27 27.85	.....	− 0 21 45.1	....
19	ζ Orionis	9	36 55.57	+ 0.29	**−39.47**	40 49 53.02	45.015	− 1.50	+ 52.3	5 36 16.35	.....	− 1 59 12.2	....
20	κ Orionis	9	44 11.71	+ 0.31	**−39.51**	48 31 54.30	46.092	− 1.50	+1 8.4	5 43 32.50	.....	− 9 41 54.2	....
21	α Orionis	9	51 0.66	+ 0.27	**−39.49**	31 27 53.58	43.575	− 1.50	+ 37.0	5 50 21.41	.....	+ 7 23 35.4	....
	December 7, L.												
22	Sun I, N	9	53 14.18	+ 0.46	−41.68	61 7 49.90	46.258	+ 0.01	+1 48.7	16 52 32.96	+70.68	−22 18 35.6	....
23	Sun II, S	9	55 35.54	+ 0.46	−41.68	61 39 48.55	47.590	+ 0.01	+1 51.2	16 54 54.32	−70.68	−22 51 6.7	....
24	Mercury C, C	9	53 50.41	+ 0.47	−41.70	64 27 53.32	46.738	− 0.41	+2 5.0	17 53 9.18	+ 0.01	−25 39 5.6	....
25	Moon I, S	9	45 10.41	+ 0.43	−41.80	58 55 53.48	44.510	− 1.16	+1 39.6	21 44 29.04	+67.23	−20 5 48.7	....
26	μ Capricorni	9	49 6.74	+ 0.40	**[−41.87]**	52 47 54.75	47.035	− 1.16	+1 19.2	21 48 25.32	.....	−13 58 27.3	....
27	ι Aquarii	9	2 18.05	+ 0.40	**−41.89**	53 7 53.58	46.638	− 1.16	+1 20.3	22 1 36.62	.....	−14 18 18.2	....
28	σ Aquarii	9	26 36.59	+ 0.39	**−41.85**	49 57 55.10	46.645	− 1.16	+1 11.7	22 25 55.14	.....	−11 8 11.3	....
29	τ Aquarii	9	45 33.24	+ 0.40	−41.85	52 53 52.82	45.730	− 1.16	+1 19.7	22 44 51.79	− 2.10	−14 3 56.1	− 7.9
30	δ Aquarii	9	50 36.17	+ 0.41	**−41.90**	55 7 54.35	45.155	− 1.16	+1 26.5	22 49 54.73	.....	−16 17 51.2	....
31	β Pegasi	9	0 7.87	+ 0.23	**−41.77**	11 15 53.42	43.440	− 1.16	+ 12.1	22 59 26.25	.....	+27 36 3.2	....
32	τ Pegasi	9	16 54.30	+ 0.26	**−41.82**	15 35 53.48	45.390	− 1.16	+ 16.9	23 16 12.70	.....	+23 15 13.7	....
33	39 H. Cephei	9	28 29.33	− 4.98	−41.87	312 3 50.82	43.940	− 1.16	−1 6.7	23 27 42.48	.....	+86 49 13.2	....
34	γ Orionis	9	21 3.43	+ 0.30	**−41.99**	32 33 51.15	46.905	− 0.45	+ 39.0	5 20 21.71	.....	+ 6 16 18.7	....
35	δ Orionis	9	28 9.62	+ 0.33	**−42.03**	39 11 54.32	46.445	− 0.45	+ 49.8	5 27 27.93	.....	− 0 21 44.7	....
36	ζ Orionis	9	36 58.15	+ 0.34	**−42.04**	40 49 52.68	44.995	− 0.45	+ 52.8	5 36 16.47	.....	− 1 59 12.9	....
37	κ Orionis	9	44 14.29	+ 0.36	**−42.08**	48 31 53.08	46.098	− 0.45	+1 9.2	5 43 32.62	.....	− 9 41 54.9	....
38	α Orionis	9	51 3.19	+ 0.30	**−41.98**	31 27 51.68	43.590	− 0.45	+ 37.4	5 50 21.46	.....	+ 7 23 35.5	....
39	8 Monocerotis	8	19 45.08	+ 0.31	**−41.98**	54 11 51.92	46.395	− 0.45	+ 41.5	6 19 3.35	.....	+ 4 38 27.1	....
	December 7, M.												
40	30 H. Camelopardalis	9	21 5.76	− 1.78	−42.04	315 51 53.88	45.275	− 0.78	− 59.7	10 20 21.94	−10.20	+83 0 32.0	+29.4

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 11 32	29.892	26.8	25.9
3 16 38	29.920	35.4	34.6
17 27	29.900	36.1	35.8
22 22	29.898	33.0	32.6
23 1	......	....	31.6
23 32	29.896	32.0	31.3
4 6	29.850	30.7	29.9
4 36	......	....	29.7
4 51	......	....	29.3
5 22	29.828	30.2	29.1
5 38	......	....	29.0
5 49	......	....	29.0
6 16	29.822	30.2	....
7 16 56	29.712	31.0	30.4
17 54	29.700	32.3	31.7
21 42	29.710	31.1	30.1
22 3	......	....	29.3
22 27	......	....	29.1
22 43	29.722	29.8	29.0
23 1	......	....	28.1
23 29	29.734	28.9	27.9
5 22	29.780	25.1	23.9
5 38	......	....	23.3
5 52	......	....	22.9
6 20	29.772	24.8	24.0
10 21	[illegible]	20.0	18.9

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 24, 37–39.	Bisections at I, II, VI, VII.
2, 6, 10, 33.	Bisections at b_4, b_5, b_6.
3, 22.	Bisections at I, II, III.
4, 23.	Bisections at V, VI, VII.
9, 11.	Bisection at II.
13.	Bisections at I, II.
25.	Bisections at II, III, IV, V, VI.
36.	Bisections at II, VI, VII.
40.	Bisections at III, IV, V.

Notes.

14–16, 19, 20.	Hazy.
21, 30.	Very faint; haze.
22.	Revolution of micrometer reading assumed.
26–39.	Conditions poor.
34–37.	Diffuse.

No.	Parallax	Semi-diameter.	Def. Ill Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 7.8	+16 15.5	...	+16 23.3
4	+ 7.8	−16 15.6	...	−16 7.8
5	+ 5.7	.. ....	0.0	+ 5.7
22	+ 7.8	−16 15.5	...	−16 7.7
23	+ 7.9	+16 15.5	...	+16 23.4
24	+ 6.0	.. ....	0.0	+ 6.0
25	+47 59.5	+15 19.8	...	+63 19.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Crateris	7	56 6.89	+ 0.45	−42.12	56 38	......	....	. ....	10 55 25.28	.....	−17 49	....
2	39 H. Cephei s. P.	9	28 18.94	+ 5.42	−42.07	305 41 51.65	45.823	− 0.78	−1 25.8	23 27 42.29	.....	+86 49 11.9	....
	December 8, M.												
3	Sun I, S.	9	57 37.18	+ 0.54	−42.22	61 47 52.12	43.903	− 0.14	+1 52.4	16 56 55.50	+70.73	−22 57 47.5	....
4	Sun II, N.	9	59 58.64	+ 0.54	−42.22	61 15 50.52	42.807	− 0.14	+1 49.9	16 59 16.96	−70.73	−22 25 17.9	....
5	Mercury C, C.	9	0 35.99	+ 0.56	−42.24	64 31 53.92	42.688	− 0.29	+2 5.4	17 59 54.31	+ 0.02	−25 41 34.1	....
6	30 H. Camelopardalis s. P.	9	21 1.91	+ 2.53	−42.36	301 53 53.38	44.437	− 1.18	−1 36.3	10 20 22.08	−10.31	+83 0 30.8	+29.4
7	σ Aquarii	9	26 37.06	+ 0.45	−42.39	49 57 55.10	46.698	− 1.18	+1 11.8	22 25 55.15	.....	−11 8 12.5	....
8	Moon I, S.	9	36 46.19	+ 0.48	−42.36	53 59 53.00	43.215	− 1.18	+1 23.0	22 36 4.31	+66.33	−15 9 2.0	....
9	τ Aquarii	9	45 33.76	+ 0.46	−42.37	52 53 53.22	45.755	− 1.18	+1 19.8	22 44 51.85	− 2.09	−14 3 57.1	− 7.9
10	δ Aquarii	9	50 36.66	+ 0.47	−42.46	55 7 54.32	45.210	− 1.18	+1 26.6	22 49 54.76	.....	−16 17 52.5	....
11	c² Aquarii	9	5 23.21	+ 0.49	−42.38	60 29 53.48	43.578	− 1.18	+1 46.5	23 4 41.32	.....	−21 39 34.3	....
12	b¹ Aquarii	9	18 59.00	+ 0.49	−42.38	59 25 53.50	43.390	− 1.18	+1 42.0	23 18 17.11	− 2.32	−20 35 25.5	− 6.9
13	θ Piscium	9	24 8.28	+ 0.40	−42.44	32 57 53.35	44.130	− 1.18	+ 39.2	23 23 26.27	.....	+ 5 53 20.4	....
14	39 H. Cephei	9	28 28.56	− 4.07	−42.39	312 3 53.05	43.778	− 1.18	−1 6.7	23 27 42.10	.....	+86 49 14.6	....
15	i¹ Aquarii	9	40 16.43	+ 0.48	−42.37	57 35 53.35	46.432	− 1.18	+1 35.1	23 39 34.52	.....	−18 46 28.0	....
16	2 Ceti	9	59 52.32	+ 0.48	−42.46	56 39 52.45	45.575	− 1.18	+1 31.8	23 59 10.40	.....	−17 50 4.2	....
17	γ Orionis	9	21 3.91	+ 0.40	−42.56	32 33 51.92	46.952	− 0.78	+ 39.1	5 20 21.77	.....	+ 6 16 17.1	....
18	δ Orionis	9	28 10.06	+ 0.42	−42.55	39 11 53.62	46.542	− 0.71	+ 49.9	5 27 27.94	.....	− 0 21 46.1	....
19	ζ Orionis	9	36 58.53	+ 0.43	−42.49	40 49 51.80	45.050	− 0.64	+ 52.9	5 36 16.41	.....	− 1 59 13.2	....
20	κ Orionis	9	44 14.68	+ 0.46	−42.55	48 31 53.62	46.095	− 0.57	+1 9.3	5 43 32.59	.....	− 9 41 55.3	....
21	α Orionis	9	51 3.73	+ 0.40	−42.60	31 27 53.25	43.562	− 0.50	+ 37.5	5 50 21.58	.....	+ 7 23 34.5	....
22	8 Monocerotis	9	19 45.56	+ 0.41	−42.54	34 11 53.58	46.382	− 0.42	+ 41.5	6 19 3.40	.....	+ 4 38 25.7	....
	December 8, P.												
23	λ Hydræ	9	6 56.62	+ 0.46	−42.74	50 43 51.05	47.750	− 0.40	+1 15.4	10 6 14.37	.....	−11 54 36.9	....
24	μ Hydræ	9	22 28.60	+ 0.47	−42.67	55 11 52.15	47.220	− 0.40	+1 28.6	10 21 46.35	.....	−16 22 39.0	....
25	ν Hydræ	9	45 55.27	+ 0.47	−42.73	54 33 49.52	44.172	− 0.40	+1 26.6	10 45 13.01	.....	−15 43 24.8	....
26	α Crateris	9	56 7.51	+ 0.48	−42.74	56 37 49.00	48.651	− 0.40	+1 33.6	10 55 25.26	.....	−17 49 13.6	....
27	δ Leonis	9	10 4.07	+ 0.32	−42.59	17 49 48.52	46.780	− 0.40	+ 19.9	11 9 21.65	.....	+21 0 43.2	....
28	δ Crateris	9	15 34.57	+ 0.46	−42.71	53 7 51.18	44.702	− 0.40	+1 22.2	11 14 52.29	.....	−14 17 34.2	....
29	39 H. Cephei s. P.	9	28 19.06	+ 5.89	−42.75	305 41 49.42	45.927	− 0.40	−1 25.4	23 27 42.20	.....	+86 49 12.8	....
	December 9, P.												
30	Sun I, N.	9	2 0.94	+ 0.54	−42.87	61 21 52.42	43.273	+ 0.05	+1 52.1	17 1 18.61	+70.79	−22 31 33.3	....
31	Sun II, S.	9	4 22.53	+ 0.54	−42.87	61 55 59.62	38.922	+ 0.05	+1 54.7	17 3 40.20	−70.80	−23 4 3.2	....
32	θ Piscium	9	24 8.86	+ 0.40	−43.03	32 57 51.38	44.150	− 1.16	+ 40.1	23 23 26.26	.....	+ 5 53 21.0	....
33	Moon I, S.	9	27 19.94	+ 0.48	−43.01	48 13 51.68	43.565	− 1.17	+1 9.1	23 26 37.41	+65.94	− 9 22 54.8	....
34	i¹ Aquarii	9	40 17.08	+ 0.51	−43.06	57 35 52.02	46.370	− 1.14	+1 37.2	23 39 34.58	.....	−18 46 27.4	....
35	33 Piscium	9	1 28.73	+ 0.46	−43.01	45 1 52.92	47.810	− 1.12	+1 1.9	0 0 46.17	.....	− 6 12 26.0	....
36	ι Ceti	9	15 35.66	+ 0.47	−43.04	48 9 51.30	44.218	− 1.09	+1 9.0	0 14 53.10	.....	− 9 19 9.3	....
37	20 Ceti	9	49 9.69	+ 0.44	−43.04	40 27 52.15	46.365	− 1.05	+ 52.7	0 48 27.09	.....	− 1 37 43.0	....
38	θ Ceti	9	20 16.92	+ 0.46	−43.09	47 27 52.00	48.148	− 1.01	+1 7.4	1 19 34.33	.....	− 8 38 38.4	....
39	α Trianguli	9	48 42.75	+ 0.29	−43.06	9 41 48.90	46.898	− 0.98	+ 10.6	1 47 59.97	.....	+29 8 50.0	....
40	γ Orionis	9	21 4.45	+ 0.42	−43.10	32 33 48.12	47.042	− 0.55	+ 39.9	5 20 21.71	.....	+ 6 16 17.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 11 28	29.820	19.0	17.5
8 17 0	29.860	30.5	30.0
18 1	29.836	32.8	33.1
22 21	29.840	31.7	30.4
22 37	......	....	29.9
23 5	29.846	30.5	29.8
23 40	......	....	29.9
0 0	29.860	29.7	29.8
5 21	29.900	25.3	24.6
5 44	......	....	24.5
5 51	......	....	24.5
6 20	29.900	25.5	25.6
10 4	29.936	22.8	22.1
10 25	......	....	22.1
11 0	29.952	22.2	21.8
11 24	......	....	21.9
11 32	29.972	22.8	22.0
9 17 4	30.018	26.7	24.9
23 20	30.026	23.2	22.3
23 43	......	....	22.2
0 4	......	....	22.0
0 18	30.032	23.0	22.0
0 51	......	....	22.2
1 23	30.020	23.0	22.0
1 51	30.024	22.5	21.5
5 18	30.014	18.1	17.0

Micrometer bisections are made at İI, VI, except as noted below:

2, 14, 29.	Bisections at b_4, b_5, b_6.
3, 30.	Bisections at I, II, III.
4.	Bisections at V, VI, VII.
5, 15, 16, 25, 26, 28, 34, 40.	Bisections at I, II, VI, VII.
6.	Bisections at III, IV, V.
8, 33.	Bisections at II, III, IV, V, VI.
20, 24, 39.	Bisections at II, VI, VII.
31.	Bisections at VI, VII.

Notes.

12. Poor seeing.
31. Circle reading increased 2′.
40. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 7.9	+16 14.8	...	+16 22.7
4	+ 7.8	−16 14.7	...	−16 6.9
5	+ 6.0	.. ....	0.0	+ 6.0
8	+45 54.3	+15 31.9	...	+61 26.2
30	+ 7.8	−16 14.9	...	−16 7.1
31	+ 7.9	+16 14.9	...	+16 22.8
33	+42 55.3	+15 45.4	...	+58 40.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Orionis	9	28 10.65	+ 0.45	**−43.15**	39 11 50.60	46.589	− 0.52	+ 51.0	5 27 27.94	.....	− 0 21 45.4	....
2	ζ Orionis	9	36 59.15	+ 0.47	**−43.14**	40 49 49.72	45.082	− 0.48	+ 54.1	5 36 16.45	.....	− 1 59 13.2	....
3	κ Orionis	9	44 15.27	+ 0.50	**−43.17**	48 31 50.62	46.128	− 0.44	+1 10.8	5 43 32.60	.....	− 9 41 54.8	....
4	α Orionis	9	51 4.27	+ 0.44	**−43.16**	31 27 49.40	43.665	− 0.41	+ 38.3	5 50 21.54	.....	+ 7 23 35.2	....
5	8 Monocerotis	9	19 46.15	+ 0.48	**−43.18**	34 11 50.92	46.385	− 0.29	+ 42.6	6 19 3.45	.....	+ 4 38 27.1	....
	December 10, L.												
6	Sun I, S.	9	6 25.06	+ 0.63	−43.53	61 59 52.32	43.913	+ 0.40	+1 54.7	17 5 42.16	+70.84	−23 9 50.8	....
7	Sun II, N.	9	8 46.75	+ 0.63	−43.53	61 27 51.55	42.712	+ 0.40	+1 52.1	17 8 3.85	−70.85	−22 37 19.5	....
	December 11, P.												
8	Moon I, S.	9	9 35.19	+ 0.45	−44.31	35 9 51.02	47.627	− 0.66	+ 42.4	1 8 51.33	+67.54	+ 3 39 54.8	....
9	θ Ceti	9	20 18.14	+ 0.49	**−44.35**	47 27 48.60	48.358	− 0.66	+1 5.6	1 19 34.32	.....	− 8 38 38.3	....
10	π Piscium	9	33 6.33	+ 0.41	**−44.34**	27 9 51.45	44.850	− 0.66	+ 30.9	1 32 22.42	.....	+11 41 13.6	....
11	ν Piscium	9	37 31.55	+ 0.44	**−44.32**	33 47 51.48	47.038	− 0.66	+ 40.4	1 36 47.67	.....	+ 5 2 14.1	....
12	ο Piscium	9	41 25.16	+ 0.42	**−44.29**	30 7 52.68	46.232	− 0.66	+ 35.0	1 40 41.26	.....	+ 8 42 36.8	....
13	ξ Piscium	9	49 40.51	+ 0.44	**−43.30**	36 5 51.40	45.180	− 0.66	+ 44.0	1 48 56.62	.....	+ 2 44 53.1	....
	December 12, P.												
14	Sun I, S.	9	15 14.34	+ 0.51	−44.71	62 9 52.18	44.623	− 0.71	+1 53.8	17 14 30.14	+71.08	−23 20 4.9	....
15	Sun II, N.	9	17 36.51	+ 0.51	−44.71	61 37 52.62	43.423	− 0.71	+1 51.3	17 16 52.31	−71.09	−22 47 34.9	....
16	Mercury I, C.	9	27 20.33	+ 0.52	−44.75	64 25 54.55	45.662	− 0.65	+2 5.6	18 26 36.10	+ 0.20	−25 36 42.6	....
17	30 H. Camelopardalis s. p.	7	21 4.99	+ 2.60	−44.83	301 53 45.38	44.842	− 1.40	−1 37.1	10 20 22.76	−11.11	+83 0 31.3	+29.3
18	39 H. Cephei	9	28 30.11	− 4.20	−44.86	312 3 50.20	43.947	− 1.17	−1 7.2	23 27 41.05	.....	+86 49 14.1	....
19	Moon I, S.	9	3 58.16	+ 0.39	−44.93	28 31 51.42	43.601	− 0.52	+ 33.4	2 3 13.62	+69.68	+10 19 39.7	....
20	δ Ceti	9	35 39.81	+ 0.42	**−44.98**	38 53 50.38	45.495	− 0.52	+ 49.6	2 34 55.29	.....	− 0 3 18.8	....
21	η Eridani	9	52 49.49	+ 0.45	**−44.95**	48 5 52.68	44.175	− 0.52	+1 8.5	2 52 4.99	.....	− 9 15 9.8	....
22	ζ Arietis	9	10 31.67	+ 0.34	**−44.98**	18 7 51.70	45.928	− 0.52	+ 20.2	3 9 47.05	.....	+20 42 59.3	....
23	ο Tauri	9	20 46.04	+ 0.38	**−44.95**	30 7 52.05	45.150	− 0.52	+ 35.7	3 20 1.46	.....	+ 8 43 1.1	....
24	ξ Tauri	9	23 5.42	+ 0.38	**−44.99**	29 25 50.20	44.210	− 0.52	+ 34.7	3 22 20.84	.....	+ 9 25 25.6	....
25	*f* Tauri	9	26 42.27	+ 0.37	**−45.04**	26 11 48.65	48.262	− 0.52	+ 30.3	3 25 57.67	.....	+12 37 59.0	....
26	δ Eridani	9	39 44.01	+ 0.45	**−44.99**	48 53 52.10	45.919	− 0.52	+1 10.4	3 38 59.49	.....	−10 3 51.0	....
27	γ Eridani	9	54 37.61	+ 0.46	**−44.97**	52 35 50.45	45.075	− 0.52	+1 20.4	3 53 53.09	.....	−13 45 40.1	....
28	o^1 Eridani	9	8 16.11	+ 0.44	**−44.90**	45 53 51.35	46.915	− 0.52	+1 3.5	4 7 31.57	.....	− 7 4 6.1	....
29	o^2 Eridani	9	11 55.52	+ 0.44	**−44.97**	46 37 51.38	45.052	− 0.52	+1 5.1	4 11 10.97	.....	− 7 47 25.2	....
30	ν Eridani	9	32 37.24	+ 0.43	**−44.99**	42 21 50.30	46.915	− 0.52	+ 56.2	4 31 52.68	.....	− 3 31 57.8	....
31	53 Eridani	9	34 51.34	+ 0.47	**−45.06**	53 17 48.35	47.485	− 0.52	+1 22.6	4 34 6.81	.....	−14 28 35.2	....
32	γ Orionis	9	21 6.42	+ 0.40	**−45.01**	32 33 52.32	46.890	− 0.52	+ 39.4	5 20 21.80	.....	+ 6 16 17.5	....
33	δ Orionis	9	28 12.58	+ 0.42	**−45.01**	39 11 53.20	46.548	− 0.52	+ 50.3	5 27 27.98	.....	− 0 21 46.4	....
34	ζ Orionis	9	37 1.02	+ 0.43	**−44.93**	40 49 49.68	45.155	− 0.52	+ 53.4	5 36 16.43	.....	− 1 59 14.1	....
35	κ Orionis	9	44 17.22	+ 0.46	**−45.04**	48 31 51.52	46.192	− 0.52	+1 9.8	5 43 32.65	.....	− 9 41 56.1	....
36	α Orionis	9	51 6.22	+ 0.39	**−45.01**	31 27 50.45	43.692	− 0.52	+ 37.8	5 50 21.58	.....	+ 7 23 34.1	....
	December 13, M.												
37	Sun N.	.	.. ..	....	.....	61 41 50.78	44.450	− 0.73	+1 54.4	17 20	.....	−22 52 0.1	....
38	Sun S.	.	.. ..	....	.....	62 13 53.68	45.602	− 0.73	+1 56.9	.. ..	.....	−23 24 31.4	....
39	Moon I, S.	9	2 21.66	+ 0.40	−45.58	22 19 51.20	46.179	− 1.28	+ 25.6	3 1 36.48	+72.51	+16 30 49.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 5 40	......	....	16.1
5 53	30.012	18.0	16.2
6 21	30.004	17.5	16.0
10 17 9	29.970	26.6	25.9
11 1 7	29.850	32.0	32.0
1 23	......	....	31.7
1 44	......	....	31.0
1 51	29.848	31.0	31.0
12 17 18	29.938	33.4	32.4
18 27	29.922	33.0	32.2
22 18	29.990	30.8	29.4
23 32	30.010	29.2	28.4
2 1	30.042	27.0	26.0
2 34	......	....	25.4
2 54	30.052	26.0	25.0
3 16	......	....	25.1
3 37	......	....	25.3
3 57	30.064	26.0	25.0
4 14	.. ..	....	24.7
4 38	30.062	25.2	24.5
5 19	30.070	25.0	24.0
5 40	......	....	23.2
5 54	......	....	23.2
6 19	30.080	24.8	....
13 17 22	30.238	26.6	25.9
3 2	30.200	21.9	21.1

Micrometer bisections are made at II, VI, except as noted below.

1, 16, 22, 26.	Bisections at I, II, VI, VII.
2.	Bisections at II, VI, VII.
6, 14, 37.	Bisections at I, II, III.
7, 15, 38.	Bisections at V, VI, VII.
8, 19, 39.	Bisections at II, III, IV, V, VI.
17, 18.	Bisections at b_4, b_5, b_6.
23.	Bisections at I, II.

Notes.

1, 17, 22–24, 26, 36.	Clouds.
31.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 7.9	+16 15.6	...	+16 23.5
7	+ 7.8	−16 15.6	...	−16 7.8
8	+34 8.0	+16 14.3	...	+50 22.3
14	+ 7.9	+16 15.0	...	+16 22.9
15	+ 7.8	−16 14.9	...	−16 7.1
16	+ 6.4	.. ....	0.0	+ 6.4
19	+28 38.3	+16 27.2	...	+45 5.5
37	+ 7.9	−16 15.6	...	−16 7.7
38	+ 7.9	+16 15.7	...	+16 23.6
39	+22 59.6	+16 37.1	...	+39 36.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Arietis	9	10 32.32	+ 0.37	**−45.66**	18 7 51.82	45.952	− 1.26	+ 20.5	3 9 47.11	.....	+20 42 59.1	....
2	o Tauri	9	20 46.71	+ 0.43	**−45.66**	30 7 52.35	45.150	− 1.23	+ 36.2	3 20 1.55	.....	+ 8 43 1.0	....
3	ξ Tauri	9	23 5.95	+ 0.43	**−45.57**	29 25 52.22	44.142	− 1.22	+ 35.2	3 22 20.79	.....	+ 9 25 25.3	....
4	f Tauri	9	26 42.80	+ 0.41	**−45.60**	26 11 53.88	48.025	− 1.22	+ 30.7	3 25 57.62	.....	+12 37 59.4	....
5	δ Eridani	9	39 44.54	+ 0.52	**−45.59**	48 53 54.48	45.782	− 1.18	+1 11.4	3 38 59.46	.....	−10 3 50.5	....
6	λ Tauri	9	56 30.33	+ 0.42	**−45.63**	26 35 52.48	46.895	− 1.14	+ 31.2	3 55 45.15	.....	+12 14 26.1	....
7	A Tauri	9	0 11.30	+ 0.36	**−45.57**	16 59 51.88	47.380	− 1.13	+ 19.1	3 59 26.05	.....	+21 50 27.6	....
8	γ Orionis	9	21 6.98	+ 0.44	**−45.60**	32 33 51.60	46.940	− 0.82	+ 39.9	5 20 21.78	.....	+ 6 16 16.9	....
9	δ Orionis	9	28 13.19	+ 0.48	**−45.66**	39 11 53.70	46.522	− 0.79	+ 50.9	5 27 28.03	.....	− 0 21 46.6	....
10	ζ Orionis	8	37 1.67	+ 0.48	**−45.62**	40 49 51.50	45.070	− 0.74	+ 54.0	5 36 16.50	.....	− 1 59 14.4	....
11	κ Orionis	9	44 17.81	+ 0.52	**−45.68**	48 31 53.28	46.120	− 0.69	+1 10.6	5 43 32.68	.....	− 9 41 56.7	....
12	α Orionis	9	51 6.83	+ 0.44	**−45.66**	31 27 51.78	43.638	− 0.66	+ 38.2	5 50 21.62	.....	+ 7 23 33.7	....
13	8 Monocerotis	9	19 48.64	+ 0.45	**−45.57**	34 11 51.25	46.466	− 0.58	+ 42.5	6 19 3.42	.....	+ 4 38 25.2	....
	December 14, L.												
14	f Tauri	9	26 43.60	+ 0.39	**−46.38**	26 11 54.62	48.040	− 0.90	+ 29.3	3 25 57.63	.....	+12 37 59.4	....
15	η Tauri	9	42 57.73	+ 0.33	**−46.41**	15 1 52.98	43.548	− 0.90	+ 16.0	3 42 11.69	.....	+23 49 57.0	....
16	λ Tauri	9	56 31.09	+ 0.39	**−46.35**	26 35 53.55	46.895	− 0.90	+ 29.8	3 55 45.10	.....	+12 14 26.2	....
17	A Tauri	9	0 12.16	+ 0.34	**−46.40**	16 59 52.48	47.355	− 0.90	+ 18.2	3 59 26.12	.....	+21 50 28.3	....
18	Moon I, S	9	5 39.25	+ 0.35	−46.38	17 11 53.23	43.810	− 0.90	+ 18.5	4 4 53.22	+75.51	+21 39 51.4	....
19	Moon N	.	.. ..	....	.....	16 37 52.38	43.667	− 0.90	+ 17.8	.. ..	.....	+22 13 50.1	....
20	δ Tauri	9	18 34.30	+ 0.36	**−46.36**	21 29 53.50	47.893	− 0.90	+ 23.6	4 17 48.27	.....	+17 20 9.6	....
21	ε Tauri	9	24 11.43	+ 0.36	**−46.42**	19 51 53.58	45.482	− 0.90	+ 21.6	4 23 25.40	.....	+18 59 6.6	....
22	γ Orionis	9	21 7.82	+ 0.42	**−46.41**	32 33 53.18	46.911	− 0.90	+ 38.2	5 20 21.83	.....	+ 6 16 17.8	....
23	δ Orionis	9	28 14.03	+ 0.45	**−46.46**	39 11 55.22	46.552	− 0.90	+ 48.8	5 27 28.06	.....	− 0 21 46.6	....
24	ζ Orionis	9	37 2.48	+ 0.46	**−46.39**	40 49 55.05	45.042	− 0.90	+ 51.7	5 36 16.52	.....	− 1 59 14.8	....
25	κ Orionis	9	44 18.61	+ 0.49	**−46.43**	48 31 55.30	46.163	− 0.90	+1 7.7	5 43 32.68	.....	− 9 41 56.6	....
26	α Orionis	9	51 7.62	+ 0.42	**−46.41**	31 27 53.48	43.636	− 0.90	+ 36.6	5 50 21.61	.....	+ 7 23 33.9	....
27	8 Monocerotis	9	19 49.49	+ 0.43	**−46.38**	34 11 54.35	46.402	− 0.90	+ 40.6	6 19 3.48	.....	+ 4 38 25.9	....
	December 14, M.												
28	30 H. Camelopardalis	9	21 11.67	− 1.91	−46.44	315 51 49.32	45.353	− 0.70	− 57.9	10 20 23.32	−11.56	+83 0 32.9	+29.4
29	ν Hydræ	9	45 59.27	+ 0.49	−46.45	54 33 53.55	44.201	− 0.70	+1 24.1	10 45 13.31	.....	−15 43 26.7	....
30	α Crateris	9	56 11.41	+ 0.50	**−46.45**	56 37 53.28	48.674	− 0.70	+1 30.9	10 55 25.45	.....	−17 49 15.4	....
31	β Crateris	9	8 1.83	+ 0.52	−46.46	61 9 53.12	44.960	− 0.70	+1 48.5	11 7 15.89	.....	−22 20 7.9	....
32	θ Leonis	9	10 19.73	+ 0.35	**−46.49**	22 55 52.55	45.632	− 0.70	+ 25.4	11 9 33.62	.....	+15 55 0.2	....
33	δ Crateris	9	15 38.50	+ 0.48	**−46.45**	53 7 52.68	44.816	− 0.70	+1 19.8	11 14 52.52	.....	−14 17 35.6	....
34	39 H. Cephei s. p.	9	28 20.56	+ 5.76	−46.47	305 41 54.08	45.593	− 0.70	−1 22.9	23 27 39.85	.....	+86 49 12.0	....
35	ε Corvi	8	6 17.48	+ 0.44	−46.49	60 55 54.80	47.895	− 0.70	+1 47.6	12 5 31.43	.....	−22 7 15.7	....
36	γ Corvi	9	11 58.39	+ 0.47	**−46.50**	55 51 53.02	47.270	− 0.70	+1 28.3	12 11 12.37	.....	−17 2 40.5	....
	December 15, M.												
37	Sun I, S	9	28 31.11	+ 0.50	−46.60	62 21 53.40	44.598	− 0.94	+1 49.8	17 27 45.01	+71.13	−23 32 1.2	....
38	Sun II, N	9	30 53.36	+ 0.50	−46.60	61 49 51.70	43.367	− 0.94	+1 47.4	17 30 7.26	−71.12	−22 59 28.6	....
39	Moon I, N	9	13 31.95	+ 0.29	−46.89	13 5 51.60	45.490	− 0.98	+ 14.2	5 12 45.35	+77.75	+25 45 17.6	....
40	Moon S	.	.. ..	....	.....	13 39 50.92	45.217	− 0.98	+ 14.8	.. ..	.....	+25 11 20.5	....
41	β Tauri	9	21 26.90	+ 0.27	**−46.87**	10 19 51.80	43.492	− 0.98	+ 11.1	5 20 40.28	.....	+28 32 4.4	....
42	δ Orionis	9	28 14.54	+ 0.38	**−46.89**	39 11 53.38	46.615	− 0.98	+ 49.7	5 27 28.03	.....	− 0 21 47.0	....
43	ζ Tauri	9	33 6.56	+ 0.30	**−46.95**	17 45 52.88	44.810	− 0.98	+ 19.6	5 32 19.96	.....	+21 5 24.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 3 21	......	....	20.9
3 40	......	....	20.8
4 0	30.190	21.2	20.9
5 21	30.182	20.7	19.9
5 37	......	....	19.9
5 51	......	....	19.3
6 20	30.152	19.7	18.7
14 3 28	29.748	35.1	35.8
3 41	......	....	35.9
4 3	......	....	35.2
4 25	29.740	34.4	33.8
5 18	29.720	32.1	32.3
5 38	......	....	32.3
5 50	......	....	32.0
6 20	29.686	32.7	32.9
10 21	29.600	31.3	29.9
10 56	......	....	29.8
11 8	29.580	30.8	....
11 16	......	....	29.8
11 28	......	....	29.2
12 12	29.568	30.8	29.6
15 17 31	29.360	42.9	44.1
5 14	29.692	25.8	24.0
5 33	......	....	23.3

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at I, II.
5, 11, 25, 31.	Bisections at II, VI, VII.
12, 13, 22–24, 26, 27, 29, 30, 33, 36.	Bisections at I, II, VI, VII.
18, 37, 39.	Bisections at I, II, III.
19, 38, 40.	Bisections at V, VI, VII.
28.	Bisections at III, IV, V.
34.	Bisections at b_4, b_5, b_6.
35.	Bisections at I, VI, VII.

Notes.

1.	Clouds.
10–13.	Conditions poor.
14–21, 27.	Diffuse.
17.	Micrometer reading increased 4 rev.
28–36.	Very poor images.
42, 43.	High wind.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
18	+17 56.6	+16 42.4	...	+34 39.0
19	+17 21.9	−16 42.4	+ 0.8	+ 0 40.3
37	+ 7.9	+16 16.3	...	+16 24.2
38	+ 7.9	−16 16.3	...	−16 8.4
39	+13 43.5	−16 41.3	...	− 2 57.8
40	+14 18.8	+16 41.3	− 0.8	+30 59.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Orionis	8	37 3.08	+ 0.38	**−46.90**	40 49 52.58	45.105	− 0.98	+ 52.7	5 36 16.56	.....	− 1 59 14.7	....
2	κ Orionis	9	44 19.18	+ 0.41	**−46.91**	48 31 54.25	46.162	− 0.98	+1 9.1	5 43 32.69	.....	− 9 41 56.9	....
3	α Orionis	9	51 8.23	+ 0.35	**−46.94**	31 27 53.08	43.648	− 0.98	+ 37.4	5 50 21.68	.....	+ 7 23 33.3	....
4	8 Monocerotis	9	19 50.09	+ 0.36	**−46.89**	34 11 52.00	46.545	− 0.98	+ 41.6	6 19 3.53	.....	+ 4 38 24.0	....
5	ν Geminorum	9	24 27.77	+ 0.30	**−46.95**	18 33 52.82	47.898	− 0.98	+ 20.6	6 23 41.15	.....	+20 16 13.2	....
6	δ Geminorum	9	15 35.51	+ 0.28	**−46.88**	16 41 51.55	46.312	− 0.98	+ 18.6	7 14 48.85	.....	+22 8 52.7	....
7	ι Geminorum	7	20 59.10	+ 0.25	**−46.93**	10 51 51.48	47.402	− 0.98	+ 11.9	7 20 12.41	.....	+27 58 34.6	....
8	Neptune C, C	8	30 40.91	+ 0.28	−46.95	17 39 51.80	45.492	− 0.98	+ 19.7	7 29 54.24	.....	+21 11 10.2	....
	December 16, P.												
9	Sun I, N	9	32 57.27	+ 0.59	−47.25	61 51 52.20	45.718	− 0.49	+1 55.4	17 32 10.61	+71.15	−23 2 31.7	....
10	Sun II, S	9	35 19.57	+ 0.59	−47.25	62 23 53.95	47.023	− 0.49	+1 58.0	17 34 32.91	−71.15	−23 35 5.5	....
11	Mercury C, C	9	53 4.78	+ 0.60	−47.28	63 57 50.88	44.241	− 0.77	+2 5.8	18 52 18.10	+ 0.04	−25 8 6.5	....
12	39 H. Cephei	9	28 31.22	− 5.44	−47.38	312 3 49.28	44.040	− 0.93	−1 8.3	23 27 38.40	.....	+86 49 13.8	....
13	1 Geminorum	9	59 30.17	+ 0.37	**−47.50**	15 33 50.90	48.103	− 0.76	+ 17.4	5 58 42.98	.....	+23 16 13.5	....
14	η Geminorum	9	10 17.95	+ 0.37	**−47.53**	16 17 49.48	48.471	− 0.76	+ 18.2	6 9 30.76	.....	+22 32 5.6	....
15	μ Geminorum	9	18 22.17	+ 0.37	**−47.51**	16 17 51.90	44.178	− 0.76	+ 18.2	6 17 34.97	.....	+22 33 41.4	....
16	Moon II, N	9	26 32.28	+ 0.35	−47.57	11 39 49.10	45.254	− 0.76	+ 12.9	6 25 45.06	−78.28	+27 11 24.9	....
17	γ Geminorum	9	33 21.79	+ 0.41	**−47.53**	22 21 50.72	46.638	− 0.76	+ 25.6	6 32 34.63	.....	+16 28 39.0	....
18	ζ Geminorum	9	59 37.44	+ 0.38	**−47.55**	18 7 51.00	48.082	− 0.76	+ 20.5	6 58 50.24	.....	+20 42 10.7	....
19	δ Geminorum	9	15 36.07	+ 0.37	**−47.51**	16 41 50.70	46.280	− 0.76	+ 18.8	7 14 48.85	.....	+22 8 53.9	....
20	Neptune C, C	9	30 35.38	+ 0.38	−47.60	17 39 49.32	44.944	− 0.76	+ 19.9	7 29 48.16	.....	+21 11 24.7	....
	December 16, L.												
21	30 H. Camelopardalis	9	21 13.68	− 2.12	−47.73	315 51 51.82	45.435	− 0.38	−1 0.5	10 20 23.83	−11.98	+83 0 30.8	+29.4
22	α Crateris	9	56 12.75	+ 0.63	**−47.86**	56 37 51.02	48.572	− 0.38	+1 35.3	10 55 25.63	.....	−17 49 15.5	....
23	δ Crateris	9	15 39.79	+ 0.61	**−47.81**	53 7 51.28	44.650	− 0.38	+1 23.7	11 14 52.65	.....	−14 17 34.8	....
24	B. D. −5°3268	9	19 42.51	+ 0.57	−47.76	45 3 52.85	51.970	− 0.38	+1 3.1	11 18 55.32	− 2.24	− 6 16 3.0	+10.0
25	B. D. −5°3274	9	20 20.67	+ 0.57	−47.76	45 3 52.85	45.680	− 0.38	+1 3.0	11 19 33.48	− 2.24	− 6 13 38.8	+10.0
26	39 H. Cephei s. p.	9	28 20.00	+ 6.62	−47.76	305 41 49.58	46.073	− 0.38	−1 26.9	23 27 38.86	.....	+86 49 14.8	....
27	ζ Crateris	9	41 1.19	+ 0.63	−47.77	56 39 51.45	48.193	− 0.38	+1 35.5	11 40 14.05	.....	−17 51 7.5	....
28	γ Corvi	9	11 59.66	+ 0.62	**−47.86**	55 51 51.22	47.099	− 0.38	+1 32.8	12 11 12.50	.....	−17 2 39.6	....
29	η Virginis	9	16 7.32	+ 0.54	**−47.79**	38 59 52.42	47.735	− 0.38	+ 51.1	12 15 20.08	.....	− 0 10 13.7	....
30	δ Corvi	9	26 1.38	+ 0.62	**−47.82**	54 49 51.38	48.148	− 0.38	+1 29.4	12 25 14.22	.....	−16 1 0.3	....
31	β Corvi	9	30 28.37	+ 0.66	−47.79	61 43 51.98	44.417	− 0.38	+1 56.9	12 29 41.24	.....	−22 54 3.1	....
32	α Ursæ Minoris s. p.	9	27 59.78	+17.03	−47.81	307 41 50.28	48.130	− 0.38	−1 21.1	1 27 29.00	.....	+88 50 8.2	....
	December 17, L.												
33	Sun I, N	7	37 23.64	+ 0.63	−47.96	61 53 53.22	47.113	− 0.13	+1 54.7	17 36 36.31	+71.19	−23 5 4.2	....
34	Sun II, S	9	39 46.03	+ 0.63	−47.96	62 25 53.55	48.657	− 0.13	+1 57.3	17 38 58.70	−71.20	−23 37 42.1	....
35	Mercury I, C	9	59 14.65	+ 0.66	−48.00	63 45 52.25	47.394	− 0.44	+2 3.5	18 58 27.31	+ 0.21	−24 57 18.0	....
36	γ Orionis	9	21 9.67	+ 0.50	**−48.31**	32 33 52.25	46.910	− 0.75	+ 39.4	5 20 21.86	.....	+ 6 16 17.4	....
37	δ Orionis	9	28 15.86	+ 0.53	**−48.34**	39 11 55.42	46.478	− 0.74	+ 50.3	5 27 28.08	.....	− 0 21 46.8	....
38	ζ Orionis	9	37 4.36	+ 0.54	**−48.32**	40 49 53.70	45.000	− 0.71	+ 53.3	5 36 16.59	.....	− 1 59 14.3	....
39	κ Orionis	9	44 20.46	+ 0.57	**−48.33**	48 31 54.80	46.088	− 0.68	+1 9.8	5 43 32.71	.....	− 9 41 56.8	....
40	α Orionis	9	51 9.47	+ 0.56	**−48.36**	31 27 53.32	43.572	− 0.66	+ 37.8	5 50 21.71	.....	+ 7 23 34.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 5 51	29.726	24.8	22.7
6 24	29.726	23.4	21.5
7 16	......	....	19.6
7 31	29.790	20.8	18.9
16 17 35	30.020	23.9	21.9
18 53	30.008	24.2	23.0
23 29	30.040	22.8	21.9
5 57	30.106	21.8	21.0
6 27	30.100	21.2	20.5
6 40	......	....	19.8
7 2	......	....	19.7
7 18	......	....	19.3
7 33	30.106	19.5	19.0
10 23	30.104	17.5	17.0
10 57	......	....	16.2
11 13	......	....	16.1
11 32	......	....	15.8
11 42	30.120	16.6	15.7
12 10	......	....	15.1
12 31	30.128	15.7	15.0
13 29	30.146	15.9	14.9
17 17 40	30.142	28.1	27.3
18 59	30.106	31.0	29.3
5 19	30.048	23.9	24.0
5 37	......	....	23.0
5 52	......	....	23.0

Micrometer bisections are made at II, VI, except as noted below.

8.	Bisections at IV, V, VI, VII.
9, 33.	Bisections at I, II, III.
10, 34.	Bisections at V, VI, VII.
11, 14, 20, 22, 27, 28, 30, 35.	Bisections at I, II, VI, VII.
12.	Bisections at b_4, b_5, b_7.
13, 15, 17.	Bisections at II, VI, VII.
16.	Bisections at II, III, IV, V, VI.
21.	Bisections at III, IV, V.
23, 24.	Bisections at I, II.
25.	Bisections at VI, VII..
26, 32.	Bisections at b_4, b_5, b_6.
31.	Bisections at I, VI, VII.

Notes.

1-8.	High wind.
13, 14.	Clouds.
24, 25, 29.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 0.1	.. ....	...	+ 0.1
9	+ 7.9	−16 16.9	...	−16 9.0
10	+ 7.9	+16 16.9	...	+16 24.8
11	+ 6.7	.. ....	0.0	+ 6.7
16	+12 9.4	−16 36.4	...	− 4 27.0
20	+ 0.1	.. ....	...	+ 0.1
33	+ 7.9	−16 18.9	...	−16 11.0
34	+ 7.9	+16 19.0	...	+16 26.9
35	+ 6.8	.. ....	0.0	+ 6.8

No.	Date, Observer, and Object.	Th ls.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	8 Monocerotis	9	19 51.40	+ 0.51	−48.32	34 11 53.40	46.378	− 0.58	+ 41.9	6 19 3.58	.....	+ 4 38 25.7	....
2	ζ Geminorum	9	59 38.18	+ 0.43	−48.32	18 7 53.70	47.982	− 0.45	+ 20.3	6 58 50.26	.....	+20 42 10.2	....
3	λ Geminorum	9	13 47.03	+ 0.45	−48.34	22 7 53.65	47.720	− 0.41	+ 25.2	7 12 59.12	.....	+16 42 11.3	....
4	δ Geminorum	9	15 36.86	+ 0.42	−48.32	16 41 51.95	46.230	− 0.40	+ 18.6	7 14 48.92	.....	+22 8 53.6	....
5	ι Geminorum	9	21 0.45	+ 0.39	−48.37	10 51 51.48	47.310	− 0.39	+ 11.9	7 20 12.48	.....	+27 58 36.1	....
6	Neptune C, C	9	30 29.78	+ 0.43	−48.36	17 39 53.25	44.212	− 0.36	+ 19.7	7 29 41.85	.....	+21 11 37.3	....
7	Moon II, S	9	36 0.54	+ 0.41	−48.37	12 59 50.30	45.618	− 0.34	+ 14.3	7 35 12.58	−76.76	+25 51 11.9	....
8	β Geminorum	9	40 40.72	+ 0.39	−48.40	10 35 50.48	47.470	− 0.32	+ 11.6	7 39 52.74	.....	+28 14 33.7	....
9	φ Geminorum	9	48 51.46	+ 0.40	−48.34	11 49 51.90	49.135	− 0.30	+ 13.0	7 48 3.49	.....	+26 59 52.8	....
	December 19, P.												
10	ζ Hydræ	9	51 30.83	+ 0.40	−49.65	32 33 52.25	44.557	+ 0.12	+ 37.6	8 50 41.58	.....	+ 6 17 12.1	....
11	83 Cancri	9	14 50.39	+ 0.35	−49.68	20 45 51.40	45.708	+ 0.12	+ 22.4	9 14 1.08	.....	+18 5 1.6	....
12	ξ Leonis	9	27 58.31	+ 0.38	−49.68	27 7 51.72	48.768	+ 0.12	+ 30.2	9 27 9.02	.....	+11 41 43.8	....
13	Moon II, S	9	41 11.18	+ 0.35	−49.67	19 55 51.48	44.846	+ 0.12	+ 21.4	9 40 21.86	−70.19	+18 55 22.4	....
14	μ Leonis	9	48 31.63	+ 0.31	−49.70	12 25 48.92	44.752	+ 0.12	+ 13.0	9 47 42.26	.....	+26 25 35.5	....
15	η Leonis	9	3 18.14	+ 0.35	−49.77	21 37 51.82	48.738	+ 0.12	+ 23.4	10 2 28.81	.....	+17 11 51.1	....
16	λ Hydræ	8	7 3.90	+ 0.47	−49.67	50 43 51.22	47.960	+ 0.12	+1 12.1	10 6 14.69	.....	−11 54 39.1	....
17	α Crateris	9	56 14.82	+ 0.49	−49.68	56 37 51.50	48.858	+ 0.12	+1 29.4	10 55 25.60	.....	−17 49 17.2	....
18	δ Leonis	9	10 11.49	+ 0.34	−49.64	17 49 49.75	46.837	+ 0.12	+ 19.0	11 9 22.12	.....	+21 0 41.1	....
19	δ Crateris	9	15 41.95	+ 0.48	−49.73	53 7 51.12	44.982	+ 0.12	+1 18.4	11 14 52.72	.....	−14 17 37.2	....
20	B. D. −5°3268	9	19 44.59	+ 0.45	−49.72	45 3 51.58	52.250	+ 0.12	+ 59.1	11 18 55.32	− 2.34	− 6 16 4.7	+10.7
21	B. D. −5°3274	9	20 22.84	+ 0.45	−49.72	45 3 51.58	45.970	+ 0.12	+ 59.0	11 19 33.57	− 2.34	− 6 13 40.7	+10.8
22	39 H. Cephei s. p.	9	28 21.06	+ 5.49	−49.72	305 41 49.95	45.747	+ 0.12	−1 21.4	23 27 36.83	.....	+86 49 13.7	....
23	γ Corvi	9	12 1.81	+ 0.49	−49.77	55 51 52.72	47.338	+ 0.12	+1 26.7	12 11 12.56	.....	−17 2 40.9	....
24	δ Corvi	9	26 3.48	+ 0.48	−49.67	54 49 51.62	48.415	+ 0.12	+1 23.5	12 25 14.21	.....	−16 1 1.3	....
	December 20, P.												
25	γ Orionis	9	21 11.60	+ 0.43	−50.14	32 33 49.70	46.982	− 0.06	+ 38.8	5 20 21.84	.....	+ 6 16 18.3	....
26	δ Orionis	9	28 17.81	+ 0.46	−50.19	39 11 51.48	46.670	− 0.04	+ 49.5	5 27 28.08	.....	− 0 21 47.2	....
27	ζ Orionis	9	37 6.40	+ 0.46	−50.25	40 49 50.78	45.171	− 0.01	+ 52.4	5 36 16.66	.....	− 1 59 15.1	....
28	κ Orionis	9	44 22.49	+ 0.49	−50.25	48 31 51.82	46.250	+ 0.02	+1 8.6	5 43 32.78	.....	− 9 41 57.0	....
29	α Orionis	9	51 11.56	+ 0.42	−50.27	31 27 50.80	43.670	+ 0.04	+ 37.1	5 50 21.78	.....	+ 7 23 34.4	....
30	8 Monocerotis	9	19 53.38	+ 0.44	−50.18	34 11 50.82	46.490	+ 0.13	+ 41.3	6 19 3.60	.....	+ 4 38 25.6	....
31	ζ Geminorum	9	59 40.21	+ 0.36	−50.22	18 7 50.38	48.095	+ 0.28	+ 20.0	6 58 50.34	.....	+20 42 10.5	....
32	δ Geminorum	9	15 38.86	+ 0.35	−50.19	16 41 49.05	46.310	+ 0.34	+ 18.3	7 14 48.97	.....	+22 8 54.3	....
33	ι Geminorum	9	21 2.42	+ 0.32	−50.19	10 51 49.20	47.385	+ 0.36	+ 11.8	7 20 12.50	.....	+27 58 36.0	....
34	Neptune C, C	9	30 12.46	+ 0.36	−50.25	17 37 49.35	47.780	+ 0.39	+ 19.4	7 29 22.57	.....	+21 12 19.2	....
35	β Geminorum	9	40 42.71	+ 0.32	−50.24	10 35 46.82	47.612	+ 0.43	+ 11.5	7 39 52.78	.....	+28 14 33.4	....
36	φ Geminorum	9	48 53.54	+ 0.32	−50.26	11 49 47.82	49.278	+ 0.45	+ 12.8	7 48 3.60	.....	+26 59 53.1	....
	December 20, L.												
37	ζ Leonis	9	12 34.46	+ 0.40	−50.37	14 59 50.68	44.277	+ 0.60	+ 16.4	10 11 44.48	.....	+23 51 40.8	....
38	ρ Leonis	9	28 57.23	+ 0.48	−50.40	29 3 53.28	47.945	+ 0.60	+ 34.0	10 28 7.32	.....	+ 9 45 56.9	....
39	Moon II, S	9	35 26.53	+ 0.47	−50.39	25 3 52.02	45.956	+ 0.60	+ 28.6	10 34 36.61	−66.92	+13 46 48.8	....
40	41 Leonis Minoris	9	39 24.47	+ 0.41	−50.36	15 11 50.48	45.352	+ 0.60	+ 16.6	10 38 34.49	.....	+23 39 16.2	....
41	l Leonis	9	45 24.35	+ 0.48	−50.35	27 49 50.98	45.225	+ 0.60	+ 32.3	10 44 34.44	.....	+11 1 2.9	....
42	d Leonis	9	56 47.32	+ 0.51	−50.41	34 43 51.52	48.002	+ 0.60	+ 42.4	10 55 57.43	.....	+ 4 5 48.8	....
43	δ Crateris	9	15 42.62	+ 0.60	−50.49	53 7 51.52	44.792	+ 0.60	+1 21.4	11 14 52.81	.....	−14 17 36.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
17 6 20	30.022	23.1	23.4
7 0	......	....	22.2
7 16	......	....	21.9
7 49	30.020	22.1	21.7
19 8 48	29.127	32.0	31.0
9 18	......	....	30.3
9 42	29.118	31.0	30.0
10 18	......	....	29.3
10 25	29.105	30.1	....
10 59	......	....	30.1
11 32	29.121	30.8	31.0
12 14	......	....	31.1
12 28	29.140	31.1	31.0
20 5 19	29.342	22.0	20.0
5 42	......	....	20.0
5 53	......	....	20.1
6 21	29.328	21.2	19.3
6 58	......	....	18.8
7 25	29.347	20.0	18.5
7 51	29.344	19.3	18.0
10 13	29.384	17.3	17.0
10 40	......	....	18.0
10 57	...	...	18.0

Micrometer bisections are made at II, VI, except as noted below.

6, 17, 23, 24, 27, 34.	Bisections at I, II, VI, VII.
7.	Bisections at I, II, III.
10, 12, 18, 19, 25, 31, 33, 36, 37.	Bisections at II, VI, VII.
11, 20, 43.	Bisections at I, II.
13, 39.	Bisections at II, III, IV, V, VI.
21, 38.	Bisections at VI, VII.
22.	Bisections at b_4, b_5, b_6.

Note.
16. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 0.1	.. ....	...	+ 0.1
7	+13 23.5	+16 25.4	0.0	+29 48.9
13	+19 43.6	+15 54.6	...	+35 38.2
34	+ 0.1	.. ....	...	+ 0.1
39	+24 8.2	+15 38.3	...	+39 46.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	B. D. −5°3268	5	19 45.30	+ 0.56	−50.41	45 3 52.92	52.060	+ 0.60	+1 1.3	11 18 55.45	− 2.37	− 6 16 4.4	+10.9
2	B. D. −5°3274	8	20 23.45	+ 0.56	−50.41	45 3 52.92	45.755	+ 0.60	+1 1.2	11 19 33.60	− 2.37	− 6 13 39.8	+11.0
3	ζ Crateris	9	41 4.07	+ 0.62	−50.42	56 39 49.28	48.422	+ 0.60	+1 32.9	11 40 14.27	.....	−17 51 8.9	....
4	ε Corvi	.	.. ..	.....	.....	60 55 52.12	47.842	+ 0.60	+1 49.8	12 5	.....	−22 7 15.4	....
5	γ Corvi	9	12 2.44	+ 0.62	**−50.49**	55 51 52.35	47.164	+ 0.60	+1 30.1	12 11 12.63	.....	−17 2 40.5	....
6	δ Corvi	9	26 4.12	+ 0.61	**−50.40**	54 49 51.08	48.242	+ 0.60	+1 26.8	12 25 14.29	.....	−16 1 0.5	....
7	β Corvi	9	30 31.17	+ 0.65	−50.44	61 43 51.70	44.559	+ 0.60	+1 53.6	12 29 41.38	.....	−22 54 3.8	....
8	α Ursæ Minoris S. P.	9	27 58.67	+16.82	−50.47	307 41 50.98	48.003	+ 0.60	−1 18.8	1 27 25.02	.....	+88 50 9.1	....
	December 21, L.												
9	Sun I, S.	9	55 11.19	+ 0.66	−50.56	62 31 52.58	47.693	+ 0.54	+1 56.3	17 54 21.29	+71.25	−23 43 19.1	....
10	Sun II, N.	7	57 33.69	+ 0.66	−50.56	61 59 51.92	46.350	+ 0.54	+1 53.8	17 56 43.79	−71.25	−23 10 44.9	....
11	Mercury C, C.	9	22 12.05	+ 0.66	−50.60	62 49 53.22	46.555	+ 0.40	+1 57.5	19 21 22.11	+ 0.06	−24 0 54.6	....
12	γ Orionis	9	21 12.23	+ 0.52	**−50.85**	32 33 51.28	46.920	+ 0.36	+ 39.5	5 20 21.92	.....	+ 6 16 16.9	....
13	δ Orionis	9	28 18.37	+ 0.56	**−50.84**	39 11 53.72	46.532	+ 0.36	+ 50.4	5 27 28.09	.....	− 0 21 47.5	....
14	ζ Orionis	9	37 6.92	+ 0.56	**−50.85**	40 49 52.12	45.058	+ 0.36	+ 53.4	5 36 16.64	.....	− 1 59 15.3	....
15	κ Orionis	9	44 22.96	+ 0.60	**−50.81**	48 31 53.50	46.135	+ 0.36	+1 9.9	5 43 32.71	.....	− 9 41 57.7	....
16	α Orionis	9	51 12.04	+ 0.52	**−50.84**	31 27 51.75	43.628	+ 0.36	+ 37.8	5 50 21.71	.....	+ 7 23 33.4	....
17	8 Monocerotis	9	19 54.01	+ 0.53	**−50.88**	34 11 51.55	46.425	+ 0.36	+ 42.0	6 19 3.68	.....	+ 4 38 25.5	....
	December 22, M.												
18	Sun I, N.	9	59 38.11	+ 0.70	−51.11	61 59 54.38	46.778	+ 0.12	+1 55.3	17 58 47.70	+71.31	−23 10 58.6	....
19	Sun II, S.	9	2 0.73	+ 0.70	−51.11	62 31 54.15	48.283	+ 0.12	+1 58.0	18 1 10.32	−71.31	−23 43 35.1	....
20	Mercury I, C.	9	27 21.47	+ 0.70	−51.14	62 33 53.42	43.889	− 0.21	+1 57.5	19 26 31.03	+ 0.23	−23 43 53.2	....
21	30 H. Camelopardalis S. P.	9	21 13.27	+ 3.01	−51.26	301 53 52.18	44.530	− 0.82	−1 37.5	10 20 25.02	−13.19	+83 0 31.1	+29.2
22	α Pegasi	9	1 9.13	+ 0.50	**−51.30**	24 7 53.40	44.150	− 0.82	+ 27.5	23 0 18.35	.....	+14 43 31.2	....
23	c^2 Aquarii	9	5 31.81	+ 0.67	−51.28	60 29 53.22	43.528	− 0.82	+1 48.0	23 4 41.20	.....	−21 39 34.7	....
24	γ Piscium	9	13 22.71	+ 0.55	**−51.29**	36 3 54.05	43.065	− 0.82	+ 44.7	23 12 31.98	.....	+ 2 47 38.2	....
25	b^1 Aquarii	9	19 7.58	+ 0.66	−51.29	59 25 52.82	43.350	− 0.82	+1 43.6	23 18 16.95	− 2.16	−20 35 25.9	− 6.1
26	39 H. Cephei	9	28 33.06	− 4.73	−51.29	312 3 52.28	43.818	− 0.82	−1 7.7	23 27 37.04	.....	+86 49 15.1	....
27	ω^2 Aquarii	9	38 56.36	+ 0.64	−51.30	53 51 53.28	46.788	− 0.82	+1 24.0	23 38 5.70	.....	−15 2 25.5	....
28	ι^1 Aquarii	9	40 25.07	+ 0.65	**−51.35**	57 35 53.65	46.382	− 0.82	+1 36.5	23 39 34.42	.....	−18 46 28.9	....
29	δ Sculptoris	9	45 7.46	+ 0.70	−51.30	67 25 54.52	47.140	− 0.82	+2 27.1	23 44 16.86	.....	−28 37 37.7	....
30	2 Ceti	9	0 0.88	+ 0.65	**−51.35**	56 39 52.15	45.552	− 0.82	+1 33.2	23 59 10.22	.....	−17 50 5.3	....
31	33 Piscium	9	1 36.77	+ 0.60	**−51.32**	45 1 53.50	47.905	− 0.82	+1 1.5	0 0 46.06	.....	− 6 12 28.6	....
	December 22, P.												
32	λ Hydræ	9	7 5.85	+ 0.58	**−51.63**	50 43 52.42	47.845	− 0.52	+1 15.2	10 6 14.81	.....	−11 54 40.1	....
33	μ Hydræ	9	22 37.89	+ 0.60	**−51.62**	55 11 52.38	47.373	− 0.52	+1 28.4	10 21 46.86	.....	−16 22 42.5	....
34	*l* Leonis	9	45 25.66	+ 0.46	**−51.57**	27 49 50.28	45.338	− 0.52	+ 32.5	10 44 34.48	.....	+11 1 1.9	....
35	*d* Leonis	8	56 48.59	+ 0.50	**−51.61**	34 43 51.90	48.030	− 0.52	+ 42.6	10 55 57.44	.....	+ 4 5 48.6	....
36	π Virginis	8	57 9.18	+ 0.48	**−51.65**	31 43 50.92	46.008	− 0.52	+ 38.0	11 56 17.99	.....	+ 7 6 40.5	....
37	Moon S.	.	.. ..	.....	.....	36 33 51.65	46.458	− 0.52	+ 45.5	12 9	.....	+ 2 16 21.9	....
	December 24, P.												
38	*d* Leonis	9	56 50.02	+ 0.45	**−52.92**	34 43 49.15	48.160	+ 0.38	+ 42.1	10 55 57.56	.....	+ 4 5 48.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 11 22	......	....	18.1
11 42	29.424	18.9	17.9
12 7	......	....	18.2
12 31	29.456	18.1	17.7
13 28	29.490	18.0	17.9
21 17 58	29.585	25.2	24.3
19 22	29.606	26.7	25.8
5 22	29.908	21.1	20.6
5 35	......	....	20.4
5 50	......	....	20.4
6 20	29.932	21.2	20.8
22 18 2	30.170	27.5	27.1
19 27	30.160	29.6	28.8
22 21	30.170	30.3	29.6
23 1	......	....	28.2
23 13	30.160	28.4	....
23 29	......	....	27.8
23 45	......	....	27.4
0 2	30.156	27.6	27.4
10 5	30.084	26.0	25.5
10 27	......	....	25.6
10 50	......	....	25.8
12 2	30.078	27.0	26.6
12 12	30.082	27.1	27.0
24 10 55	29.844	29.0	28.0

Micrometer bisections are made at II, VI, except as noted below.

1, 27, 30.	Bisections at I, II.
2.	Bisections at VI, VII.
3–7, 11, 20, 34, 36.	Bisections at I, II, VI, VII.
8.	Bisections at b_3, b_4, b_5, b_6, b_7.
9, 18.	Bisections at I, II, III.
10, 19.	Bisections at V, VI, VII.
21, 26.	Bisections at b_4, b_5, b_6.
33.	Bisections at I, II, VI.
35.	Bisection at II.
37.	Bisections at II, III, IV, V, VI.

Notes.

1, 2.	Very faint.
4, 32–36, 38.	Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 7.9	+16 17.1	...	+16 25.0
10	+ 7.9	−16 17.1	...	−16 9.2
11	+ 7.3	.. ....	0.0	+ 7.3
18	+ 7.9	−16 18.3	...	−16 10.4
19	+ 7.9	+16 18.2	...	+16 26.1
20	+ 7.4	.. ....	+0.1	+ 7.5
37	+32 58.8	+15 10.1	...	+48 8.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Leonis	9	10 26.51	+ 0.40	**−52.97**	22 55 50.95	45.740	+ 0.38	+ 25.7	11 9 33.99	.....	+15 54 58.0	....
2	τ Leonis	9	24 13.58	+ 0.46	**−52.89**	35 29 50.88	45.271	+ 0.38	+ 43.3	11 23 21.12	.....	+ 3 20 51.2	....
3	υ Leonis	9	33 15.37	+ 0.47	**−52.89**	39 9 51.78	46.818	+ 0.38	+ 49.4	11 32 22.91	.....	− 0 19 51.2	....
4	β Virginis	9	46 55.47	+ 0.46	**−52.99**	36 33 52.58	47.246	+ 0.38	+ 45.0	11 46 3.00	.....	+ 2 16 2.7	....
5	γ Corvi	9	12 5.09	+ 0.55	**−52.93**	55 51 52.10	47.298	+ 0.38	+1 29.5	12 11 12.70	.....	−17 2 42.5	....
6	θ Virginis	9	6 11.70	+ 0.50	**−52.93**	43 53 51.38	46.220	+ 0.38	+ 58.6	13 5 19.23	.....	− 5 3 46.3	....
7	α Ursæ Minoris s. p.	9	27 58.11	+16.14	−52.98	307 41 50.52	47.998	+ 0.38	−1 18.4	1 27 21.27	.....	+88 50 8.9	....
8	Moon II, S.	9	41 21.00	+ 0.52	−52.98	47 57 53.60	46.764	+ 0.38	+1 7.7	13 40 28.54	−61.95	− 9 8 10.1	....
	December 26, P.												
9	γ Orionis	9	21 15.48	+ 0.47	**−54.01**	32 33 52.05	46.965	+ 0.46	+ 38.4	5 20 21.92	.....	+ 6 16 16.1	....
10	δ Orionis	9	28 21.65	+ 0.50	**−54.02**	39 11 52.88	46.665	+ 0.46	+ 49.0	5 27 28.12	.....	− 0 21 48.5	....
11	ζ Orionis	9	37 10.19	+ 0.50	**−54.02**	40 49 50.65	45.240	+ 0.46	+ 51.9	5 36 16.66	.....	− 1 59 16.5	....
12	κ Orionis	9	44 26.30	+ 0.54	**−54.05**	48 31 53.05	46.288	+ 0.46	+1 8.0	5 43 32.80	.....	− 9 41 59.0	....
13	α Orionis	9	51 15.29	+ 0.46	**−53.97**	31 27 51.60	43.705	+ 0.46	+ 36.8	5 50 21.71	.....	+ 7 23 32.8	....
14	8 Monocerotis	9	19 57.25	+ 0.48	**−54.01**	34 11 52.20	46.490	+ 0.46	+ 41.0	6 19 3.68	.....	+ 4 38 24.2	....
15	ξ Geminorum	9	41 11.82	+ 0.44	**−53.99**	25 51 51.25	43.855	+ 0.46	+ 29.2	6 40 18.20	.....	+12 59 37.2	....
16	ζ Geminorum	9	59 44.14	+ 0.40	**−54.07**	18 7 51.42	48.040	+ 0.46	+ 19.7	6 58 50.47	.....	+20 42 10.8	....
17	δ Geminorum	9	15 42.79	+ 0.39	**−54.03**	16 41 49.95	46.305	+ 0.46	+ 18.1	7 14 49.10	.....	+22 8 53.5	....
18	ι Geminorum	9	21 6.39	+ 0.36	**−54.07**	10 51 49.32	47.375	+ 0.46	+ 11.6	7 20 12.67	.....	+27 58 36.2	....
19	Neptune C, C	9	29 36.24	+ 0.39	−54.08	17 37 51.68	43.904	+ 0.46	+ 19.1	7 28 42.55	.....	+21 13 45.7	....
20	κ Geminorum	9	39 58.86	+ 0.38	**−54.05**	14 13 49.90	46.705	+ 0.46	+ 15.3	7 39 5.15	.....	+24 36 47.3	....
21	α Crateris	9	56 19.56	+ 0.56	**−54.26**	56 37 51.42	48.843	+ 0.33	+1 31.5	10 55 25.94	.....	−17 49 19.0	....
22	δ Crateris	8	15 46.64	+ 0.55	**−54.26**	53 7 51.62	44.944	+ 0.33	+1 20.4	11 14 53.00	.....	−14 17 39.1	....
23	B. D.—5°3268	7	19 49.27	+ 0.52	−54.19	45 3 52.25	52.175	+ 0.33	+1 0.6	11 18 55.60	− 2.58	− 6 16 5.3	+12.1
24	B. D.—5°3274	9	20 27.42	+ 0.51	−54.19	45 3 52.25	45.958	+ 0.33	+1 0.5	11 19 33.74	− 2.57	− 6 13 42.8	+12.2
25	γ Corvi	9	12 6.51	+ 0.56	**−54.30**	55 51 52.40	47.314	+ 0.33	+1 29.2	12 11 12.86	.....	−17 2 42.8	....
26	δ Corvi	9	26 8.26	+ 0.55	**−54.28**	54 49 51.40	48.351	+ 0.33	+1 25.8	12 25 14.59	.....	−16 1 2.1	....
27	α Virginis	9	21 22.67	+ 0.53	**−54.25**	49 31 51.80	45.578	+ 0.33	+1 10.9	13 20 28.96	.....	−10 41 44.3	....
28	α Ursæ Minoris s. p.	8	27 58.15	+15.56	−54.25	307 41 51.35	47.927	+ 0.33	−1 17.9	1 27 19.46	.....	+88 50 8.6	....
29	Moon II	9	13 21.57	+ 0.58	−54.35	57 36	......	....	. ....	15 12 27.80	−64.09	.. ..	....
	December 27, P.												
30	Sun I, N	9	21 54.44	+ 0.58	−54.43	61 53 55.82	47.197	+ 0.45	+1 50.3	18 21 0.59	+71.24	−23 5 4.9	....
31	Sun II, S	9	24 16.92	+ 0.58	−54.43	62 25 53.78	48.762	+ 0.45	+1 52.9	18 23 23.07	−71.24	−23 37 40.9	....
32	Mercury I, C	9	47 43.39	+ 0.54	−54.47	60 55 53,72	48.429	− 0.21	+1 45.7	19 46 49.46	+ 0.26	−22 7 25.5	....
	December 27, L.												
33	α Crateris	9	56 20.37	+ 0.52	**−54.99**	56 37 53.52	48.692	+ 0.24	+1 31.6	10 55 25.90	.....	−17 49 17.7	....
34	δ Crateris	9	15 47.48	+ 0.51	**−55.02**	53 7 52.72	44.874	+ 0.24	+1 20.5	11 14 52.99	.....	−14 17 38.6	....
35	39 H. Cephei s. p.	9	28 23.50	+ 5.68	−55.01	305 41 51.05	45.828	+ 0.24	−1 23.6	23 27 34.17	.....	+86 49 14.6	....
36	ε Corvi	9	6 26.37	+ 0.54	−55.03	60 55 54.28	47.906	+ 0.24	+1 48.5	12 5 31.88	.....	−22 7 17.4	....
37	γ Corvi	9	12 7.35	+ 0.52	**−55.06**	55 51 53.32	47.260	+ 0.24	+1 29.0	12 11 12.84	.....	−17 2 42.2	....
38	δ Corvi	9	26 9.04	+ 0.52	**−54.99**	54 49 52.60	48.311	+ 0.24	+1 25.7	12 25 14.52	.....	−16 1 2.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 11 27	......	....	28.1
11 49	29.866	28.9	28.0
12 15	......	....	27.9
13 4	29.908	27.8	27.0
13 32	......	....	26.9
13 42	29.924	27.2	26.7
26 5 19	29.821	31.5	32.8
5 41	......	....	32.0
5 54	......	....	31.7
6 21	29.820	30.8	30.8
6 44	......	....	32.0
7 2	......	....	33.0
7 25	......	....	32.6
7 42	29.826	31.2	32.7
10 54	29.848	31.0	31.0
11 23	......	....	30.2
12 14	......	....	29.1
12 28	29.874	29.8	30.0
13 19	......	....	30.2
13 32	29.898	29.8	29.2
27 18 24	29.946	41.7	42.3
19 48	29.950	43.5	44.0
10 57	29.902	32.1	31.0
11 23	......	....	30.7
12 7	29.900	32.1	30.7
12 27			30.5
13 16	29.890	32.7	....

Micrometer bisections are made at II, VI, except as noted below.

2–5, 19, 22, 25–27, 32–34, 36–38.	Bisections at I, II, VI, VII.
7, 28.	Bisections at b_4, b_5, b_6.
8.	Bisections at II, III, IV, V, VI.
13, 24.	Bisections at VI, VII.
21.	Bisections at II, VI, VII.
23.	Bisections at I, II.
30.	Bisections at I, II, III.
31.	Bisections at V, VI, VII.
35.	Bisections at b_4, b_6.

Note.
1-4. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+40 20.4	+14 52.1	...	+55 12.5
19	+ 0.1	.. ....	...	+ 0.1
30	+ 7.9	−16 18.0	...	−16 10.1
31	+ 7.9	+16 18.0	...	+16 25.9
32	+ 8.3	.. ....	+0.2	+ 8.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 29, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	30 48.35	+ 0.36	−55.74	62 21 52.60	44.665	− 0.46	+1 48.9	18 29 52.97	+71.12	−23 32 1.5	....
2	Sun II, N.	9	33 10.59	+ 0.36	−55.74	61 49 49.78	43.508	− 0.46	+1 46.4	18 32 15.21	−71.12	−22 59 29.5	....
3	α Ursæ Minoris	8	28 25.90	−11.82	−55.91	310 1 52.48	46.660	− 1.84	−1 6.9	1 27 18.17	.....	+88 50 10.1	....
4	τ Ceti	9	40 51.48	+ 0.29	−55.93	55 13 51.32	47.282	− 1.84	+1 21.2	1 39 55.85	.....	−16 24 30.8	....
5	ζ Ceti	9	47 59.54	+ 0.28	−55.96	49 35 53.32	48.076	− 1.84	+1 6.3	1 47 3.90	.....	−10 46 36.1	....
6	υ Ceti	9	56 44.34	+ 0.29	−55.93	60 19 51.70	46.968	− 1.84	+1 38.9	1 55 48.70	.....	−21 30 41.7	....
7	τ^2 Eridani	9	47 56.04	+ 0.29	−55.95	60 11 51.68	46.152	− 1.84	+1 38.4	2 47 0.38	.....	−21 22 22.5	....
8	η Eridani	9	53 0.58	+ 0.28	−55.96	48 5 53.28	44.565	− 1.84	+1 2.9	2 52 4.91	.....	− 9 15 12.4	....
9	α Ceti	9	58 33.28	+ 0.25	−55.93	35 5 51.75	46.565	− 1.84	+ 39.7	2 57 37.57	.....	+ 3 44 26.6	....
10	δ Arietis	8	7 27.96	+ 0.21	−55.93	19 27 50.98	44.678	− 1.84	+ 20.0	3 6 32.21	.....	+19 23 30.0	....
	December 31, P.												
11	Sun I, S.	9	39 41.31	+ 0.60	−57.07	62 13 56.05	45.388	− 0.53	+1 57.0	18 38 44.84	+71.08	−23 24 29.5	....
12	Sun II, N.	9	42 3.48	+ 0.60	−57.07	61 41 57.40	43.948	− 0.53	+1 54.5	18 41 7.01	−71.09	−22 51 55.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 18 33	29 656	50.3	53.2
1 28	29.538	55.3	57.3
1 57	29.538	58.2	57.6
2 48	......	....	56.8
3 7	29.506	57.4	55.9
31 18 42	30.400	30.3	27.9

Micrometer bisections are made at II, VI, except as noted below.

1. Bisections at II, III.
2. Bisections at V, VI.
3. Bisections at b_4, b_5, b_6.
4–7. Bisections at I, II, VI, VII.
10. Bisections at I, II, VI.
11. Bisections at I, II, III.
12. Bisections at V, VI, VII.

Notes.

3. Clouds; unsteady.
10. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.9	+16 16.0	...	+16 23.9
2	+ 7.9	−16 16.0	...	−16 8.1
11	+ 7.9	+16 17.2	...	+16 25.1
12	+ 7.9	−16 17.1	...	−16 9.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 4, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N.	9	57 23.70	+ 0.67	−59.77	61 19 55.18	47.918	− 0.28	+1 52.1	18 56 24.60	+70.98	−22 31 21.8	....
2	Sun II, S.	9	59 45.66	+ 0.67	−59.77	61 51 56.82	49.332	− 0.28	+1 54.8	18 58 46.56	−70.98	−23 3 58.2	....
3	Moon I.	9	21 14.39	+ 0.65	−59.88	55 10	......	....	. ....	22 20 15.16	+66.24	.. ..	....
4	6 B. Ursæ Minoris s. p.	7	15 32.53	+12.96	−59.89	307 3 52.50	45.995	− 0.84	−1 20.8	12 14 45.60	.....	+88 11 21.2	....
5	ι Ceti.	9	15 52.16	+ 0.59	**−59.93**	48 9 56.30	44.090	− 0.84	+1 8.5	0 14 52.86	.....	− 9 19 11.2	....
6	12 Ceti.	9	26 28.35	+ 0.56	**−59.88**	43 17 55.80	44.265	− 0.84	+ 57.9	0 25 29.01	.....	− 4 27 4.1	....
7	β Ceti.	9	40 6.18	+ 0.64	**−60.03**	57 17 55.75	46.890	− 0.84	+1 35.6	0 39 6.91	.....	−18 28 41.7	....
8	20 Ceti.	9	49 26.29	+ 0.55	**−60.00**	40 27 54.92	46.312	− 0.84	+ 52.4	0 48 26.93	.....	− 1 37 44.5	....
9	θ Ceti.	9	20 33.42	+ 0.58	**−59.94**	47 27 55.92	48.035	− 0.84	+1 7.1	1 19 34.08	.....	− 8 38 39.6	....
10	α Ursæ Minoris.	7	28 27.93	−17.88	−59.93	310 1 53.38	46.907	− 0.84	−1 12.9	1 27 10.12	.....	+88 50 8.6	....
11	γ Orionis.	9	21 21.45	+ 0.56	**−60.03**	32 33 53.00	46.900	+ 0.62	+ 39.5	5 20 21.97	.....	+ 6 16 15.4	....
12	δ Orionis.	9	28 27.63	+ 0.59	**−60.05**	39 11 54.75	46.535	+ 0.62	+ 50.4	5 27 28.18	.....	− 0 21 48.9	....
13	ζ Orionis.	9	37 16.13	+ 0.59	**−60.00**	40 49 54.02	45.040	+ 0.62	+ 53.4	5 36 16.68	.....	− 1 59 16.9	....
14	κ Orionis.	9	44 32.27	+ 0.63	**−60.06**	48 31 55.02	46.140	+ 0.62	+1 10.0	5 43 32.85	.....	− 9 41 59.6	....
15	α Orionis.	9	51 21.34	+ 0.55	**−60.04**	31 27 53.60	43.568	+ 0.62	+ 37.8	5 50 21.84	.....	+ 7 23 32.6	....
16	8 Monocerotis.	9	20 3.23	+ 0.56	**−59.98**	34 11 54.12	46.358	+ 0.62	+ 42.0	6 19 3.73	.....	+ 4 38 24.2	....
17	S Monocerotis.	9	37 4.82	+ 0.54	**−60.06**	28 51 53.75	45.668	+ 0.62	+ 34.1	6 36 5.29	.....	+ 9 58 48.2	....
18	ζ Geminorum.	9	59 50.20	+ 0.48	**−60.07**	18 7 54.40	47.910	+ 0.62	+ 20.3	6 58 50.60	.....	+20 42 10.1	....
19	δ Geminorum.	9	15 48.89	+ 0.47	**−60.05**	16 41 53.48	46.112	+ 0.62	+ 18.6	7 14 49.27	.....	+22 8 53.8	....
20	ι Geminorum.	9	21 12.45	+ 0.43	**−60.03**	10 51 52.82	47.205	+ 0.62	+ 11.9	7 20 12.79	.....	+27 58 36.3	....
21	Neptune C, C.	9	28 39.10	+ 0.48	−60.09	17 33 53.25	48.315	+ 0.62	+ 19.6	7 27 39.49	.....	+21 16 2.6	....
22	β Geminorum.	9	40 52.79	+ 0.43	**−60.09**	10 35 53.42	47.275	+ 0.62	+ 11.6	7 39 53.12	.....	+28 14 34.2	....
	January 5, M.												
23	Sun I, N.	9	1 48.17	+ 0.74	−60.34	61 13 56.45	47.300	+ 0.03	+1 50.0	19 0 48.57	+70.92	−22 25 7.1	....
24	Sun II, S.	9	4 10.01	+ 0.74	−60.34	61 45 55.60	48.697	+ 0.03	+1 52.5	19 3 10.41	−70.92	−22 57 40.5	....
25	Moon I.	9	11 34.77	+ 0.66	−60.45	49 38	......	....	. ....	23 10 34.98	+65.42	.. ..	....
26	ι Ceti.	9	15 52.67	+ 0.64	**[−60.50]**	48 9 55.90	44.186	− 0.55	+1 8.0	0 14 52.80	.....	− 9 19 12.7	....
27	β Ceti.	9	40 6.63	+ 0.68	**−60.53**	57 17 55.92	46.965	− 0.55	+1 34.9	0 39 6.79	.....	−18 28 43.2	....
28	α Sculptoris.	9	55 18.59	+ 0.74	−60.53	68 39 55.92	43.892	− 0.55	+2 35.4	0 54 18.80	.....	−29 50 33.4	....
29	η Ceti.	9	5 6.19	+ 0.65	−60.53	49 29 56.05	44.468	− 0.55	+1 11.4	1 4 6.31	.....	−10 39 22.8	....
30	θ Ceti.	9	20 33.99	+ 0.64	**−60.58**	47 27 56.72	48.078	− 0.55	+1 6.6	1 19 34.09	.....	− 8 38 40.9	....
31	α Ursæ Minoris.	7	28 27.36	−13.88	−60.54	310 1 51.98	46.888	− 0.55	−1 12.4	1 27 12.94	.....	+88 50 9.6	....
32	τ Ceti.	9	40 55.71	+ 0.67	**−60.62**	55 13 55.45	46.765	− 0.55	+1 28.0	1 39 55.83	.....	−16 24 31.2	....
33	ζ Ceti.	9	48 3.73	+ 0.65	**−60.59**	49 35 56.58	47.640	− 0.55	+1 11.9	1 47 3.83	.....	−10 46 36.3	....
34	γ Orionis.	9	21 22.02	+ 0.55	**−60.59**	32 33 53.72	46.940	− 0.55	+ 39.3	5 20 21.92	.....	+ 6 16 15.1	....
35	δ Orionis.	9	28 28.23	+ 0.58	**−60.64**	39 11 55.90	46.595	− 0.55	+ 50.1	5 27 28.15	.....	− 0 21 49.9	....
36	ζ Orionis.	9	37 16.76	+ 0.59	**−60.63**	40 49 54.80	45.110	− 0.55	+ 53.1	5 36 16.69	.....	− 1 59 17.9	....
37	κ Orionis.	9	44 32.86	+ 0.62	**−60.64**	48 31 55.58	46.242	− 0.55	+1 9.5	5 43 32.82	.....	− 9 42 0.9	....
38	α Orionis.	9	51 21.95	+ 0.54	**−60.64**	31 27 55.82	43.582	− 0.55	+ 37.6	5 50 21.82	.....	+ 7 23 31.5	....
	January 6, P.												
39	Sun I, N.	9	6 12.78	+ 0.66	−61.05	61 7 56.12	45.487	+ 0.29	+1 47.4	19 5 12.39	+70.85	−22 18 23.0	....
40	Sun II, S.	9	8 34.48	+ 0.66	−61.05	61 39 56.78	46.822	+ 0.29	+1 49.9	19 7 34.09	−70.85	−22 50 56.5	....
41	Moon I, S.	9	1 4.51	+ 0.48	−61.16	43 47 49.58	48.527	− 2.24	+ 56.6	0 0 3.83	+65.26	− 4 58 32.5	....
42	6 B. Ursæ Minoris s. p.	8	15 37.98	+10.92	−61.16	307 3 45.50	46.170	− 2.24	−1 17.8	12 14 47.74	.....	+88 11 19.4	....
43	ι Ceti.	9	15 53.47	+ 0.49	**−61.16**	48 9 45.30	44.792	− 2.24	+1 6.0	0 14 52.80	.....	− 9 19 12.5	....
44	12 Ceti.	9	26 29.68	+ 0.47	**−61.14**	43 17 47.55	44.785	− 2.24	+ 55.7	0 25 28.98	.....	− 4 27 4.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 19 0	29.996	26.0	24.6
0 9	29.992	25.6	24.9
0 27	......	....	24.3
0 50	......	....	24.0
1 29	29.982	24.2	23.2
5 22	29.934	20.2	20.8
5 40	......	....	20.4
5 53	......	....	20.3
6 22	29.908	20.2	20.1
6 38	......	....	20.1
7 2	......	....	19.7
7 22	......	....	19.8
7 42	29.892	20.2	20.0
5 19 4	29.891	30.1	30.1
0 16	30.010	28.6	28.7
0 40	......	....	28.2
1 5	......	....	27.7
1 21	......	....	27.3
1 48	30.032	26.7	26.8
5 21	30.010	25.5	24.7
5 37	......	....	24.7
5 51	30.006	25.7	24.7
6 19 9	29.900	38.4	39.0
23 59	29.854	42.0	41.1
0 25	......	....	40.0

Micrometer bisections are made at II, VI, except as noted below.

1, 23, 39. Bisections at I, II, III.
2, 24, 40. Bisections at V, VI, VII.
4. Bisections at b_6, b_7, b_8.
7, 21, 26. Bisections at I, II, VI, VII.
10, 31. Bisections at b_4, b_5, b_6.
13, 14, 16, 17. Bisections at II, VI, VII.
20, 30. Bisections at VI, VII.
41. Bisections at II, III, IV, V, VI.
42. Bisections at b_7, b_8, b_9.
43. Bisections at I, II.

Notes.

7. Diffuse.
18, 22. Faint.
26, 42–44. Clouds.
34 38. A thick haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.8	−16 18.2	...	−16 10.4
2	+ 7.9	+16 18.1	...	+16 26.0
21	+ 0.1	.. ....	...	+ 0.1
23	+ 7.8	−16 16.7	...	−16 8.9
24	+ 7.9	+16 16.6	...	+16 24.5
39	+ 7.8	−16 16.7	...	−16 8.9
40	+ 7.9	+16 16.7	...	+16 24.6
41	+39 46.9	+15 44.1	...	+55 31.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Ceti	9	40 7.41	+ 0.53	**−61.17**	57 17 48.85	47.458	− 2.24	+1 32.0	0 39 6.77	.....	−18 28 42.8	....
2	θ Ceti	9	20 34.76	+ 0.49	**−61.21**	47 27 48.90	48.548	− 2.24	+1 4.7	1 19 34.06	.....	− 8 38 40.6	....
3	α Ursæ Minoris	8	28 25.05	−15.60	−61.20	310 1 46.12	47.118	− 2.24	−1 10.3	1 27 8.25	.....	+88 50 9.8	....
4	τ Ceti	9	40 56.48	+ 0.52	**−61.25**	55 13 47.92	47.250	− 2.24	+1 25.4	1 39 55.80	.....	−16 24 30.5	....
5	ζ Ceti	9	48 4.53	+ 0.50	**−61.25**	49 35 48.15	48.162	− 2.24	+1 9.7	1 47 3.82	.....	−10 46 35.9	....
6	γ Orionis	9	21 22.81	+ 0.45	**−61.28**	32 33 47.60	47.282	− 1.86	+ 38.3	5 20 21.95	.....	+ 6 16 15.8	....
7	δ Orionis	9	28 28.99	+ 0.47	**−61.29**	39 11 49.62	46.942	− 1.84	+ 48.9	5 27 28.15	.....	− 0 21 49.1	....
8	ζ Orionis	9	37 17.51	+ 0.48	**−61.27**	40 49 48.30	45.498	− 1.82	+ 51.8	5 36 16.68	.....	− 1 59 17.7	....
9	κ Orionis	6	44 33.77	+ 0.51	**−61.44**	48 31 48.72	46.670	− 1.80	+1 7.7	5 43 32.96	.....	− 9 42 0.6	....
10	α Orionis	9	51 22.63	+ 0.44	**−61.21**	31 27 47.20	44.025	− 1.78	+ 36.6	5 50 21.75	.....	+ 7 23 32.2	....
	January 7, L.												
11	Sun I, S	9	10 36.62	+ 0.56	−61.76	61 31 47.00	49.533	− 0.99	+1 47.9	19 9 35.42	+70.78	−22 43 45.5	....
12	Sun II, N	9	12 58.18	+ 0.56	−61.76	60 59 48.42	48.102	− 0.99	+1 45.5	19 11 56.98	−70.78	−22 11 11.8	....
13	6 B. Ursæ Minoris s. p.	9	15 40.61	+ 7.99	−61.92	307 3 47.75	46.060	− 2.26	−1 17.3	12 14 46.68	.....	+88 11 20.4	....
14	β Ceti	9	40 8.20	+ 0.50	**−61.94**	57 17 50.20	47.444	− 2.26	+1 31.4	0 39 6.77	.....	−18 28 43.2	....
15	20 Ceti	9	49 28.36	+ 0.46	**−62.02**	40 28	......	....	.....	0 48 26.88	.....	− 1 37	....
16	Moon I, S	9	50 52.16	+ 0.45	−61.94	37 21 49.02	48.883	− 2.26	+ 45.0	0 49 50.67	+65.94	+ 1 27 31.6	....
17	η Ceti	9	5 7.74	+ 0.48	−61.94	49 29 50.30	44.898	− 2.26	+1 8.8	1 4 6.28	.....	−10 39 22.5	....
18	θ Ceti	9	20 35.53	+ 0.47	**−61.98**	47 27 50.80	48.480	− 2.26	+1 4.2	1 19 34.05	.....	− 8 38 40.3	....
19	α Ursæ Minoris	7	28 22.36	−11.10	−61.95	310 1 47.98	47.038	− 2.26	−1 9.7	1 27 9.31	.....	+88 50 9.2	....
20	τ Ceti	9	40 57.25	+ 0.50	**−62.01**	55 13 49.78	47.186	− 2.26	+1 24.8	1 39 55.79	.....	−16 24 30.3	....
21	ζ Ceti	9	48 5.24	+ 0.48	**−61.96**	49 35 51.55	48.025	− 2.26	+1 9.3	1 47 3.76	.....	−10 46 35.7	....
22	ξ Piscium	9	49 57.96	+ 0.44	**−61.97**	36 5 50.62	45.370	− 2.26	+ 43.0	1 48 56.44	.....	+ 2 44 52.1	....
23	γ Orionis	9	21 23.62	+ 0.42	**−62.06**	32 33 49.28	47.242	− 2.03	+ 37.9	5 20 21.98	.....	+ 6 16 15.5	....
24	δ Orionis	9	28 29.81	+ 0.44	**−62.08**	39 11 51.02	46.932	− 2.01	+ 48.4	5 27 28.18	.....	− 0 21 49.6	....
25	ζ Orionis	9	37 18.33	+ 0.44	**−62.04**	40 49 50.45	45.412	− 1.98	+ 51.3	5 36 16.70	.....	− 1 59 17.2	....
26	κ Orionis	9	44 34.53	+ 0.46	**−62.15**	48 31 51.50	46.578	− 1.96	+1 7.1	5 43 32.92	.....	− 9 42 0.7	....
27	α Orionis	9	51 23.47	+ 0.41	**−62.02**	31 27 49.80	43.932	− 1.94	+ 36.3	5 50 21.80	.....	+ 7 23 32.2	....
28	8 Monocerotis	9	20 5.43	+ 0.42	**−62.02**	34 11 49.92	46.760	− 1.84	+ 40.4	6 19 3.76	.....	+ 4 38 23.2	....
29	ζ Geminorum	9	59 52.38	+ 0.36	**−62.09**	18 7 49.52	48.285	− 1.72	+ 19.5	6 58 50.63	.....	+20 42 9.5	....
30	λ Geminorum	9	14 1.22	+ 0.38	**−62.08**	22 7 50.50	48.005	− 1.68	+ 24.1	7 12 59.48	.....	+16 42 10.3	....
31	δ Geminorum	9	15 51.06	+ 0.36	**−62.07**	16 41 49.25	46.415	− 1.67	+ 17.8	7 14 49.30	.....	+22 8 54.0	....
	January 8, P.												
32	α Ursæ Minoris	9	28 20.11	−13.26	−62.48	310 1 51.98	46.772	− 1.84	−1 8.6	1 27 4.37	.....	+88 50 9.8	....
33	ν Piscium	9	37 49.54	+ 0.36	**−62.47**	33 47 51.65	47.225	− 1.84	+ 38.8	1 36 47.42	.....	+ 5 2 12.5	....
34	Moon I, S	9	42 18.29	+ 0.36	−62.48	30 53 51.02	46.917	− 1.84	+ 34.7	1 41 16.17	+67.52	+ 7 56 24.3	....
35	ξ Piscium	9	49 58.53	+ 0.37	**−62.48**	36 5 53.70	45.298	− 1.84	+ 42.2	1 48 56.41	.....	+ 2 44 51.1	....
36	ξ¹ Ceti	9	9 18.68	+ 0.35	**−62.50**	30 25 52.38	43.322	− 1.84	+ 33.9	2 8 16.53	.....	+ 8 25 45.8	....
37	ο Tauri	9	21 3.57	+ 0.36	**−62.53**	30 7 52.02	45.360	− 1.84	+ 33.5	3 20 1.40	.....	+ 8 43 0.0	....
38	ξ Tauri	9	23 22.93	+ 0.35	**−62.55**	29 25 52.60	44.278	− 1.84	+ 32.6	3 22 20.75	.....	+ 9 25 25.1	....
39	f Tauri	9	26 59.73	+ 0.34	**−62.53**	26 11 53.12	48.218	− 1.84	+ 28.4	3 25 57.54	.....	+12 37 58.8	....
	January 9, M.												
40	α Ursæ Minoris	7	28 21.97	−12.75	−63.17	310 1 54.60	46.773	− 1.76	−1 11.3	1 27 6.05	.....	+88 50 9.9	....
41	ν Ceti	9	32 14.78	+ 0.40	**−63.25**	33 37 52.45	46.885	− 1.76	+ 40.2	2 31 11.98	.....	+ 5 12 18.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 0 42	29.864	41.0	40.0
1 17	......	....	39.0
1 35	......	....	38.4
1 49	29.866	38.0	38.5
5 19	29.846	34.2	34.2
5 40	......	....	34.0
5 53	29.841	34.5	34.0
7 19 13	29.881	43.8	45.0
0 16	29.852	44.0	43.3
0 41	......	....	43.0
0 53	......	....	42.7
1 29	......	....	41.8
1 51	29.850	42.4	41.0
5 22	29.823	39.4	38.1
5 39	......	....	38.1
5 54	......	....	38.0
6 21	29.816	39.0	37.8
7 0	......	....	38.0
7 32	29.816	39.8	38.8
8 1 27	29.425	44.1	43.0
1 52	......	....	43.5
2 11	29.400	45.0	44.0
3 18	......	....	44.3
3 29	29.382	45.5	44.5
9 1 28	29.880	32.8	32.0
2 32	29.920	32.2	30.9

Micrometer bisections are made at II, VI, except as noted below.

2. Bisections at I, II.
3, 13, 19, 32. Bisections at b_4, b_5, b_6.
9. Bisections at VI, VII.
11. Bisections at I, II, III.
12. Bisections at V, VI, VII.
14, 20. Bisections at I, II, VI, VII.
16, 34. Bisections at II, III, IV, V, VI.
27, 39. Bisections at II, VI, VII.
31. Bisection at II.
40. Three bisections at b_5.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 7.8	+16 16.9	...	+16 24.7
12	+ 7.8	−16 16.8	...	−16 9.0
16	+35 15.9	+15 54.9	...	+51 10.8
34	+30 8.8	+16 5.7	...	+46 14.5

Notes.

1–10, 13. Clouds.
9, 17, 31. Very faint.
23–25. Thick haze.
30. Micrometer reading increased 4 rev.
40. Very poor seeing; high wind.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, S.	9	36 48.06	+ 0.38	−63.20	24 43 51.08	45.259	− 1.76	+ 27.9	2 35 45.24	+69.92	+14 7 8.9	....
2	μ Ceti	9	41 10.44	+ 0.38	−63.25	29 5 53.08	47.030	− 1.76	+ 33.7	2 40 7.62	.....	+ 9 44 20.5	....
3	σ Arietis	9	47 37.34	+ 0.36	−63.27	24 7 53.00	45.618	− 1.76	+ 27.1	2 46 34.49	.....	+14 42 59.4	....
4	ε Arietis (*mean*)	9	55 9.97	+ 0.34	−63.27	17 51 52.48	45.510	− 1.76	+ 19.5	2 54 7.10	.....	+20 59 10.0	....
5	α Ceti	9	58 40.40	+ 0.41	−63.29	35 5 53.65	46.350	− 1.76	+ 42.5	2 57 37.60	.....	+ 3 44 26.7	....
6	δ Arietis	9	7 35.03	+ 0.34	−63.20	19 27 53.08	44.528	− 1.76	+ 21.4	3 6 32.15	.....	+19 23 29.9	....
7	f Tauri	9	27 0.40	+ 0.37	−63.24	26 11 53.60	48.162	− 1.76	+ 29.8	3 25 57.54	.....	+12 37 58.0	....
8	δ Eridani	9	40 2.14	+ 0.46	−63.22	48 53 53.82	46.096	− 1.76	+1 9.3	3 38 59.37	.....	−10 3 54.4	.....
9	γ Orionis	9	21 24.87	+ 0.41	−63.29	32 33 52.38	47.110	− 1.56	+ 38.9	5 20 22.00	.....	+ 6 16 14.0	....
10	δ Orionis	9	28 31.01	+ 0.44	−63.27	39 11 53.38	46 805	− 1.56	+ 49.6	5 27 28.17	.....	− 0 21 50.7	....
11	ζ Orionis	9	37 19.53	+ 0.45	−63.25	40 49 52.00	45.315	− 1.56	+ 52.5	5 36 16.69	.....	− 1 59 18.2	....
12	κ Orionis	9	44 35.68	+ 0.48	−63.31	48 31 53.55	46.440	− 1.56	+1 8.8	5 43 32.87	.....	− 9 42 1.7	....
13	α Orionis	9	51 24.71	+ 0.41	−63.26	31 27 52.80	43.780	− 1.56	+ 37.2	5 50 21.83	.....	+ 7 23 31.4	....
14	ν Orionis	9	3 32.98	+ 0.38	−63.24	24 3 51.52	46.028	− 1.56	+ 27.2	6 2 30.06	.....	+14 46 51.3	....
15	8 Monocerotis	9	20 6.66	+ 0.42	−63.24	34 11 53.00	46.610	− 1.56	+ 41.4	6 19 3.77	.....	+ 4 38 22.3	....
16	ν Geminorum	9	24 44.38	+ 0.35	−63.28	18 33 52.50	47.930	− 1.56	+ 20.5	6 23 41.42	.....	+20 16 13.5	....
17	S Monocerotis	9	37 8.22	+ 0.40	−63.28	28 51 52.75	45.885	− 1.56	+ 33.6	6 36 5.31	.....	+ 9 58 46.9	....
18	ξ Geminorum	9	41 21.37	+ 0.38	−63.33	25 51 52.80	43.905	− 1.56	+ 29.6	6 40 18.43	.....	+12 59 36.1	....
19	δ Geminorum	9	15 52.31	+ 0.34	−63.27	16 41 51.30	46.352	− 1.56	+ 18.4	7 14 49.32	.....	+22 8 52.8	....
20	Neptune C, C.	9	28 6.72	+ 0.34	−63.34	17 33 51.68	45.114	− 1.56	+ 19.4	7 27 3.72	.....	+21 17 19.7	....
	January 10, P.												
21	Sun I, S.	9	23 45.01	+ 0.59	−63.70	61 7 50.98	48.977	− 0.72	+1 48.5	19 22 41.90	+70.54	−22 19 37.7	....
22	Sun II, N.	9	26 6.09	+ 0.59	−63.70	60 35 52.65	47.385	− 0.72	+1 46.1	19 25 2.98	−70.54	−21 47 0.5	....
23	α Ursæ Minoris	9	28 22.61	−14.76	−63.86	310 1 46.40	47.140	− 2.37	−1 11.0	1 27 3.99	.....	+88 50 9.9	....
24	η Eridani	9	53 8.28	+ 0.46	−63.93	48 5 50.35	44.540	− 2.37	+1 7.1	2 52 4.84	.....	− 9 15 12.6	....
25	ζ Arietis	9	10 50.54	+ 0.33	−63.97	18 7 50.25	46.055	− 2.37	+ 19.8	3 9 46.96	.....	+20 43 0.1	....
26	τ^1 Arietis	9	17 8.74	+ 0.33	−63.92	18 1 49.55	44.268	− 2.37	+ 19.7	3 16 5.16	.....	+20 49 41.8	....
27	f Tauri	9	27 1.09	+ 0.37	−63.94	26 11 51.32	48.250	− 2.37	+ 29.8	3 25 57.55	.....	+12 37 58.7	....
28	ε Eridani	9	29 47.98	+ 0.46	−63.99	48 35 50.32	45.550	− 2.37	+1 8.4	3 28 44.53	.....	− 9 45 36.9	....
29	Moon I, S.	9	35 36.86	+ 0.34	−63.92	19 17 49.48	44.069	− 2.37	+ 21.2	3 34 33.28	+72.88	+19 33 45.0	....
30	η Tauri	9	43 15.22	+ 0.31	−63.94	15 1 48.95	43.775	− 2.37	+ 16.3	3 42 11.61	.....	+23 49 57.0	....
31	γ Eridani	9	54 56.53	+ 0.48	−63.99	52 35 48.30	45.510	− 2.37	+1 18.9	3 53 53.08	.....	−13 45 44.4	....
32	λ Tauri	9	56 48.64	+ 0.37	−63.91	26 35 49.28	47.175	− 2.37	+ 30.3	3 55 45.08	.....	+12 14 25.0	....
33	o^1 Eridani	8	8 35.14	+ 0.45	−63.97	45 53 49.80	47.305	− 2.37	+1 2.3	4 7 31.66	.....	− 7 4 10.4	....
34	ν Eridani	9	32 56.25	+ 0.44	−63.97	42 21 48.05	47.275	− 2.37	+ 55.2	4 31 52.75	.....	− 3 32 0.9	....
35	53 Eridani	9	35 10.32	+ 0.48	−64.03	53 17 46.60	47.958	− 2.37	+1 21.1	4 34 6.85	.....	−14 28 40.9	....
36	π^3 Orionis	9	46 4.52	+ 0.39	−64.00	32 1 48.42	46.795	− 2.37	+ 38.1	4 45 0.96	.....	+ 6 48 26.8	....
37	γ Orionis	9	21 25.59	+ 0.37	−63.97	32 33 48.60	47.280	− 2.24	+ 38.6	5 20 21.99	.....	+ 6 16 14.9	....
38	δ Orionis	9	28 31.69	+ 0.40	−63.91	39 11 49.50	46.975	− 2.24	+ 49.3	5 27 28.12	.....	− 0 21 49.7	....
39	ζ Orionis	9	37 20.23	+ 0.41	−63.91	40 49 48.80	45.515	− 2.24	+ 52.2	5 36 16.67	.....	− 1 59 18.6	....
40	κ Orionis	9	44 36.38	+ 0.44	−63.97	48 31 49.80	46.650	− 2.24	+1 8.4	5 43 32.84	.....	− 9 42 1.7	....
41	α Orionis	9	51 25.46	+ 0.37	−63.96	31 27 48.80	43.992	− 2.24	+ 37.0	5 50 21.85	.....	+ 7 23 31.4	....
42	8 Monocerotis	9	20 7.43	+ 0.38	−63.96	34 11 49.62	46.775	− 2.24	+ 41.1	6 19 3.82	.....	+ 4 38 22.9	....
43	ξ Geminorum	9	41 22.04	+ 0.34	−63.95	25 51 49.10	44.092	− 2.24	+ 29.3	6 40 18.38	.....	+12 59 36.5	....
44	ζ Geminorum	9	59 54.34	+ 0.31	−63.97	18 7 56.15	47.977	− 2.24	+ 19.9	6 58 50.64	.....	+20 42 10.1	....
45	δ Geminorum	9	15 53.06	+ 0.30	−63.97	16 41 49.80	46.455	− 2.24	+ 18.2	7 14 49.34	.....	+22 8 52.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 2 48	29.918	31.8	31.0
3 8	29.930	31.7	30.7
3 40	29.950	31.4	30.7
5 21	30.022	30.5	29.8
5 37	......	....	29.8
6 4	......	....	29.2
6 25	30.026	29.6	....
6 41	......	....	28.6
7 16	......	....	28.2
7 28	30.032	28.6	28.2
10 19 26	30.200	39.4	39.7
1 27	30.118	39.1	37.3
2 51	[illegible]	36.9	35.0
3 14	......	....	34.5
3 46	30.098	35.6	34.0
4 0	......	....	34.0
4 20	......	....	33.3
4 40	......	....	33.0
4 48	30.084	34.9	33.0
5 19	30.072	35.0	33.2
5 40	......	....	33.0
5 53	......	....	33.2
6 22	......	....	32.9
6 43	30.044	34.0	32.8
7 3	......	....	32.8

Micrometer bisections are made at II, VI, except as noted below.

1, 29. Bisections at II, III, IV, V, VI.
8, 12, 20. Bisections at I, II, VI, VII.
21. Bisections at I, II, III.
22. Bisections at V, VI, VII.
23. Bisections at b_4, b_5, b_6.
27. Bisections at I, II.
31. Bisections at II, VII.
44. Bisections at II, VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+24 47.0	+16 15.8	...	+41 2.8
20	+ 0.1	.. ....	...	+ 0.1
21	+ 7.8	+16 18.6	...	+16 26.4
22	+ 7.8	−16 18.6	...	−16 10.8
29	+19 42.5	+16 24.3	...	+36 6.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Geminorum	9	21 16.67	+ 0.27	−64.00	10 51 50.52	47.422	− 2.24	+ 11.7	7 20 12.92	.....	+27 58 36.5	....
2	Neptune C, C	8	28 0.30	+ 0.30	−64.03	17 33 50.20	44.509	− 2.24	+ 19.2	7 26 56.57	.....	+21 17 35.9	....
3	χ Geminorum	9	59 7.84	+ 0.27	−63.92	10 47 50.35	47.140	− 2.24	+ 11.6	7 58 4.07	.....	+28 2 43.3	....
	January 15, M.												
4	γ Orionis	6	20 29.06	+ 0.22	− 7.30	32 33 50.88	47.135	− 0.01	+ 38.2	5 20 21.95	.....	+ 6 16 13.9	....
5	δ Orionis	7	27 35.30	+ 0.24	− 7.37	39 11 52.90	46.801	+ 0.03	+ 48.8	5 27 28.20	.....	− 0 21 50.9	....
6	ζ Orionis	9	36 23.83	+ 0.25	− 7.35	40 49 50.90	45.322	+ 0.08	+ 51.6	5 36 16.74	.....	− 1 59 18.0	....
7	κ Orionis	9	43 39.98	+ 0.27	− 7.40	48 31 51.98	46.500	+ 0.12	+1 7.6	5 43 32.91	.....	− 9 42 2.0	....
8	α Orionis	9	50 29.00	+ 0.23	− 7.36	31 27 51.18	43.802	+ 0.15	+ 36.6	5 50 21.88	.....	+ 7 23 31.4	....
9	Neptune C, C	9	26 27.93	+ 0.19	− 7.39	17 31 50.02	46.279	+ 0.67	+ 19.0	7 26 20.73	.....	+21 18 52.9	....
10	η Cancri	9	27 41.96	+ 0.19	− 7.41	18 5 49.05	46.885	+ 0.66	+ 19.7	8 27 34.73	.....	+20 44 39.4	....
11	δ Cancri	9	39 45.85	+ 0.20	− 7.42	20 21 49.40	46.050	+ 0.66	+ 22.4	8 39 38.62	.....	+18 28 55.2	....
12	ι Cancri	9	41 27.17	+ 0.15	− 7.43	9 45 48.62	45.980	+ 0.66	+ 10.4	8 41 19.89	.....	+29 5 9.8	....
13	ζ Hydræ	9	50 49.36	+ 0.25	− 7.39	32 33 48.55	44.852	+ 0.66	+ 38.4	8 50 42.18	.....	+ 6 17 7.7	....
14	α Cancri	9	53 45.21	+ 0.23	− 7.37	26 37 49.35	47.668	+ 0.66	+ 30.2	8 53 38.01	.....	+12 12 10.7	....
15	Moon S		.. ..	.....	.....	17 41 49.30	47.680	+ 0.66	+ 19.3	.. ..	.....	+21 8 18.1	....
16	Moon II, N	9	9 50.19	+ 0.20	− 7.44	17 9 52.32	45.653	+ 0.66	+ 18.6	9 9 42.95	−72.53	+21 41 8.6	....
17	ξ Leonis	8	27 16.95	+ 0.23	− 7.44	27 7 49.90	48.985	+ 0.66	+ 30.9	9 27 9.73	.....	+11 41 39.4	....
18	ε Leonis	9	40 56.19	+ 0.18	− 7.43	14 39 48.15	46.080	+ 0.66	+ 15.8	9 40 48.92	.....	+24 11 2.6	....
19	α Virginis	9	20 36.84	+ 0.33	− 7.54	49 31 51.00	45.837	+ 0.09	+1 11.3	13 20 29.61	.....	−10 41 49.6	....
20	α Ursæ Minoris S. P.	7	26 50.04	+16.72	− 7.56	307 41 50.68	48.083	+ 0.07	−1 18.3	1 26 59.20	.....	+88 50 10.8	....
21	89 Virginis	9	45 8.47	+ 0.36	− 7.61	56 31 50.08	43.972	+ 0.01	+1 32.0	13 45 1.26	.....	−17 41 26.6	....
22	κ Virginis	9	8 15.21	+ 0.33	− 7.59	48 41 50.82	45.360	− 0.08	+1 9.4	14 8 7.96	.....	− 9 51 36.4	....
23	ι Virginis	9	11 27.25	+ 0.32	− 7.63	44 23 52.28	48.375	− 0.09	+ 59.8	14 11 19.99	.....	− 5 34 37.1	....
24	λ Virginis	9	14 23.88	+ 0.34	− 7.64	51 47 50.75	45.275	− 0.10	+1 17.5	14 14 16.64	.....	−12 57 42.4	....
25	μ Virginis	9	38 28.40	+ 0.32	− 7.57	44 5 52.20	47.800	− 0.15	+ 59.3	14 38 21.12	.....	− 5 16 23.6	....
26	109 Virginis	9	41 51.27	+ 0.29	− 7.55	36 33 49.88	47.652	− 0.15	+ 45.4	14 41 43.96	.....	+ 2 15 56.2	....
27	α Libræ	9	46 3.30	+ 0.35	− 7.61	54 29 49.52	46.635	− 0.15	+1 25.7	14 45 56.05	.....	−15 40 20.4	....
	January 16, M.												
28	Sun I, S	9	48 45.42	+ 0.47	− 7.70	60 9 46.62	44.270	− 0.12	+1 46.5	19 48 38.19	+70.07	−21 19 44.3	....
29	Sun II, N	6	51 5.55	+ 0.47	− 7.70	59 37 50.98	42.792	− 0.12	+1 44.2	19 50 58.32	−70.06	−20 47 12.6	....
	January 16, P.												
30	γ Orionis	9	20 29.59	+ 0.39	− 8.00	32 33 45.65	47.265	+ 0.29	+ 39.7	5 20 22.00	.....	+ 6 16 14.3	....
31	δ Orionis	9	27 35.75	+ 0.43	− 8.01	39 11 50.88	46.770	+ 0.29	+ 50.7	5 27 28.19	.....	− 0 21 50.4	....
32	ζ Orionis	9	36 24.31	+ 0.44	− 8.02	40 49 47.72	45.275	+ 0.29	+ 53.8	5 36 16.76	.....	− 1 59 16.1	....
33	κ Orionis	9	43 40.46	+ 0.47	− 8.08	48 31 49.98	46.482	+ 0.29	+1 10.4	5 43 32.93	.....	− 9 42 2.6	....
34	α Orionis	9	50 29.54	+ 0.39	− 8.05	31 27 49.90	43.805	+ 0.29	+ 38.1	5 50 21.93	.....	+ 7 23 31.0	....
35	8 Monocerotis	9	19 11.45	+ 0.40	− 7.98	34 11 50.15	46.615	+ 0.29	+ 42.3	6 19 3.84	.....	+ 4 39 22.3	....
36	Neptune C, C	9	26 21.31	+ 0.32	− 8.04	17 31 50.02	45.562	+ 0.29	+ 19.7	7 26 13.59	.....	+21 19 9.0	....
37	κ Geminorum	9	39 13.26	+ 0.30	− 8.00	14 13 49.88	46.665	+ 0.29	+ 15.8	7 39 5.51	.....	+24 36 47.9	....
38	η Cancri	9	27 42.49	+ 0.32	− 8.05	18 5 50.72	46.782	+ 0.29	+ 20.4	8 27 34.74	.....	+20 44 39.8	....
39	δ Cancri	9	39 46.42	+ 0.34	− 8.11	20 21 49.42	46.020	+ 0.29	+ 23.1	8 39 38.68	.....	+18 28 55.8	....
40	α Cancri	9	53 45.81	+ 0.37	− 8.10	26 37 52.20	47.500	+ 0.29	+ 31.2	8 53 38.09	.....	+12 12 11.2	....
41	83 Cancri	9	14 9.49	+ 0.34	− 8.03	20 45 49.72	45.822	+ 0.29	+ 23.6	9 14 1.74	.....	+18 4 59.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
[illegible] 7 25	......	....	33.0
8 1	[illegible]	34.0	32.8
15 5 20	[illegible]	36.3	34.3
5 36	......	....	34.2
5 50	......	....	34.0
6 20	[illegible]	34.9	....
7 26	29.818	33.8	33.1
8 28	[illegible]	33.7	32.7
8 51	......	....	32.2
9 5	29.850	33.3	31.9
9 41	29.870	32.8	31.1
13 21	29.950	29.6	28.5
13 45	......	....	27.8
14 8	......	....	27.2
14 46	30.000	28.1	26.2
16 19 51	30.105	28.9	27.6
5 18	30.138	23.1	21.0
5 40	......	....	21.0
5 52	......	....	21.0
6 21	30.147	[illegible]	21.0
7 24	30.130	[illegible]	20.9
7 41	......	....	20.9
8 30	[illegible]	22.8	21.0
8 56	......	....	21.2
9 16	30.130	22.2	21.3

Micrometer bisections are made at II, VI, except as noted below.

2, 5, 9, 17, 36. Bisections at I, II, VI, VII.
4, 11, 25. Bisections at I, II.
15, 28. Bisections at I, II, III.
16, 29. Bisections at V, VI, VII.
19. Bisections at I, II, VI.
20. Bisections at b_4, b_5, b_6.
23, 40. Bisections at II, VI, VII.

Notes.

4. Thick clouds.
17. Brightness varying; clouds.
23, 25, 26. Faint.
29. Micrometer reading decreased 1 rev.
30–41. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 0.1	.. ....	...	+ 0.1
9	+ 0.1	.. ....	...	+ 0.1
15	+17 52.4	+16 9.1	...	+34 1.5
16	+17 20.0	−16 9.1	+0.1	+ 1 11.0
28	+ 7.7	+16 15.8	...	+16 23.5
29	+ 7.7	−16 15.9	...	−16 8.2
36	+ 0.1	.. ....	...	+ 0.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Leonis	9	40 56.70	+ 0.30	− 8.03	14 39 49.35	45.980	+ 0.29	+ 16.3	9 40 48.89	.....	+24 11 3.6	....
2	Moon II, S.	9	8 1.12	+ 0.36	− 8.12	22 33 50.62	47.530	+ 0.29	+ 25.9	10 7 53.36	−69.18	+16 16 17.2	....
	January 18, L.												
3	Sun I, N.	9	57 20.55	+ 0.63	− 9.17	59 13 51.28	44.798	+ 0.02	+1 42.8	19 57 12.01	+69.85	−20 23 57.5	....
4	Sun II, S.	9	59 40.24	+ 0.63	− 9.17	59 45 52.55	46.138	+ 0.02	+1 45.0	19 59 31.70	−69.84	−20 56 31.6	....
5	η Ceti	9	4 14.96	+ 0.56	− 9.35	49 29 53.75	44.565	− 0.78	+1 11.5	1 4 6.17	.....	−10 39 22.5	....
6	θ Ceti	9	19 42.77	+ 0.55	− 9.43	47 27 54.30	48.170	− 0.78	+1 6.6	1 19 33.97	.....	− 8 38 40.6	....
7	α Ursæ Minoris	7	27 21.08	−16.10	− 9.36	310 1 52.28	46.898	− 0.78	−1 12.4	1 26 55.62	.....	+88 50 9.3	....
8	τ Ceti	9	40 4.38	+ 0.59	− 9.37	55 13 53.85	46.814	− 0.78	+1 28.1	1 39 55.61	.....	−16 24 30.6	....
9	ζ Ceti	9	47 12.47	+ 0.56	− 9.40	49 35 53.98	47.728	− 0.78	+1 11.9	1 47 3.66	.....	−10 46 35.5	....
10	υ Ceti	9	55 57.31	+ 0.61	− 9.37	60 19 54.08	46.428	− 0.78	+1 47.3	1 55 48.55	.....	−21 30 41.2	....
11	δ Eridani	8	39 8.11	+ 0.56	− 9.38	48 53 54.15	46.015	− 0.78	+1 10.3	3 38 59.25	.....	−10 3 54.9	....
12	γ Orionis	9	20 30.92	+ 0.50	− 9.44	32 33 52.75	46.980	− 0.50	+ 39.2	5 20 21.95	.....	+ 6 16 15.3	....
13	δ Orionis	9	27 37.12	+ 0.53	− 9.48	39 11 54.48	46.688	− 0.50	+ 50.0	5 27 28.18	.....	− 0 21 50.4	....
14	ζ Orionis	9	36 25.63	+ 0.54	− 9.44	40 49 53.40	45.205	− 0.50	+ 53.0	5 36 16.69	.....	− 1 59 18.6	....
15	α Orionis	9	50 30.83	+ 0.50	− 9.46	31 27 53.32	43.680	− 0.50	+ 37.5	5 50 21.85	.....	+ 7 23 31.8	....
	January 19, M.												
16	Sun I, N.	9	1 36.71	+ 0.65	− 9.77	59 1 49.90	44.607	− 0.30	+1 38.8	20 1 27.59	+69.86	−20 11 47.4	....
17	Sun II, S.	9	3 56.43	+ 0.65	− 9.77	59 33 51.45	45.878	− 0.30	+1 41.0	20 3 47.31	−69.86	−20 44 20.2	....
18	53 Eridani	9	34 16.26	+ 0.51	−10.06	53 17 51.82	47.833	− 1.77	+1 19.9	4 34 6.76	.....	−14 28 42.7	....
19	β Orionis	9	10 25.77	+ 0.49	−10.03	47 7 52.35	47.285	− 1.68	+1 4.2	5 10 16.24	.....	− 8 18 15.1	....
20	γ Orionis	9	20 31.56	+ 0.43	−10.01	32 33 51.40	47.185	− 1.63	+ 38.1	5 20 21.96	.....	+ 6 16 14.1	....
21	δ Orionis	9	27 37.75	+ 0.46	−10.05	39 11 52.48	46.885	− 1.60	+ 48.7	5 27 28.18	.....	− 0 21 50.9	....
22	α Leporis	9	28 58.57	+ 0.52	−10.04	56 41 50.90	48.615	− 1.60	+1 30.7	5 28 49.06	.....	−17 53 10.6	....
23	ζ Tauri	9	32 29.84	+ 0.37	−10.10	17 45 51.10	44.888	− 1.58	+ 19.2	5 32 20.18	.....	+21 5 25.7	....
24	ζ Orionis	9	36 26.28	+ 0.46	−10.02	40 49 50.45	45.458	− 1.56	+ 51.6	5 36 16.70	.....	− 1 59 19.0	....
25	κ Orionis	9	43 42.36	+ 0.49	−10.01	48 31 52.22	46.605	− 1.53	+1 7.5	5 43 32.81	.....	− 9 42 2.9	....
26	α Orionis	9	50 31.40	+ 0.43	− 9.96	31 27 52.85	43.865	− 1.50	+ 36.6	5 50 21.79	.....	+ 7 23 30.0	....
27	ν Orionis	9	2 39.77	+ 0.40	−10.03	24 3 50.75	46.080	− 1.45	+ 26.7	6 2 30.12	.....	+14 46 51.2	....
28	η Geminorum	9	9 40.75	+ 0.36	−10.00	16 17 51.78	48.450	− 1.42	+ 17.5	6 9 31.06	.....	+22 32 5.2	....
29	μ Geminorum	9	17 45.06	+ 0.36	−10.04	16 17 51.08	44.288	− 1.39	+ 17.5	6 17 35.37	.....	+22 33 40.8	....
30	β Canis Majoris	9	18 57.26	+ 0.52	−10.09	56 43 51.32	47.275	− 1.38	+1 30.7	6 18 47.72	.....	−17 54 40.6	....
31	ν Geminorum	9	23 51.18	+ 0.37	−10.05	18 33 51.70	47.998	− 1.36	+ 20.1	6 23 41.49	.....	+20 16 12.9	....
	January 19, P.												
32	Moon II, S.	9	37 7.66	+ 0.45	−10.28	40 11 51.42	46.207	− 1.12	+ 50.9	12 36 57.83	−62.84	− 1 21 36.9	....
33	δ Virginis	9	51 16.95	+ 0.42	−10.30	34 57 52.08	45.505	− 1.12	+ 42.1	12 51 7.08	.....	+ 3 52 47.4	....
34	ε Virginis	9	57 54.57	+ 0.39	−10.25	27 23 51.20	47.720	− 1.12	+ 31.2	12 57 44.67	.....	+11 26 8.5	....
35	α Virginis	9	20 39.62	+ 0.47	−10.32	49 31 51.72	45.892	− 1.12	+1 10.5	13 20 29.79	.....	−10 41 49.5	....
36	η Boötis	9	50 36.48	+ 0.35	−10.33	19 59 51.35	47.340	− 1.12	+ 22.0	13 50 26.51	.....	+18 50 26.2	....
37	τ Virginis	9	57 16.31	+ 0.42	−10.28	36 51 51.30	46.431	− 1.12	+ 45.2	13 57 6.41	.....	+ 1 58 23.9	....
38	κ Virginis	9	8 17.92	+ 0.47	−10.30	48 41 51.65	45.445	− 1.12	+1 8.5	14 8 8.06	.....	− 9 51 37.2	....
39	ι Virginis	5	11 30.06	+ 0.46	−10.44	44 23 51.25	48.520	− 1.12	+ 59.0	14 11 20.19	.....	− 5 34 37.8	....
	January 20, P.												
40	Sun I, N.	9	5 52.84	+ 0.49	−10.51	58 49 50.88	43.090	− 0.70	+1 37.9	20 5 42.82	+69.64	−19 59 12.4	....
41	Sun II, S.	9	8 12.13	+ 0.49	−10.51	59 21 51.10	44.392	− 0.70	+1 40.0	20 8 2.11	−69.65	−20 31 44.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 9 58	....	....	21.8
10 8	30.136	22.8	21.9
18 20 0	30.168	29.1	28.0
1 5	30.118	30.0	29.0
1 28	....	....	28.4
1 41	....	....	28.1
1 57	30.120	28.6	28.0
3 40	30.100	27.0	27.0
5 21	30.076	26.0	26.3
5 38	....	....	26.8
5 51	30.070	26.3	27.0
19 20 4	29.878	37.0	38.2
4 34	29.840	35.6	36.2
5 10	....	....	36.6
5 28	....	....	36.3
5 51	29.870	35.7	35.6
6 10	29.868	36.2	37.2
6 24	29.882	36.3	36.6
12 32	29.914	32.8	32.8
13 0	....	....	32.9
13 28	29.922	33.2	33.0
13 55	....	....	33.0
14 12	29.930	33.0	33.0
20 20 8	29.924	38.5	39.3

Micrometer bisections are made at II, VI, except as noted below.

2, 32.	Bisections at II, III, IV, V, VI.
3, 16, 40.	Bisections at I, II, III.
4, 17, 41.	Bisections at V, VI, VII.
5, 12, 14, 26.	Bisections at II, VI, VII.
7.	Bisections at b_4, b_5, b_6.
8, 10, 35, 37.	Bisections at I, II, VI, VII.
13.	Bisections at VI, VII.
18.	Bisections at I, II, VII.
21, 29.	Bisections at I, II.
39.	Bisection at I.

	Notes.
1, 2.	Hazy.
11, 14, 15, 32–39.	Clouds.
13.	Faint; clouds.
18–31.	Conditions very poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+22 16.2	+15 55.9	...	+38 12.1
3	+ 7.7	−16 17.0	...	−16 9.3
4	+ 7.7	+16 17.1	...	+16 24.8
16	+ 7.6	−16 16.4	...	−16 8.8
17	+ 7.7	+16 16.3	...	+16 24.0
32	+35 52.2	+15 13.4	...	+51 5.6
40	+ 7.6	−16 16.0	...	−16 8.4
41	+ 7.7	+16 16.0	...	+16 23.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris	9	27 18.28	−12.75	−10.68	310 1 50.30	46.847	− 1.56	−1 9.9	1 26 54.85	.....	+88 50 10.7	....
2	67 Ceti	9	12 42.54	+ 0.43	−10.68	45 39 53.88	46.748	− 1.56	+1 0.5	2 12 32.27	.....	− 6 50 0.8	....
3	41 Arietis	9	44 54.60	+ 0.30	−10.77	11 57 50.10	44.335	− 1.56	+ 12.6	2 44 44.18	.....	+26 53 46.0	....
4	β Orionis	9	10 26.58	+ 0.44	−10.80	47 7 51.80	47.325	− 1.56	+1 3.9	5 10 16.23	.....	− 8 18 15.3	....
5	τ Orionis	9	13 28.01	+ 0.43	−10.76	45 45 49.52	47.965	− 1.56	+1 0.9	5 13 17.65	.....	− 6 56 24.6	....
6	γ Orionis	9	20 32.43	+ 0.39	−10.85	32 33 50.58	47.208	− 1.56	+ 37.9	5 20 22.03	.....	+ 6 16 14.6	....
7	δ Orionis	9	27 38.56	+ 0.41	−10.81	39 11 51.82	46.908	− 1.56	+ 48.4	5 27 28.17	.....	− 0 21 50.5	....
8	ζ Orionis	8	36 27.07	+ 0.42	−10.77	40 49 47.78	45.590	− 1.56	+ 51.2	5 36 16.69	.....	− 1 59 18.9	....
9	κ Orionis	9	43 43.24	+ 0.44	−10.84	48 31 51.05	46.672	− 1.56	+1 7.1	5 43 32.87	.....	− 9 42 2.8	....
10	α Orionis	9	50 32.27	+ 0.38	−10.78	31 27 50.90	43.905	− 1.56	+ 36.3	5 50 21.84	.....	+ 7 23 31.3	....
11	8 Monocerotis	9	19 14.25	+ 0.40	−10.77	34 11 51.78	46.710	− 1.56	+ 40.3	6 19 3.83	.....	+ 4 38 22.3	....
	January 23, M.												
12	Sun I, S	9	18 35.50	+ 0.54	−12.53	58 41 53.32	44.315	− 0.81	+1 40.4	20 18 23.51	+69.39	−19 51 45.2	....
13	Sun II, N	9	20 54.27	+ 0.54	−12.53	58 9 52.20	43.073	− 0.81	+1 38.3	20 20 42.28	−69.38	−19 19 13.7	....
14	53 Eridani	9	34 19.09	+ 0.51	−12.93	53 17 52.25	47.728	− 1.31	+1 22.1	4 34 6.85	.....	−14 28 43.4	....
15	β Orionis	9	10 28.57	+ 0.48	−12.85	47 7 53.42	47.192	− 1.31	+1 6.1	5 10 16.28	.....	− 8 18 16.2	....
16	β Tauri	9	20 52.88	+ 0.32	−12.75	10 19 51.10	43.448	− 1.31	+ 11.2	5 20 40.43	.....	+28 32 6.3	....
17	δ Orionis	9	27 40.48	+ 0.45	−12.78	39 11 54.08	46.790	− 1.31	+ 50.1	5 27 28.15	.....	− 0 21 52.0	....
18	α Leporis	9	29 1.32	+ 0.52	−12.82	56 41 51.95	48.462	− 1.31	+1 33.3	5 28 49.06	.....	−17 53 11.0	....
19	ζ Tauri	9	32 32.53	+ 0.36	−12.79	17 45 52.52	44.795	− 1.31	+ 19.7	5 32 20.11	.....	+21 5 25.7	....
20	ζ Orionis	9	36 29.05	+ 0.46	−12.80	40 49 51.55	45.358	− 1.31	+ 53.0	5 36 16.73	.....	− 1 59 19.5	....
21	κ Orionis	9	43 45.16	+ 0.49	−12.82	48 31 52.95	46.520	− 1.31	+1 9.4	5 43 32.86	.....	− 9 42 3.8	....
22	α Orionis	9	50 34.24	+ 0.42	−12.80	31 27 52.12	43.825	− 1.31	+ 37.6	5 50 21.87	.....	+ 7 23 30.4	....
23	ν Orionis	9	2 42.50	+ 0.39	−12.76	24 3 51.05	46.032	− 1.31	+ 27.5	6 2 30.09	.....	+14 46 51.1	....
24	η Geminorum	9	9 43.54	+ 0.35	−12.78	16 17 51.78	48.440	− 1.31	+ 18.0	6 9 31.09	.....	+22 32 4.8	....
25	8 Monocerotis	9	19 16.22	+ 0.44	−12.78	34 11 52.32	46.662	− 1.31	+ 41.8	6 19 3.86	.....	+ 4 38 21.1	....
26	γ Canis Majoris	9	59 57.24	+ 0.51	−12.91	54 19 51.42	45.870	− 1.31	+1 25.6	6 59 44.93	.....	−15 30 3.6	....
27	Neptune C, C	9	25 36.62	+ 0.36	−12.83	17 29 51.00	46.124	− 1.31	+ 19.5	7 25 24.15	.....	+21 20 57.0	....
	January 23, P.												
28	α Ursæ Minoris s. p.	6	26 45.93	+18.55	−13.06	307 41 49.80	48.240	− 0.40	−1 20.0	1 26 51.42	.....	+88 50 10.5	....
29	ζ Virginis	9	30 21.76	+ 0.41	−13.00	38 57 52.00	48.628	− 0.37	+ 50.4	13 30 9.11	.....	− 0 8 33.0	....
30	89 Virginis	9	45 14.03	+ 0.49	−13.03	56 31 50.58	43.898	− 0.28	+1 34.2	13 45 1.46	.....	−17 41 27.3	....
31	κ Virginis	9	8 20.82	+ 0.46	−13.06	48 41 51.90	45.305	− 0.14	+1 11.1	14 8 8.21	.....	− 9 51 37.8	....
32	ι Virginis	9	11 32.78	+ 0.44	−13.01	44 23 51.15	48.412	− 0.12	+1 1.3	14 11 20.14	.....	− 5 34 38.3	....
33	109 Virginis	9	41 56.88	+ 0.42	−13.03	36 33 51.32	47.543	+ 0.07	+ 46.5	14 41 44.21	.....	+ 2 15 56.0	....
34	8 Libræ	9	45 57.41	+ 0.50	−13.05	54 27 50.62	44.700	+ 0.09	+1 27.5	14 45 44.82	.....	−15 37 40.3	....
35	β Libræ	9	12 24.60	+ 0.48	−13.03	47 53 50.35	44.778	+ 0.25	+1 9.2	15 12 11.97	.....	− 9 3 22.7	....
36	Moon II, S	9	42 54.07	+ 0.55	−13.10	60 33 49.95	47.857	+ 0.42	+1 51.0	15 42 41.52	−65.38	−21 45 14.8	....
	January 24, P.												
37	Sun I, S	9	22 48.25	+ 0.58	−13.23	58 27 52.60	44.152	− 0.34	+1 39.0	20 22 35.60	+69.27	−19 37 39.8	....
38	Sun II, N	9	25 6.79	+ 0.58	−13.23	57 55 51.78	42.833	− 0.34	+1 36.9	20 24 54.14	−69.27	−19 5 6.8	....
39	γ Orionis	9	20 35.02	+ 0.39	−13.46	32 33 50.60	47.172	− 1.89	+ 39.0	5 20 21.94	.....	+ 6 16 14.6	....
40	δ Orionis	9	27 41.15	+ 0.42	−13.43	39 11 53.25	46.845	− 1.86	+ 49.8	5 27 28.10	.....	− 0 21 51.4	....
41	ζ Orionis	9	36 29.74	+ 0.43	−13.47	40 49 52.02	45.355	− 1.84	+ 52.8	5 36 16.69	.....	− 1 59 19.1	....
42	κ Orionis	9	43 45.89	+ 0.46	−13.53	48 31 51.62	46.585	− 1.81	+1 9.1	5 43 32.87	.....	− 9 42 3.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 1 25	29.806	41.0	40.0
2 11	29.805	40.5	39.5
2 50	......	....	39.1
5 8	29.750	38.1	37.1
5 33	......	....	37.0
5 52	29.734	37.2	36.2
6 21	29.705	37.2	36.1
23 20 21	30.264	32.8	30.6
4 34	30.356	31.3	31.7
5 10	30.360	31.3	30.9
5 44	......	....	30.4
6 3	......	....	29.8
6 19	30.370	30.6	30.3
7 0	......	....	30.0
7 26	30.374	30.3	29.4
13 20	30.385	26.2	25.5
13 48	......	....	23.1
14 13	30.393	24.2	22.3
14 48	......	....	21.8
15 14	30.400	23.2	22.0
15 43	30.412	23.0	21.2
24 20 25	30.414	35.5	35.1
5 18	30.328	34.4	32.9
5 40	......	....	32.1

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at b_4, b_5, b_6.
3, 33, 34.	Bisections at II, VI, VII.
7, 17.	Bisections at I, II.
9, 10, 14, 27.	Bisections at I, II, VI, VII.
12, 37.	Bisections at I, II, III.
13, 38.	Bisections at V, VI, VII.
28.	Bisections at b_5, b_7, b_9.
36.	Bisections at II, III, IV, V, VI.

Notes.

1-11. Clouds.

9. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 7.6	+16 15.8	...	+16 23.4
13	+ 7.6	−16 15.7	...	−16 8.1
27	+ 0.1	.. ....	...	+ 0.1
36	+47 3.5	+14 46.8	...	+61 50.3
37	+ 7.6	+16 16.4	...	+16 24.0
38	+ 7.5	−16 16.5	...	−16 9.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Orionis	9	50 34.96	+ 0.39	−13.49	31 27 51.10	43.862	− 1.79	+ 37.4	5 50 21.87	.....	+ 7 23 31.2	....
2	8 Monocerotis	9	19 16.94	+ 0.40	−13.46	34 11 51.75	46.680	− 1.70	+ 41.6	6 19 3.84	.....	+ 4 38 21.9	....
3	ξ Geminorum	9	40 31.61	+ 0.36	−13.47	25 51 51.52	43.970	− 1.63	+ 29.7	6 40 18.46	.....	+12 59 35.9	....
4	ζ Geminorum	9	59 3.94	+ 0.32	−13.48	18 7 51.60	48.120	− 1.57	+ 20.1	6 58 50.74	.....	+20 42 10.4	....
5	δ Geminorum	9	15 2.63	+ 0.31	−13.44	16 41 50.48	46.342	− 1.52	+ 18.4	7 14 49.42	.....	+22 8 53.9	....
6	ι Geminorum	9	20 26.26	+ 0.27	−13.45	10 51 51.00	47.320	− 1.51	+ 11.8	7 20 13.00	.....	+27 58 37.6	....
7	Neptune C, C	9	25 30.44	+ 0.32	−13.53	17 29 49.52	45.502	− 1.50	+ 19.4	7 25 17.23	.....	+21 21 13.0	....
8	κ Geminorum	9	39 18.76	+ 0.30	−13.43	14 13 50.70	46.715	− 1.44	+ 15.6	7 39 5.52	.....	+24 36 47.8	....
	January 24, L.												
9	6 B. Ursæ Minoris	9	15 22.39	−10.18	−13.73	310 39 47.52	49.250	− 1.28	−1 11.4	12 14 58.48	.....	+88 11 19.9	....
10	α Ursæ Minoris S. P.	8	26 46.45	+17.31	−13.76	307 41 50.18	48.233	− 1.09	−1 19.5	1 26 50.00	.....	+88 50 11.4	....
11	ζ Virginis	9	30 22.54	+ 0.49	−13.83	38 57 52.82	48.640	− 1.08	+ 50.0	13 30 9.27	.....	− 0 8 33.0	....
12	89 Virginis	9	45 14.75	+ 0.56	−13.78	56 31 51.42	43.952	− 1.03	+1 33.4	13 45 1.54	.....	−17 41 27.9	....
13	50 Cassiopeiæ S. P.	9	55 58.79	+ 1.63	−13.77	290 53 50.30	45.382	− 0.99	−2 40.0	1 55 46.65	.....	+71 59 45.8	....
14	8 Libræ	9	45 58.20	+ 0.56	−13.86	54 27 52.32	44.760	− 0.83	+1 26.5	14 45 44.96	.....	−15 37 40.5	....
15	ξ² Libræ	9	52 8.77	+ 0.54	−13.90	49 53 53.82	43.795	− 0.81	+1 13.4	14 51 55.51	.....	−11 3 6.9	....
16	ι Libræ	9	7 21.07	+ 0.57	−13.88	58 15 52.30	48.540	− 0.76	+1 39.9	15 7 7.83	.....	−19 27 20.3	....
17	β Libræ	9	12 25.43	+ 0.53	−13.88	47 53 52.32	44.745	− 0.74	+1 8.4	15 12 12.15	.....	− 9 3 22.2	....
18	Moon II	9	33 49.68	+ 0.61	−13.87	63 40	......	....	. ....	16 33 36.42	−67.11	.. ..	....
19	Mercury II, C	9	48 10.31	+ 0.58	−13.94	59 33 54.75	48.290	− 0.88	+1 43.3	18 47 56.95	− 0.28	−20 45 20.3	....
	January 25, L.												
20	Sun I, S	7	27 0.42	+ 0.55	−13.98	58 11 50.48	48.485	− 0.39	+1 36.5	20 26 46.99	+69.15	−19 23 14.2	....
21	Sun II, N	9	29 18.72	+ 0.55	−13.98	57 39 52.20	47.000	− 0.39	+1 34.5	20 29 5.29	−69.15	−18 50 40.0	....
22	α Ursæ Minoris	8	27 14.90	−13.53	−14.15	310 1 46.82	47.040	− 1.62	−1 10.2	1 26 47.22	.....	+88 50 10.2	....
23	50 Cassiopeiæ	9	56 1.30	− 0.39	−14.16	326 51 50.78	46.570	− 1.62	− 38.6	1 55 46.75	.....	+71 59 45.2	....
24	α Draconis S. P.	9	2 12.39	+ 1.12	−14.17	283 43 47.98	43.518	− 1.62	−3 57.4	14 1 59.34	.....	+64 47 42.6	....
25	γ Orionis	9	20 35.78	+ 0.40	−14.23	32 33 53.08	47.055	− 1.28	+ 38.5	5 20 21.92	.....	+ 6 16 14.8	....
26	δ Orionis	9	27 42.01	+ 0.42	−14.30	39 11 54.32	46.780	− 1.28	+ 49.1	5 27 28.17	.....	− 0 21 50.9	....
27	ζ Orionis	9	36 30.53	+ 0.43	−14.27	40 49 57.35	45.102	− 1.28	+ 52.0	5 36 16.69	.....	− 1 59 18.5	....
28	κ Orionis	9	43 46.65	+ 0.46	−14.30	48 31 53.90	46.490	− 1.28	+1 8.1	5 43 32.84	.....	− 9 42 2.8	....
29	α Orionis	9	50 35.74	+ 0.40	−14.29	31 27 53.28	43.762	− 1.28	+ 36.8	5 50 21.87	.....	+ 7 23 31.4	....
30	8 Monocerotis	9	19 17.75	+ 0.41	−14.28	34 11 52.85	46.642	− 1.28	+ 40.9	6 19 3.87	.....	+ 4 38 21.9	....
31	ζ Geminorum	9	59 4.71	+ 0.34	−14.27	18 7 52.40	48.095	− 1.28	+ 19.8	6 58 50.74	.....	+20 42 10.2	....
32	λ Geminorum	9	13 13.65	+ 0.36	−14.33	22 7 53.28	47.850	− 1.28	+ 24.6	7 12 59.70	.....	+16 42 10.0	....
33	δ Geminorum	9	15 3.48	+ 0.33	−14.30	16 41 52.15	46.255	− 1.28	+ 18.2	7 14 49.49	.....	+22 8 54.1	....
34	ι Geminorum	9	20 27.09	+ 0.30	−14.31	10 51 51.92	47.287	− 1.28	+ 11.7	7 20 13.07	.....	+27 58 37.3	....
	January 27, P.												
35	Sun I, N	9	35 22.25	+ 0.30	−15.36	57 9 48.48	47.823	− 1.10	+1 27.7	20 35 7.19	+68.87	−18 20 47.5	....
36	Sun II, S	9	37 40.00	+ 0.30	−15.36	57 41 48.02	49.070	− 1.10	+1 29.6	20 37 24.94	−68.88	−18 53 17.6	....
37	α Ursæ Minoris	9	27 18.28	−14.82	−15.54	310 1 47.55	46.857	− 2.36	−1 6.7	1 26 47.92	.....	+88 50 10.9	....
38	ζ Ceti	9	47 18.83	+ 0.18	[−15.48]	49 35 51.62	48.235	− 2.36	+1 6.3	1 47 3.46	.....	−10 46 37.5	....
39	ξ¹ Ceti	9	8 31.75	+ 0.14	−15.58	30 25 49.75	43.500	− 2.36	+ 33.2	2 8 16.33	.....	+ 8 25 45.6	....
40	67 Ceti	9	12 47.49	+ 0.17	−15.46	45 39 49.08	47.130	− 2.36	+ 57.8	2 12 32.10	.....	− 7 50 1.2	....
41	ξ² Ceti	9	23 40.52	+ 0.14	−15.61	30 47 50.02	43.670	− 2.36	+ 33.7	2 23 25.10	.....	+ 8 3 41.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 5 53	......	....	32.0
6 21	30.306	33.0	31.2
6 42	......	....	31.0
7 1	......	....	30.3
7 28	......	....	30.0
7 41	30.300	31.5	29.9
12 16	30.236	28.0	26.1
13 27	30.218	27.0	25.1
13 58	......	....	25.0
14 47	......	....	25.0
15 13	30.226	26.0	25.0
18 48	30.274	34.2	33.9
25 20 29	30.254	39.1	40.3
1 28	30.184	43.4	44.3
2 4	30.182	42.1	43.3
5 22	30.168	37.0	36.8
5 38	......	....	36.4
5 52	......	....	36.5
6 20	30.150	35.8	36.2
7 0	......	....	35.4
7 22	30.140	35.0	35.0
27 20 38	29.816	55.8	60.2
1 25	29.754	62.5	62.0
1 51	......	....	60.9
2 17	......	..	60.0

Micrometer bisections are made at II, VI, except as noted below.

7, 19, 24, 41. Bisections at I, II, VI, VII.
9, 10, 22, 37. Bisections at b_4, b_5, b_6.
13, 23. Bisections at II, III, V, VI.
20, 35. Bisections at I, II, III.
21, 36. Bisections at V, VI, VII.
25. Bisections at VI, VII.
32. Bisections at I, II.
34. Bisections at II, VI, VII.

Notes.

12. Micrometer reading decreased 1 rev.
13, 24. Unsteady.
32, 33. Very faint.
34, 37–41. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 0.1	.. ....	...	+ 0.1
19	+ 8.9	.. ....	0.0	+ 8.9
20	+ 7.6	+16 17.0	...	+16 24.6
21	+ 7.5	−16 17.1	...	−16 9.6
35	+ 7.5	−16 15.0	...	−16 7.5
36	+ 7.5	+16 15.1	...	+16 22.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Eridani	9	54 8.21	+ 0.18	**−15.55**	52 35 47.90	45.822	− 2.36	+1 14.1	3 53 52.78	.....	−13 45 46.4	....
	January 27, L.												
2	6 B. Ursæ Minoris	9	15 27.17	− 8.84	−15.91	310 39 45.40	49.067	− 1.36	−1 5.5	12 15 2.42	.....	+88 11 20.4	....
3	89 Virginis	9	45 17.41	+ 0.23	**−16.02**	56 31 48.25	44.456	− 1.36	+1 25.6	13 45 1.69	.....	−17 41 28.0	....
4	κ Virginis	9	8 24.10	+ 0.21	**−15.95**	48 41 48.60	45.795	− 1.36	+1 4.7	14 8 8.35	.....	− 9 51 38.2	....
5	μ Virginis	9	38 37.28	+ 0.20	**−15.92**	44 5 49.50	48.175	− 1.36	+ 55.5	14 38 21.51	.....	− 5 16 24.2	....
6	109 Virginis	9	42 0.17	+ 0.19	**−15.96**	36 33 48.72	47.925	− 1.36	+ 42.5	14 41 44.38	.....	+ 2 15 55.2	....
7	8 Libræ	9	46 0.85	+ 0.22	**−16.07**	54 27 48.78	45.202	− 1.36	+1 20.2	14 45 45.09	.....	−15 37 40.2	....
8	57 B. Ursæ Minoris	9	6 3.72	− 6.49	−15.99	311 17 46.42	46.830	− 1.36	−1 5.3	15 5 41.24	.....	+87 34 10.3	....
9	β Libræ	9	12 27.96	+ 0.21	**−15.99**	47 53 49.08	45.155	− 1.36	+1 3.9	15 12 12.18	.....	− 9 3 23.2	....
10	Mercury II, C	9	56 7.56	+ 0.30	−16.08	59 55 48.35	48.596	− 1.69	+1 41.2	18 55 51.78	− 0.26	−21 7 18.0	....
	January 28, L.												
11	Sun I, N	9	39 31.91	+ 0.26	−16.13	56 53 47.80	49.082	− 1.56	+1 29.6	20 39 16.04	+68.82	−18 5 17.1	....
12	Sun II, S	9	41 49.55	+ 0.26	−16.13	57 25 47.98	50.475	− 1.56	+1 31.5	20 41 33.68	−68.82	−18 37 51.1	....
13	57 B. Ursæ Minoris s. p.	9	5 49.83	+ 7.24	−16.30	306 27 46.60	43.198	− 1.50	−1 19.4	15 5 40.77	.....	+87 34 12.5	....
14	γ² Ursæ Minoris s. p.	9	21 6.32	+ 1.34	−16.31	291 1 46.60	47.598	− 1.50	−2 31.9	15 20 51.35	.....	+72 8 40.3	....
15	γ Orionis	9	20 38.04	+ 0.26	**−16.37**	32 33 46.35	47.365	− 1.50	+ 38.1	5 20 21.93	.....	+ 6 16 15.0	....
16	δ Orionis	9	27 44.24	+ 0.27	**−16.40**	39 11 49.52	47.025	− 1.50	+ 48.6	5 27 28.14	.....	− 0 21 50.9	....
17	ζ Orionis	9	36 32.78	+ 0.28	**−16.38**	40 49 46.72	45.628	− 1.50	+ 51.5	5 36 16.68	.....	− 1 59 19.1	....
18	κ Orionis	9	43 48.86	+ 0.29	**−16.35**	48 31 48.28	46.795	- 1.50	+1 7.4	5 43 32.77	.....	− 9 42 3.2	....
19	α Orionis	9	50 37.98	+ 0.26	**−16.40**	31 27 47.30	44.062	− 1.50	+ 36.4	5 50 21.86	.....	+ 7 23 31.2	....
20	8 Monocerotis	9	19 19.98	+ 0.27	**−16.38**	34 11 46.48	46.940	− 1.50	+ 40.5	6 19 3.85	.....	+ 4 38 22.1	....
21	ζ Geminorum	9	59 6.94	+ 0.23	**−16.38**	18 7 46.28	48.338	− 1.50	+ 19.6	6 58 50.75	.....	+20 42 11.2	....
22	λ Geminorum	9	13 15.86	+ 0.24	**−16.41**	22 7 47.60	48.125	− 1.50	+ 24.3	7 12 59.68	.....	+16 42 10.1	....
23	δ Geminorum	9	15 5.77	+ 0.22	**−16.47**	16 41 48.12	46.442	− 1.50	+ 18.0	7 14 49.57	.....	+22 8 54.3	....
24	ι Geminorum	9	20 29.33	+ 0.20	**−16.44**	10 51 46.08	47.562	− 1.50	+ 11.5	7 20 13.10	.....	+27 58 37.2	....
25	Neptune C, C	9	25 6.07	+ 0.23	−16.43	17 27 46.90	48.254	− 1.50	+ 18.9	7 24 49.87	.....	+21 22 13.2	....
26	κ Geminorum	9	39 21.85	+ 0.22	**−16.41**	14 13 47.50	46.875	− 1.50	+ 15.2	7 39 5.64	.....	+24 36 47.8	....
	January 29, M.												
27	Mercury C, C	9	3 3.43	+ 0.33	−17.34	60 7 48.85	47.228	− 0.75	+1 39.5	19 2 46.42	− 0.09	−21 18 46.5	....
	January 30, M.												
28	Sun I, N	9	47 48.56	+ 0.32	−17.39	56 23 48.38	44.235	− 0.98	+1 26.1	20 47 31.49	+68.55	−17 33 24.0	....
29	Sun II, S	9	50 5.66	+ 0.32	−17.39	56 55 49.40	45.425	− 0.98	+1 27.9	20 49 48.59	−68.55	−18 5 54.1	....
30	50 Cassiopeiæ	9	56 4.26	− 0.53	−17.52	326 51 50.78	46.473	− 1.58	− 38.3	1 55 46.21	.....	+71 59 46.8	....
31	α Draconis s. p.	9	2 15.84	+ 1.06	−17.53	283 43 48.08	43.458	− 1.58	−3 55.7	14 1 59.37	.....	+64 47 43.1	....
32	β Ursæ Minoris s. p.	9	51 14.25	+ 1.49	−17.55	293 23 48.25	47.037	− 1.43	−2 15.5	14 50 58.19	.....	+74 30 45.8	....
33	57 B. Ursæ Minoris s. p.	9	5 53.78	+ 7.40	−17.56	306 27 48.00	43.030	− 1.35	−1 20.0	15 5 43.62	.....	+87 34 9.6	....
34	γ² Ursæ Minoris s. p.	9	21 8.09	+ 1.34	−17.56	291 1 49.20	47.373	− 1.26	−2 32.8	15 20 51.87	.....	+72 8 37.3	....
35	53 Eridani	9	34 23.99	+ 0.33	**−17.73**	53 17 49.55	47.925	− 0.84	+1 20.2	4 34 6.72	.....	−14 28 43.8	....
36	β Orionis	9	10 33.46	+ 0.32	**−17.64**	47 7 50.65	47.397	− 0.87	+1 4.5	5 10 16.16	.....	− 8 18 17.0	....
37	β Tauri	9	20 57.82	+ 0.17	**−17.59**	10 19 47.98	43.560	− 0.92	+ 11.0	5 20 40.37	.....	+28 32 6.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 2 35	29.750	61.0	60.0
3 51	29.724	59.2	58.1
12 16	29.700	57.0	58.7
13 46	......	....	58.7
14 7	29.750	57.0	57.7
14 47	......	....	54.0
15 6	......	....	51.6
15 13	29.850	52.4	50.9
18 56	30.052	49.1	46.9
20 42	30.066	50.1	49.0
28 3 6	30.150	46.1	45.9
3 23	......	....	44.7
5 22	30.188	42.3	42.2
5 37	......	....	42.0
5 52	......	....	42.3
6 20	30.190	42.2	41.7
7 0	......	....	41.0
7 16	......	....	40.7
7 40	30.184	41.3	40.0
29 19 3	29.330	48.5	47.2
30 20 50	29.334	48.0	46.7
2 2	29.486	37.8	35.9
2 51	29.576	36.4	34.6
3 6	......	....	33.8
3 21	29.600	35.0	33.2
4 34	29.630	33.2	31.0
5 11	29.650	31.8	30.6

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, VII.
2, 8, 13, 33.	Bisections at b_1, b_5, b_6.
3, 9, 10, 25, 27, 31.	Bisections at I, II, VI, VII.
4.	Bisections at I, II, VI.
7, 36.	Bisections at II, VI, VII.
11, 28.	Bisections at I, II, III.
12, 29.	Bisections at V, VI, VII.
14.	Bisections at II, III, V, VI.
30.	Bisections at I, II, IV, VI, VII.
32, 34.	Bisections at III, IV, V.

Notes.

1, 2.	Clouds.
4, 8.	Diffuse.
7.	Faint.
30, 31.	Conditions very poor.
34.	Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 8.4	.. ....	0.0	+ 8.4
11	+ 7.5	−16 17.0	...	−16 9.5
12	+ 7.5	+16 17.0	...	+16 24.5
25	+ 0.1	.. ....	...	+ 0.1
27	+ 8.0	.. ....	− 0.1	+ 7.9
28	+ 7.4	−16 15.0	...	−16 7.6
29	+ 7.5	+16 15.0	...	+16 22.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Orionis	7	27 45.44	+ 0.29	−17.63	39 11 50.62	46.950	− 0.96	+ 48.9	5 27 28.10	.....	− 0 21 51.3	....
2	α Leporis	9	29 6.22	+ 0.35	−17.62	56 41 50.58	48.622	− 0.97	+1 31.2	5 28 48.94	.....	−17 53 11.6	....
3	ζ Tauri	8	32 37.49	+ 0.21	−17.64	17 45 49.12	44.942	− 0.98	+ 19.3	5 32 20.07	.....	+21 5 25.8	....
4	ζ Orionis	9	36 33.97	+ 0.30	−17.61	40 49 49.32	45.490	− 1.00	+ 51.9	5 36 16.64	.....	− 1 59 19.4	....
5	κ Orionis	9	43 50.09	+ 0.32	−17.63	48 31 51.72	46.640	− 1.04	+1 7.9	5 43 32.78	.....	− 9 42 4.1	....
6	α Orionis	9	50 39.24	+ 0.27	−17.68	31 27 49.75	43.950	− 1.07	+ 36.8	5 50 21.87	.....	+ 7 23 30.4	....
7	8 Monocerotis	7	19 21.17	+ 0.28	−17.59	34 11 50.08	46.860	− 1.22	+ 40.9	6 19 3.80	.....	+ 4 38 19.8	....
8	ν Geminorum	9	23 58.93	+ 0.22	−17.66	18 33 48.90	48.085	− 1.24	+ 20.3	6 23 41.50	.....	+20 16 13.4	....
9	γ Geminorum	9	32 52.52	+ 0.23	−17.70	22 21 49.68	46.818	− 1.30	+ 24.8	6 32 35.09	.....	+16 28 37.2	....
10	γ Canis Majoris	9	0 2.16	+ 0.34	−17.67	54 19 49.68	46.065	− 1.45	+1 23.8	6 59 44.83	.....	−15 30 4.4	....
11	Neptune C, C	9	24 53.96	+ 0.21	−17.68	17 27 49.70	46.930	− 1.51	+ 19.0	7 24 36.49	.....	+21 22 40.6	....
	January 30, P.												
12	6 B. Ursæ Minoris	9	15 31.72	−12.22	−17.87	310 39 46.70	49.162	− 0.58	−1 10.2	12 15 1.63	.....	+88 11 20.8	....
13	α Ursæ Minoris s. p.	9	26 43.33	+20.22	−17.91	307 41 46.98	48.287	− 0.58	−1 18.3	1 26 45.64	.....	+88 50 11.1	....
14	89 Virginis	9	45 19.20	+ 0.43	−17.91	56 31 47.60	44.195	− 0.58	+1 31.9	13 45 1.72	.....	−17 41 28.5	....
15	α Draconis	9	2 18.00	− 0.39	−17.92	334 3 45.10	46.540	− 0.58	− 29.5	14 1 59.69	.....	+64 47 41.7	....
16	κ Virginis	9	8 25.91	+ 0.40	−17.85	48 41 47.22	45.670	− 0.58	+1 9.3	14 8 8.39	.....	− 9 51 39.3	....
17	ι Virginis	9	11 37.96	+ 0.38	−17.90	44 23 48.35	48.665	− 0.58	+ 59.7	14 11 20.41	.....	− 5 34 39.3	....
18	109 Virginis	9	42 2.04	+ 0.36	−17.90	36 33 48.52	47.815	− 0.58	+ 45.3	14 41 44.46	.....	+ 2 15 54.4	....
19	8 Libræ	9	46 2.63	+ 0.44	−17.97	54 27 48.42	45.020	− 0.58	+1 25.3	14 45 45.13	.....	−15 37 41.6	....
20	β Ursæ Minoris	9	51 16.71	− 0.96	−17.95	324 19 46.18	49.458	− 0.58	− 43.6	14 50 57.80	.....	+74 30 47.2	....
21	57 B. Ursæ Minoris	9	6 8.72	− 8.94	−17.95	311 17 46.20	46.947	− 0.58	−1 9.1	15 5 41.83	.....	+87 34 10.9	....
22	γ^2 Ursæ Minoris	9	21 10.14	− 0.76	−17.96	326 41 46.72	49.698	− 0.58	− 39.9	15 20 51.42	.....	+72 8 38.3	....
23	32 Libræ	9	23 30.78	+ 0.45	−17.95	55 13 48.20	46.948	− 0.58	+1 27.9	15 23 13.27	.....	−16 24 28.0	....
24	ζ Ursæ Minoris	9	47 31.37	− 1.40	−17.97	320 47 47.98	47.201	− 0.58	− 49.6	15 47 12.00	.....	+78 3 42.7	....
	February 2, P.												
25	α Ursæ Minoris s. p.	9	26 43.44	+16.32	−19.99	307 41 46.68	48.208	+ 0.85	−1 17.8	1 26 39.77	.....	+88 50 10.9	....
26	κ Virginis	9	8 28.23	+ 0.39	−20.06	48 41 47.60	45.605	+ 0.62	+1 8.9	14 8 8.61	.....	− 9 51 39.0	....
27	ι Virginis	9	11 40.18	+ 0.38	−20.02	44 23 47.72	48.635	+ 0.60	+ 59.4	14 11 20.54	.....	− 5 34 38.8	....
28	109 Virginis	9	42 4.24	+ 0.35	−19.99	36 33 47.80	47.800	+ 0.43	+ 45.1	14 41 44.56	.....	+ 2 15 54.6	....
29	8 Libræ	9	46 4.82	+ 0.41	−20.03	54 27 47.52	45.028	+ 0.41	+1 24.9	14 45 45.20	.....	−15 37 41.5	....
30	β Ursæ Minoris	9	51 18.99	− 0.77	−20.04	324 19 46.32	49.360	+ 0.38	− 43.4	14 50 58.18	.....	+74 30 48.2	....
31	57 B. Ursæ Minoris	9	6 11.78	− 7.57	−20.04	311 17 45.00	46.907	+ 0.30	−1 8.8	15 5 44.17	.....	+87 34 11.8	....
32	γ^2 Ursæ Minoris	9	21 12.53	− 0.62	−20.05	326 43 46.40	44.381	+ 0.21	− 39.7	15 20 51.86	.....	+72 8 39.1	....
33	32 Libræ	9	23 33.04	+ 0.42	−20.08	55 13 47.20	46.915	+ 0.20	+1 27.6	15 23 13.41	.....	−16 24 26.8	....
34	γ Libræ	9	30 51.64	+ 0.41	−20.02	53 19 46.48	45.120	+ 0.16	+1 21.7	15 30 32.00	.....	−14 29 39.1	....
35	ζ Ursæ Minoris	9	47 33.68	− 1.20	−20.06	320 47 48.48	47.168	+ 0.07	− 49.5	15 47 12.42	.....	+78 3 42.2	....
36	Mercury C	.	.. ..	.....	.....	60 19 46.62	48.862	− 0.55	+1 46.5	19 19	.....	−21 31 28.8	....
	February 3, P.												
37	Sun S	.	.. ..	.....	.....	55 47 48.90	46.470	− 0.70	+1 29.0	21 5	.....	−16 58 18.7	....
38	Sun N	.	.. ..	.....	.....	55 15 50.95	45.045	− 0.70	+1 27.3	.. ..	.....	−16 25 46.7	....
39	Moon S	.	.. ..	.....	.....	39 5 51.40	43.816	− 1.30	+ 48.9	0 35	.....	− 0 14 39.9	....
	February 4, L.												
40	Sun S	.	.. ..	.....	.....	55 29 52.42	47.342	− 0.08	+1 24.8	21 9	.....	−16 40 38.6	....
41	Sun N	.	.. ..	.....	.....	54 57 49.70	46.282	− 0.08	+1 23.1	.. ..	.....	−16 8 10.1	....
42	Moon I, S	9	25 27.97	+ 0.34	−21.26	32 35 49.00	44.773	− 0.99	+ 36.5	1 25 7.05	+66.62	+ 6 15 12.7	. ..

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 5 44	......	....	30.0
5 51	......	....	29.7
6 19	29.680	30.6	29.4
7 0	......	....	28.8
7 25	29.676	29.8	28.2
12 14	29.716	26.9	25.9
13 25	29.756	26.2	25.3
13 48	......	....	25.0
14 14	29.780	25.5	24.9
14 58	......	....	24.6
15 25	29.782	25.0	24.1
15 51	29.796	24.7	23.8
2 13 25	29.892	32.0	30.0
14 14	......	....	28.9
14 39	29.883	29.7	28.0
15 12	......	....	27.9
15 33	......	....	27.3
15 51	29.920	28.0	27.0
19 20	29.966	31.5	28.9
3 21 4	29.970	33.4	30.4
0 35	29.895	34.0	32.0
4 21 11	29.461	39.9	40.0
1 25	29.550	51.1	52.8

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at I. II.
7.	Bisections at VI, VII.
11, 20, 24, 30, 35, 36.	Bisections at I, II, VI, VII.
12, 13, 21, 25, 31.	Bisections at b_4, b_5, b_6.
15.	Bisections at b_4, b_6.
22.	Bisections at III, IV, V.
32.	Bisections at b_1, b_5, b_8, b_9.
37, 40.	Bisections at I. II, III.
38, 41.	Bisections at V, VI, VII.
39, 42.	Bisections at II, III, IV, V, VI.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 0.1	.. ....	...	+ 0.1
36	+ 7.5	.. ....	−0.1	+ 7.4
37	+ 7.4	+16 15.9	...	+16 23.3
38	+ 7.3	−16 16.0	...	−16 8.7
39	+36 27.8	+15 50.6	...	+52 18.4
40	+ 7.3	+16 14.3	...	+16 21.6
41	+ 7.3	−16 14.2	...	−16 6.9
42	+31 21.2	+15 57.5	...	+47 18.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ceti	9	35 15.71	+ 0.35	**−21.31**	38 53 50.65	45.760	− 1.11	+ 46.4	2 34 54.76	.....	− 0 3 21.4	....
2	γ Ceti	9	39 1.78	+ 0.34	**−21.29**	35 59 51.40	43.360	− 1.12	+ 41.8	2 38 40.82	.....	+ 2 51 37.5	....
3	σ Arietis	9	46 55.07	+ 0.30	**−21.26**	24 7 50.18	45.815	− 1.14	+ 25.8	2 46 34.07	.....	+14 42 58.5	....
4	η Eridani	9	52 25.43	+ 0.37	**−21.30**	48 5 52.02	44.560	− 1.15	+1 4.2	2 52 4.49	.....	− 9 15 13.0	....
5	57 B. Ursæ Minoris s. p.	9	5 59.11	+ 6.80	−21.31	306 27 50.02	42.932	− 1.18	−1 17.6	15 5 44.60	.....	+87 34 11.9	....
6	ο Tauri	9	20 22.12	+ 0.32	**−21.34**	30 7 50.50	45.455	− 1.21	+ 33.5	3 20 1.12	.....	+ 8 42 58.8	....
7	ξ Tauri	9	22 41.46	+ 0.32	**−21.35**	29 25 50.32	44.408	− 1.22	+ 32.6	3 22 20.46	.....	+ 9 25 23.8	....
8	f Tauri	9	26 18.17	+ 0.31	**−21.25**	26 11 51.15	48.300	− 1.23	+ 28.5	3 25 57.16	.....	+12 37 58.1	....
9	ε Eridani	9	29 5.13	+ 0.37	**−21.35**	48 35 52.12	45.612	− 1.24	+1 5.5	3 28 44.18	.....	− 9 45 38.4	....
10	δ Eridani	9	39 20.07	+ 0.37	**−21.36**	48 53 51.15	46.410	− 1.26	+1 6.3	3 38 59.11	.....	−10 3 56.4	....
11	γ Eridani	9	54 13.74	+ 0.38	**−21.39**	52 35 50.12	45.605	− 1.29	+1 15.7	3 53 52.78	.....	−13 45 46.4	....
12	o^1 Eridani	9	7 52.34	+ 0.36	**−21.34**	45 53 52.30	47.339	− 1.32	+ 59.8	4 7 31.36	.....	− 7 4 12.2	....
13	γ Orionis	9	20 42.95	+ 0.32	**−21.41**	32 33 49.95	47.300	− 1.36	+ 37.2	5 20 21.89	.....	+ 6 16 13.6	....
14	δ Orionis	9	27 49.08	+ 0.34	**−21.37**	39 11 51.38	47.020	− 1.34	+ 47.5	5 27 28.04	.....	− 0 21 51.8	....
15	ζ Orionis	9	36 37.66	+ 0.34	**−21.39**	40 49 50.80	45.538	− 1.32	+ 50.3	5 36 16.61	.....	− 1 59 20.1	....
16	κ Orionis	9	43 53.77	+ 0.36	**−21.40**	48 31 52.50	46.719	− 1.30	+1 5.8	5 43 32.74	.....	− 9 42 4.3	....
17	α Orionis	9	50 42.90	+ 0.32	**−21.43**	31 27 51.20	43.910	− 1.28	+ 35.6	5 50 21.83	.....	+ 7 23 31.3	....
18	8 Monocerotis	9	19 24.87	+ 0.33	**−21.36**	34 11 51.72	46.758	− 1.20	+ 39.7	6 19 3.79	.....	+ 4 38 21.6	....
19	ζ Geminorum	9	59 11.93	+ 0.28	**−21.43**	18 7 49.70	48.222	− 1.09	+ 19.2	6 58 50.78	.....	+20 42 10.5	....
20	λ Geminorum	9	13 20.77	+ 0.30	**−21.38**	22 7 50.65	48.008	− 1.05	+ 23.9	7 12 59.64	.....	+16 42 9.7	....
21	δ Geminorum	9	15 10.72	+ 0.28	**−21.48**	16 41 50.98	46.322	− 1.04	+ 17.6	7 14 49.57	.....	+22 8 54.1	....
22	ι Geminorum	9	20 34.27	+ 0.26	**−21.43**	10 51 50.58	47.322	− 1.03	+ 11.3	7 20 13.09	.....	+27 58 38.0	....
23	Neptune C, C	9	24 25.19	+ 0.28	−21.44	17 27 51.02	43.689	− 1.02	+ 18.5	7 24 4.03	.....	+21 23 53.3	....
24	κ Geminorum	9	39 26.81	+ 0.27	**−21.40**	14 13 50.82	46.668	− 0.97	+ 15.0	7 39 5.63	.....	+24 36 48.9	....
	February 5, P.												
25	α Draconis s. p.	9	2 20.91	+ 1.14	−21.85	283 43 45.88	43.735	− 1.75	−4 1.4	14 2 0.20	.....	+64 47 41.4	....
26	Moon I, S.	9	18 9.59	+ 0.28	−21.86	26 21 47.98	44.809	− 1.68	+ 30.0	2 17 48.01	+68.47	+12 29 20.1	....
27	δ Ceti	9	35 16.31	+ 0.32	**−21.89**	38 53 47.95	45.775	− 1.61	+ 48.8	2 34 54.76	.....	− 0 3 20.9	....
28	γ Ceti	9	39 2.39	+ 0.31	**−21.89**	35 59 47.00	43.482	− 1.60	+ 43.9	2 38 40.83	.....	+ 2 51 37.3	....
29	β Ursæ Minoris s. p.	9	51 18.92	+ 1.60	−21.88	293 23 46.10	47.351	− 1.55	−2 18.5	14 50 58.64	.....	+74 30 47.0	....
30	57 B. Ursæ Minoris s. p.	9	6 0.67	+ 7.85	−21.88	306 27 48.10	43.170	− 1.48	−1 21.6	15 5 46.64	.....	+87 34 11.2	....
31	ο Tauri	9	20 22.63	+ 0.30	**−21.84**	30 7 49.35	45.425	− 1.42	+ 35.2	3 20 1.04	.....	+ 8 42 59.1	....
32	ξ Tauri	9	22 42.00	+ 0.30	**−21.88**	29 25 49.05	44.385	− 1.41	+ 34.3	3 22 20.41	.....	+ 9 25 24.0	....
33	f Tauri	9	26 18.86	+ 0.29	**−21.93**	26 11 49.78	48.330	− 1.40	+ 29.9	3 25 57.26	.....	+12 37 57.5	....
34	ζ Ursæ Minoris s. p.	9	47 33.01	+ 1.96	−21.90	296 57 46.30	43.748	− 1.31	−1 58.6	15 47 13.07	.....	+78 3 44.7	....
35	λ Tauri	9	56 6.43	+ 0.30	**−21.90**	26 35 47.82	47.205	− 1.27	+ 30.5	3 55 44.82	.....	+12 14 24.5	....
	February 6, P.												
36	Mercury C, C.	9	39 35.23	+ 0.64	−23.06	60 18 18.55	43.519	− 0.12	+1 46.1	19 39 12.81	− 0.06	−21 27 58.6	....
	February 7, P.												
37	Sun I, S.	9	20 22.57	+ 0.62	−23.11	54 35 56.35	45.590	+ 0.21	+1 24.5	21 20 0.08	+67.67	−15 46 2.5	....
38	Sun II, N.	9	22 37.91	+ 0.62	−23.11	54 3 55.12	44.482	+ 0.21	+1 22.8	21 22 15.42	−67.67	−15 13 34.4	....
39	β Ursæ Minoris s. p.	9	51 20.33	+ 1.78	−23.28	293 23 47.40	47.132	− 1.11	−2 16.8	14 50 58.83	.....	+74 30 45.4	....
40	57 B. Ursæ Minoris s. p.	9	6 1.89	+ 8.27	−23.28	306 27 48.68	43.067	− 1.11	−1 20.5	15 5 46.88	.....	+87 34 10.9	....
41	γ^2 Ursæ Minoris s. p.	9	21 13.92	+ 1.62	−23.29	291 1 49.10	47.482	− 1.11	−2 33.7	15 20 52.25	.....	+72 8 38.3	....
42	ε Eridani	9	29 6.92	+ 0.54	**−23.36**	48 35 54.70	45.390	− 1.11	+1 7.9	3 28 44.16	.....	− 9 45 38.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 2 36	......	....	49.9
2 48	29.628	49.3	49.2
3 6	......	....	48.6
3 30	......	....	47.7
3 52	......	....	46.7
4 9	29.650	46.0	46.2
5 21	29.672	45.9	45.2
5 37	......	....	45.1
5 52	......	....	44.9
6 20	29.700	44.2	44.0
6 58	......	....	43.0
7 16	......	....	42.0
7 38	29.740	42.3	41.2
5 1 58	30.016	35.0	33.1
2 21	30.016	34.1	32.4
2 41	......	....	32.0
3 19	......	....	30.7
3 45	......	....	30.0
3 57	30.050	31.1	29.9
6 19 40	29.872	30.1	28.3
7 21 23	29.892	33.6	33.1
2 48	29.948	36.1	36.3
3 8	......	....	36.0
3 26	29.942	35.1	35.5

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at VI, VII.
5, 30, 40.	Bisections at b_4, b_5, b_6.
10–12, 16, 23, 25, 29, 34, 36, 39, 41.	Bisections at I, II, VI, VII.
26.	Bisections at II, III, IV, V, VI.
37.	Bisections at I, II, III.
38.	Bisections at V, VI, VII.

Notes.

5, 11.	Diffuse.
9, 24, 41.	Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
23	+ 0.1	.. ....	...	+ 0.1
26	+25 59.1	+16 3.7	...	+42 2.8
36	+ 7.1	.. ....	− 0.1	+ 7.0
37	+ 7.2	+16 14.1	...	+16 21.3
38	+ 7.2	−16 14.0	...	−16 6.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Eridani	9	39 21.87	+ 0.54	−23.37	48 53 53.50	46.225	− 1.11	+1 8.7	3 38 59.11	.....	−10 3 57.0	....
2	ζ Ursæ Minoris s. p.	9	47 34.23	+ 2.14	−23.30	296 57 48.65	43.508	− 1.11	−1 57.0	15 47 13.07	.....	+78 3 43.4	....
3	γ Eridani	9	54 15.51	+ 0.55	−23.38	52 35 51.10	45.438	− 1.11	+1 18.4	3 53 52.75	.....	−13 45 46.4	....
4	A Tauri	9	59 48.70	+ 0.40	−23.32	16 59 50.65	47.415	− 1.11	+ 18.4	3 59 25.79	.....	+21 50 28.8	....
5	Moon I, S.	9	14 20.72	+ 0.40	−23.32	16 13 51.32	45.343	− 1.11	+ 17.6	4 13 57.80	+73.63	+22 37 16.3	....
6	ε Tauri	9	23 48.01	+ 0.41	−23.27	19 51 50.10	45.640	− 1.11	+ 21.8	4 23 25.10	.....	+18 59 6.5	....
7	α Tauri	9	31 11.71	+ 0.43	−23.27	22 31 51.75	43.235	− 1.11	+ 25.0	4 30 48.81	.....	+16 19 56.6	....
8	53 Eridani	9	34 29.34	+ 0.56	−23.42	53 17 50.18	47.895	− 1.11	+1 20.9	4 34 6.57	.....	−14 28 43.9	....
9	τ Tauri	9	37 17.11	+ 0.39	−23.26	16 3 49.92	45.220	− 1.11	+ 17.4	4 36 54.17	.....	+22 47 20.6	....
10	ι Tauri	9	58 9.61	+ 0.40	−23.24	17 23 51.08	43.565	− 1.11	+ 19.0	4 57 46.67	.....	+21 27 55.7	....
11	γ Orionis	9	20 44.69	+ 0.47	−23.33	32 33 51.02	47.152	− 1.11	+ 38.7	5 20 21.81	.....	+ 6 16 14.2	....
12	δ Orionis	9	27 50.92	+ 0.50	−23.40	39 11 52.15	46.900	− 1.11	+ 49.4	5 27 28.07	.....	− 0 21 51.9	....
13	ζ Orionis	9	36 39.41	+ 0.51	−23.34	40 49 51.08	45.412	− 1.11	+ 52.3	5 36 16.56	.....	− 1 59 19.7	....
14	κ Orionis	9	43 55.47	+ 0.54	−23.31	48 31 51.00	46.642	− 1.11	+1 8.5	5 43 32.65	.....	− 9 42 3.9	....
15	α Orionis	9	50 44.67	+ 0.47	−23.37	31 27 51.38	43.870	− 1.11	+ 37.1	5 50 21.78	.....	+ 7 23 30.4	....
16	8 Monocerotis	9	19 26.71	+ 0.48	−23.37	34 11 52.18	46.690	− 1.11	+ 41.3	6 19 3.81	.....	+ 4 38 21.0	....
	February 9, P.												
17	σ Ophiuchi	9	22 23.73	+ 0.45	[−19.24]	34 38 12.32	44.655	+ 0.03	+ 41.7	17 22 4.93	.....	+ 4 12 45.8	....
18	β Ophiuchi	9	39 22.32	+ 0.45	[−19.27]	34 13 51.98	47.650	− 0.03	+ 41.1	17 39 3.51	.....	+ 4 35 58.4	....
19	ν Ophiuchi	9	54 25.23	+ 0.51	[−19.30]	48 35 51.52	46.418	− 0.08	+1 8.4	17 54 6.47	.....	− 9 46 0.3	....
20	δ Ursæ Minoris	9	1 10.06	− 5.54	−19.28	312 15 49.62	45.833	− 0.10	−1 6.0	18 0 45.24	.....	+86 36 29.3	....
21	η Serpentis	9	16 59.81	+ 0.49	[−19.29]	41 45 50.45	45.985	− 0.15	+ 53.8	18 16 41.02	.....	− 2 55 34.7	....
22	3 H. Scuti	9	30 39.39	+ 0.51	[−19.36]	47 7 52.32	48.175	− 0.19	+1 4.8	18 30 20.61	.....	− 8 18 37.5	....
23	Mercury C	.	.. ..	....	.....	60 1 52.60	48.489	− 0.41	+1 43.5	19 55	.....	−21 13 23.4	....
	February 10, P.												
24	Sun S	.	.. ..	....	.....	53 37 53.18	48.587	− 0.47	+1 21.3	21 33	.....	−14 49 3.9	....
25	Sun N	.	.. ..	....	.....	53 5 52.38	47.532	− 0.47	+1 19.7	.. ..	.....	−14 16 37.6	....
26	57 B. Ursæ Minoris s. p.	9	5 59.50	+ 8.05	−19.54	306 27 49.78	43.065	− 1.45	−1 21.3	15 5 48.01	.....	+87 34 10.8	....
27	γ^2 Ursæ Minoris s. p.	9	21 10.33	+ 1.56	−19.54	291 1 49.15	47.584	− 1.45	−2 35.1	15 20 52.35	.....	+72 8 39.0	....
28	ζ Ursæ Minoris s. p.	9	47 30.68	+ 2.07	−19.56	296 57 50.25	43.518	− 1.45	−1 58.0	15 47 13.19	.....	+78 3 43.9	....
29	β Orionis	9	10 35.12	+ 0.51	−19.62	47 7 52.28	47.290	− 1.50	+1 5.4	5 10 16.03	.....	− 8 18 16.5	....
30	τ Orionis	9	13 36.52	+ 0.50	−19.54	45 45 51.38	47.855	− 1.49	+1 2.4	5 13 17.42	.....	− 6 56 25.6	....
31	γ Orionis	9	20 40.95	+ 0.45	−19.60	32 33 51.55	47.125	− 1.47	+ 38.9	5 20 21.80	.....	+ 6 16 14.4	....
32	δ Orionis	9	27 47.12	+ 0.48	−19.61	39 11 53.62	46.825	− 1.46	+ 49.6	5 27 28.00	.....	− 0 21 51.7	....
33	α Leporis	9	29 7.90	+ 0.55	−19.63	56 41 52.22	48.535	− 1.45	+1 32.6	5 28 48.84	.....	−17 53 12.1	....
34	ζ Orionis	9	36 35.67	+ 0.48	−19.60	40 49 49.85	45.485	− 1.44	+ 52.6	5 36 16.54	.....	− 1 59 20.1	....
35	κ Orionis	9	43 51.77	+ 0.51	−19.61	48 31 52.40	46.595	− 1.42	+1 10.5	5 43 32.67	.....	− 9 42 5.9	....
36	α Orionis	9	50 40.87	+ 0.44	−19.57	31 27 51.68	43.850	− 1.40	+ 37.3	5 50 21.69	.....	+ 7 23 30.6	....
37	δ Ursæ Minoris s. p.	9	0 59.33	+ 5.92	−19.62	305 29 48.88	44.070	− 1.38	−1 25.0	18 0 45.63	.....	+86 36 29.2	....
38	8 Monocerotis	9	19 22.94	+ 0.46	−19.61	34 11 52.00	46.680	− 1.34	+ 41.4	6 19 3.77	.....	+ 4 38 21.5	....
39	α Canis Majoris	9	41 33.38	+ 0.54	−19.64	55 25 51.42	44.672	− 1.29	+1 28.4	6 41 14.28	.....	−16 35 39.1	....
40	ζ Geminorum	9	59 9.96	+ 0.38	−19.59	18 7 51.30	48.108	− 1.24	+ 20.1	6 58 50.69	.....	+20 42 10.7	....
41	δ Geminorum	9	15 8.78	+ 0.37	−19.63	16 41 51.25	46.268	− 1.21	+ 18.4	7 14 49.49	.....	+22 8 54.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 3 49	......	....	34.8
4 2	......	....	34.0
4 17	29.958	34.0	33.1
4 40	......	....	32.4
5 0	......	....	32.0
5 18	29.972	32.1	31.1
5 40	......	....	30.8
5 53	......	....	30.6
6 21	29.980	31.0	30.0
9 17 24	29.740	29.1	28.6
17 42	......	....	29.0
18 6	......	....	29.8
18 20	29.760	31.1	30.6
18 34	......	....	31.3
18 53	29.772	33.5	....
19 57	29.790	36.0	34.1
10 21 35	29.840	35.8	33.9
3 10	29.960	32.2	31.9
3 24	......	....	31.8
3 51	29.965	31.5	31.0
5 8	30.010	30.1	30.0
5 32	......	....	29.1
5 53	......	....	29.0
6 4	30.035	29.2	28.9
6 22	......	....	28.7
6 43	30.040	29.0	28.1
7 1	......	....	28.0

Micrometer bisections are made at II, VI, except as noted below.

1, 18.	Bisections at II, VI, VII.
2, 22, 23, 27, 28.	Bisections at I, II, VI, VII.
5.	Bisections at II, III, IV, V, VI
8.	Bisections at VI, VII.
20, 26, 37.	Bisections at b_4, b_5, b_6.
24.	Bisections at I, II, III.
25.	Bisections at V, VI, VII.
32.	Bisections at I, II.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+16 28.2	+16 13.3	...	+32 41.5
23	+ 6.8	.. ....	− 0.1	+ 6.7
24	+ 7.2	+16 13.1	...	+16 20.3
25	+ 7.1	−16 13.1	...	−16 6.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Geminorum	9	20 32.43	+ 0.34	**−19.68**	10 51 51.42	47.275	− 1.20	+ 11.8	7 20 13.11	.....	+27 58 37.9	....
2	Moon I, N	9	32 42.21	+ 0.36	−19.67	12 25 49.65	42.899	− 1.17	+ 13.5	7 32 22.90	+75.78	+26 26 17.9	....
3	β Geminorum	9	40 12.72	+ 0.34	**−19.62**	10 35 51.75	47.385	− 1.15	+ 11.5	7 39 53.39	.....	+28 14 35.3	....
4	φ Geminorum	9	48 23.54	+ 0.34	**−19.59**	11 49 50.35	49.192	− 1.13	+ 12.9	7 48 4.21	.....	+26 59 54.0	....
	February 10, M.												
5	α Ursæ Minoris S. P.	7	26 35.78	+16.76	−19.79	307 41 53.45	47.995	− 0.72	−1 19.3	1 26 32.75	.....	+88 50 9.8	....
6	50 Cassiopeiæ S. P.	9	56 3.94	+ 1.60	−19.80	290 53 53.42	45.148	− 0.72	−2 39.8	1 55 45.74	.....	+71 59 44.2	....
7	α Draconis	9	2 20.41	− 0.15	−19.81	334 3 53.58	46.162	− 0.72	− 29.9	14 2 0.45	.....	+64 47 42.4	....
8	κ Virginis	9	8 28.11	+ 0.53	**−19.83**	48 41 53.65	45.470	− 0.72	+1 10.2	14 8 8.83	.....	− 9 51 41.9	....
9	ι Virginis	9	11 40.17	+ 0.51	**−19.89**	44 25 54.58	43.260	− 0.72	+1 0.4	14 11 20.87	.....	− 5 34 42.5	....
10	109 Virginis	9	42 4.20	+ 0.49	**−19.84**	36 33 54.02	47.688	− 0.72	+ 45.8	14 41 44.87	.....	+ 2 15 51.4	....
11	8 Libræ	9	46 4.84	+ 0.56	**−19.93**	54 27 52.92	44.902	− 0.72	+1 26.2	14 45 45.57	.....	−15 37 44.2	....
12	β Ursæ Minoris	9	51 19.46	− 0.62	−19.83	324 19 52.50	49.238	− 0.72	− 44.0	14 50 59.01	.....	+74 30 47.2	....
13	57 B. Ursæ Minoris	9	6 15.50	− 7.16	−19.84	311 17 52.90	46.710	− 0.72	−1 9.9	15 5 48.50	.....	+87 34 10.5	....
14	β Libræ	9	12 31.96	+ 0.54	**−19.86**	47 53 53.92	44.850	− 0.72	+1 8.3	15 12 12.66	.....	− 9 3 26.1	....
15	γ^2 Ursæ Minoris	8	21 12.80	− 0.44	−19.84	326 43 53.25	44.195	− 0.72	− 40.4	15 20 52.52	.....	+72 8 38.1	....
16	32 Libræ	9	23 32.96	+ 0.57	**−19.88**	55 13 53.42	46.795	− 0.72	+1 29.0	15 23 13.69	.....	−16 24 30.7	....
	February 11, M.												
17	Sun I, S	9	36 13.84	+ 0.58	−20.04	53 19 53.95	44.615	− 0.25	+1 20.5	21 35 54.38	+67.15	−14 29 33.3	....
18	Sun II, N	9	38 28.14	+ 0.58	−20.04	52 47 50.88	43.832	− 0.25	+1 18.9	21 38 8.68	−67.15	−13 57 10.9	....
	February 12, P.												
19	κ Cancri	9	3 17.53	+ 0.32	**−21.05**	27 47 50.88	49.122	− 1.56	+ 31.4	9 2 56.72	.....	+11 1 37.0	....
20	83 Cancri	9	14 22.97	+ 0.29	**−21.09**	20 45 48.30	46.045	− 1.56	+ 22.6	9 14 2.12	.....	+18 4 58.7	....
21	ξ Leonis	9	27 30.96	+ 0.32	**−21.14**	27 7 49.08	49.175	− 1.56	+ 30.5	9 27 10.14	.....	+11 41 38.5	....
22	Moon I, N	9	37 33.59	+ 0.31	−21.15	19 31 50.68	47.760	− 1.56	+ 21.2	9 37 12.75	+70.55	+19 18 18.5	....
23	Moon II	9	39 54.67	+ 0.31	−21.15	... .	......	....	.....	9 39 33.83	−70.53	.. ..	....
24	π Leonis	9	55 52.56	+ 0.35	**−21.15**	30 21 49.58	47.335	− 1.56	+ 34.9	9 55 31.76	.....	+ 8 28 15.7	....
25	η Leonis	9	2 50.97	+ 0.32	**−21.24**	21 37 49.62	49.090	− 1.56	+ 23.7	10 2 30.13	.....	+17 11 46.5	....
26	α Leonis	9	3 59.97	+ 0.33	**−21.12**	26 25 48.62	48.010	− 1.56	+ 29.6	10 3 39.14	.....	+12 24 6.5	....
	February 12, L.												
27	α Ursæ Minoris S. P.	9	26 32.89	+16.16	−21.32	307 41 49.30	48.138	− 1.24	−1 16.8	1 26 27.73	.....	+88 50 10.9	....
28	109 Virginis	9	42 5.85	+ 0.38	**−21.32**	36 33 50.38	47.890	− 1.24	+ 44.2	14 41 44.88	.....	+ 2 15 52.6	....
29	α Libræ	9	46 17.97	+ 0.45	**−21.43**	54 29 50.62	46.860	− 1.24	+1 23.5	14 45 57.06	.....	−15 40 23.4	....
30	β Ursæ Minoris	9	51 21.09	− 0.66	−21.36	324 19 50.00	49.355	− 1.24	− 42.6	14 50 59.07	.....	+74 30 46.2	....
31	57 B. Ursæ Minoris	9	6 16.89	− 6.99	−21.36	311 17 48.98	46.852	− 1.24	−1 7.7	15 5 48.54	.....	+87 34 9.5	....
32	β Libræ	9	12 33.69	+ 0.42	**−21.40**	47 53 51.90	45.010	− 1.24	+1 6.2	15 12 12.74	.....	− 9 3 24.9	....
33	γ^2 Ursæ Minoris	9	21 14.43	− 0.50	−21.37	326 43 50.05	44.380	− 1.24	− 39.2	15 20 52.56	.....	+72 8 36.1	....
34	32 Libræ	9	23 34.67	+ 0.45	**−21.40**	55 13 51.95	46.930	− 1.24	+1 26.3	15 23 13.75	.....	−16 24 29.1	....
35	γ Libræ	9	30 53.28	+ 0.44	**−21.36**	53 19 50.28	45.148	− 1.24	+1 20.5	15 30 32.34	.....	−14 29 40.8	....
36	μ Serpentis	9	45 19.01	+ 0.40	**−21.35**	41 59 50.32	46.230	− 1.24	+ 54.1	15 44 58.03	.....	− 3 9 39.3	....
37	ν Scorpii (*mean*)	9	7 9.55	+ 0.46	**−21.45**	58 3 52.08	44.942	− 1.24	+1 36.2	16 6 48.62	.....	−19 13 53.7	....
	February 13, L.												
38	Sun I, N	9	44 8.02	+ 0.43	−21.55	52 7 52.58	44.793	− 0.83	+1 14.6	21 43 46.90	+66.94	−13 17 29.5	....
39	Sun II, S	9	46 21.91	+ 0.43	−21.55	52 39 52.20	45.903	− 0.83	+1 16.1	21 46 0.79	−66.95	−13 49 56.2	....
40	57 B. Ursæ Minoris S. P.	9	6 4.67	+ 6.04	−21.70	306 27 51.90	42.768	− 1.61	−1 17.2	15 5 49.01	.....	+87 34 10.1	....
41	γ^2 Ursæ Minoris S. P.	9	21 13.08	+ 1.20	−21.71	291 1 45.95	47.345	− 1.61	−2 27.3	15 20 52.57	.....	+72 8 38.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 7 26	....	....	28.1
7 50	30.062	28.2	28.0
13 27	30.070	24.3	24.0
13 56	....	....	23.5
14 12	30.084	24.2	24.2
14 42	....	....	24.3
15 13	....	....	23.7
15 24	30.100	23.7	23.1
11 21 38	30.165	38.0	38.2
12 9 0	29.906	38.3	38.0
9 20	....	....	38.0
9 40	29.900	38.2	38.1
10 6	29.896	38.2	38.1
13 27	29.866	36.1	35.9
14 40	29.882	36.5	37.0
15 7	....	....	35.0
15 24	....	....	33.9
15 46	....	....	33.1
16 8	29.882	34.3	33.2
13 21 46	29.796	46.0	47.7
3 7	[illegible]	52.7	53.7
3 20	....	....	53.1

Micrometer bisections are made at II, VI, except as noted below.

2, 22. Bisections at II, III, IV, V, VI.
5, 13, 27, 31, 40. Bisections at b_4, b_5, b_6.
6, 7, 12, 15, 30. Bisections at III, IV, V.
17, 38. Bisections at I, II, III.
18, 39. Bisections at V, VI, VII.
25. Bisections at I, II.
26, 35. Bisections at II, VI, VII.
29, 37. Bisections at I, II, VI, VII.
32. Bisections at VI, VII.
33. Bisections at II, III.
41. Bisections at II, III, V, VI.

Notes.

9. Circle reading increased 2′.
28, 40. Faint.
36, 37. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+12 38.4	−16 13.6	...	− 3 35.2
17	+ 7.1	+16 11.2	...	+16 18.3
18	+ 7.1	−16 11.2	...	−16 4.1
22	+19 28.0	−15 59.8	...	+ 3 28.2
38	+ 7.0	−16 13.3	...	−16 6.3
39	+ 7.1	+16 13.3	...	+16 20.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Ursæ Minoris s. p.	9	47 33.54	+ 1.58	−21.72	296 57 48.88	43.354	− 1.61	−1 53.1	15 47 13.40	.....	+78 3 43.5	....
2	151 H^1. Cephei	9	8 40.56	− 2.48	−21.73	313 31 46.80	48.130	− 1.61	−1 1.0	4 8 16.35	.....	+85 19 36.2	....
3	γ Orionis	9	20 43.22	+ 0.31	−21.77	32 33 49.88	47.308	− 1.61	+ 37.4	5 20 21.76	.....	+ 6 16 13.5	....
4	δ Orionis	9	27 49.39	+ 0.32	−21.76	39 11 52.12	47.030	− 1.61	+ 47.8	5 27 27.94	.....	− 0 21 52.7	....
5	ζ Orionis	9	36 37.96	+ 0.33	−21.78	40 49 50.20	45.582	− 1.61	+ 50.6	5 36 16.52	.....	− 1 59 20.5	....
6	κ Orionis	9	43 54.13	+ 0.34	−21.84	48 31 51.68	46.772	− 1.61	+1 6.3	5 43 32.69	.....	− 9 42 4.9	....
7	α Orionis	9	50 43.22	+ 0.31	−21.82	31 27 50.95	43.968	− 1.61	+ 35.9	5 50 21.75	.....	+ 7 23 30.3	....
8	8 Monocerotis	9	19 25.27	+ 0.31	−21.82	34 11 50.25	46.878	− 1.61	+ 39.9	6 19 3.79	.....	+ 4 38 20.5	....
	February 13, P.												
9	α Leonis	9	4 0.70	+ 0.28	−21.79	26 25 48.08	48.060	− 1.53	+ 29.3	10 3 39.14	.....	+12 24 6.1	....
10	ζ Leonis	9	12 7.46	+ 0.24	−21.82	14 59 46.65	44.708	− 1.57	+ 15.8	10 11 45.85	.....	+23 51 37.7	....
11	ρ Leonis	9	28 30.18	+ 0.29	−21.80	29 3 49.10	48.565	− 1.64	+ 32.8	10 28 8.61	.....	+ 9 45 50.2	....
12	Moon N	.	.. ..	....	.....	24 55 49.32	44.197	− 1.66	+ 27.4	.. ..	.....	+13 55 31.0	....
13	Moon II, S	9	35 23.47	+ 0.29	−21.86	25 27 50.33	44.888	− 1.66	+ 28.1	10 35 1.90	−67.66	+13 23 21.8	....
14	41 Leonis Minoris	9	38 57.63	+ 0.24	−21.85	15 11 49.60	45.695	− 1.68	+ 16.1	10 38 36.01	.....	+23 39 12.0	....
15	*d* Leonis	9	56 20.42	+ 0.31	−21.86	34 43 49.32	48.645	− 1.76	+ 40.9	10 55 58.86	.....	+ 4 5 40.2	....
16	θ Leonis	9	9 56.97	+ 0.27	−21.90	22 55 48.22	46.205	− 1.82	+ 25.0	11 9 35.36	.....	+15 54 53.0	....
	February 17, P.												
17	Sun N	.	.. ..	....	.....	50 45 51.95	45.273	− 0.94	+1 12.4	22 0	.....	−11 55 37.6	....
18	Sun S	.	.. ..	....	.....	51 17 50.98	46.323	− 0.94	+1 13.8	.. ..	.....	−12 28 2.2	....
19	γ Orionis	9	20 45.81	+ 0.34	−24.44	32 33 46.28	47.475	− 1.76	+ 37.3	5 20 21.72	.....	+ 6 16 13.7	....
20	δ Orionis	9	27 51.99	+ 0.36	−24.45	39 11 47.40	47.250	− 1.79	+ 47.7	5 27 27.92	.....	− 0 21 53.0	....
21	α Leporis	9	29 12.72	+ 0.41	−24.42	56 41 48.08	48.965	− 1.79	+1 28.9	5 28 48.70	.....	−17 53 13.8	....
22	ζ Orionis	9	36 40.49	+ 0.37	−24.40	40 49 48.95	45.688	− 1.82	+ 50.5	5 36 16.43	.....	− 1 59 21.4	....
23	κ Orionis	9	43 56.67	+ 0.39	−24.48	48 31 49.22	46.940	− 1.84	+1 6.1	5 43 32.62	.....	− 9 42 5.8	....
24	α Orionis	9	50 45.74	+ 0.34	−24.41	31 27 49.75	44.078	− 1.87	+ 35.8	5 50 21.64	.....	+ 7 23 29.3	....
	February 18, P.												
25	Moon II, S	9	34 40.41	+ 0.41	−25.39	54 39 47.55	45.580	− 1.01	+1 24.0	14 34 15.43	−63.80	−15 49 51.9	....
26	α Libræ	9	46 22.24	+ 0.40	−25.47	54 29 47.42	47.074	− 1.01	+1 23.6	14 45 57.25	.....	−15 40 25.4	....
27	ξ^2 Libræ	9	52 21.18	+ 0.38	−25.35	49 53 49.82	44.285	− 1.01	+1 10.8	14 51 56.17	.....	−11 3 11.3	....
28	57 B. Ursæ Minoris	9	6 25.00	− 6.93	−25.40	311 17 47.05	46.913	− 1.01	−1 6.1	15 5 52.67	.....	+87 34 8.2	....
29	32 Libræ	9	23 38.89	+ 0.40	−25.37	55 13 46.75	47.190	− 1.01	+1 26.2	15 23 13.88	.....	−16 24 30.0	....
30	γ Libræ	9	30 57.52	+ 0.40	−25.37	53 19 47.52	45.320	− 1.01	+1 20.4	15 30 32.51	.....	−14 29 42.2	....
31	ζ Ursæ Minoris	9	47 40.73	− 1.12	−25.42	320 47 47.95	47.258	− 1.01	− 48.7	15 47 14.19	.....	+78 3 41.0	....
32	β^1 Scorpii	9	0 40.18	+ 0.42	−25.43	58 23 48.25	44.900	− 1.01	+1 37.4	16 0 15.17	.....	−19 33 50.3	....
33	ν Scorpii (*mean*)	9	7 13.81	+ 0.42	−25.47	58 3 47.45	45.145	− 1.01	+1 36.2	16 6 48.80	.....	−19 13 53.9	....
34	σ Ophiuchi	9	22 30.28	+ 0.34	[−25.42]	34 37 47.75	45.761	− 0.68	+ 41.5	17 22 5.15	.....	+ 4 12 46.0	....
35	β Ophiuchi	9	39 28.91	+ 0.34	[−25.49]	34 13 47.12	47.911	− 0.59	+ 40.9	17 39 3.78	.....	+ 4 35 58.0	....
36	ν Ophiuchi	9	54 31.74	+ 0.40	[−25.44]	48 35 47.55	46.635	− 0.52	+1 8.3	17 54 6.66	.....	− 9 46 0.7	....
	February 20, P.												
37	ι Libræ	9	7 34.91	+ 0.59	−26.82	58 15 43.70	49.075	+ 0.31	+1 39.6	15 7 8.66	.....	−19 27 24.7	....
38	β Libræ	9	12 39.21	+ 0.54	−26.79	47 53 44.75	45.248	+ 0.34	+1 8.1	15 12 12.91	.....	− 9 3 26.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 3 49	......	....	47.3
4 9	29.770	48.1	46.1
5 21	29.772	45.0	43.8
5 37	......	....	43.3
5 51	......	....	43.0
6 20	29.768	44.0	42.8
10 1	29.748	41.0	40.2
10 20	......	....	40.0
10 36	29.748	40.8	40.0
11 1	......	....	39.3
11 11	29.744	40.2	39.1
17 22 2	30.100	42.2	43.8
5 22	29.852	42.2	46.0
5 40	......	....	45.6
5 52	29.836	46.1	45.2
18 14 32	29.800	37.0	35.0
14 54	......	....	34.9
15 12	......	....	33.8
15 33	29.814	34.5	33.0
15 53	......	....	32.5
16 9	29.824	33.5	32.1
17 20	29.838	33.4	32.0
17 42	......	....	32.7
17 58	......	....	31.1
18 17	29.860	35.2	....
20 15 5	29.900	23.1	21.5

Micrometer bisections are made at II, VI, except as noted below.

1, 23, 26, 31, 34, 35.	Bisections at I, II, VI, VII.
2, 28.	Bisections at b_4, b_5, b_6.
12, 17.	Bisections at I, II, III.
13, 18.	Bisections at V, VI, VII.
19.	Bisections at VI, VII.
20.	Bisections at I, II.
25.	Bisections at II, III, IV, V, VI.

Notes.

9-24, 26, 27.	Clouds.
22.	One microscope reading increased 10″.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+24 17.2	−15 49.9	...	+ 8 27.3
13	+24 46.7	+15 49.9	− 0.1	+40 36.5
17	+ 6.9	−16 12.3	...	−16 5.4
18	+ 6.9	+16 12.3	...	+16 19.2
25	+44 29.8	+14 55.6	...	+59 25.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Ursæ Minoris	9	21 20.72	− 0.61	−26.85	326 43 42.58	44.645	+ 0.39	− 40.2	15 20 53.26	.....	+72 8 37.2	....
2	32 Libræ	9	23 40.21	+ 0.58	−26.81	55 13 41.85	47.270	+ 0.41	+1 28.6	15 23 13.94	.....	−16 24 30.7	....
3	γ Libræ	9	30 58.81	+ 0.57	−26.77	53 19 43.00	45.370	+ 0.46	+1 22.6	15 30 32.53	.....	−14 29 42.5	....
4	ζ Ursæ Minoris	9	47 42.61	− 1.19	−26.86	320 47 45.85	47.320	+ 0.57	− 50.1	15 47 14.56	.....	+78 3 41.5	....
5	β¹ Scorpii	9	0 41.61	+ 0.60	−26.98	58 23 43.70	44.930	+ 0.65	+1 40.1	16 0 15.34	.....	−19 33 50.8	....
6	ν Scorpii (*mean*)	9	7 15.16	+ 0.61	−26.94	58 3 43.02	45.160	+ 0.69	+1 38.8	16 6 48.90	.....	−19 13 54.1	....
7	Moon II, S.	8	12 48.64	+ 0.61	−26.87	62 55 42.60	45.679	+ 0.72	+2 0.4	16 12 22.41	−66.64	−24 6 27.3	....
8	σ Ophiuchi	9	22 31.55	+ 0.51	[−26.80]	34 37 50.75	45.499	+ 1.01	+ 42.6	17 22 5.16	.....	+ 4 12 46.2	....
9	β Ophiuchi	9	39 30.16	+ 0.51	[−26.85]	34 13 52.10	47.570	+ 1.06	+ 42.0	17 39 3.76	.....	+ 4 35 58.0	....
10	ν Ophiuchi	9	54 33.07	+ 0.57	[−26.88]	48 35 53.05	46.235	+ 1.10	+1 9.8	17 54 6.72	.....	− 9 46 0.2	....
11	δ Ursæ Minoris	9	1 20.94	− 5.41	−26.92	312 15 49.98	45.898	+ 1.13	−1 7.4	18 0 48.61	.....	+86 36 27.7	....
12	η Serpentis	9	17 7.67	+ 0.54	[−26.90]	41 45 51.10	45.875	+ 1.17	+ 55.0	18 16 41.28	.....	− 2 55 35.3	....
13	3 H. Scuti	8	30 47.21	+ 0.56	[−26.93]	47 7 52.20	48.099	+ 1.21	+1 6.3	18 30 20.83	.....	− 8 18 38.6	....
14	θ Serpentis	9	52 13.09	+ 0.51	[−26.98]	34 45 52.55	44.948	+ 1.25	+ 42.6	18 51 46.65	.....	+ 4 4 56.8	....
15	Mercury C, C.	9	0 37.22	+ 0.59	−26.97	57 33 52.08	45.464	+ 0.57	+1 36.2	21 0 10.84	− 0.03	−18 44 7.4	....
	February 21, P.												
16	Sun I, S.	9	15 13.89	+ 0.54	−27.00	49 51 56.70	48.675	+ 0.15	+1 12.4	22 14 47.43	+66.17	−11 3 1.1	....
17	Sun II, N.	9	17 26.24	+ 0.54	−27.00	49 19 57.10	47.642	+ 0.15	+1 11.1	22 16 59.78	−66.18	−10 30 36.8	....
18	ζ Ursæ Minoris s. p.	9	47 39.58	+ 2.30	−27.12	296 57 51.82	43.386	− 1.00	−1 58.3	15 47 14.76	.....	+78 3 42.6	....
19	151 H¹. Cephei	9	8 44.61	− 3.76	−27.13	313 31 52.00	47.955	− 1.00	−1 3.5	4 8 13.72	.....	+85 19 36.9	....
20	γ Orionis	9	20 48.37	+ 0.48	−27.20	32 33 53.25	47.062	− 1.00	+ 38.9	5 20 21.68	.....	+ 6 16 13.7	....
21	δ Orionis	9	27 54.48	+ 0.51	−27.15	39 11 51.95	46.780	− 2.88	+ 49.6	5 27 27.82	.....	− 0 21 53.1	....
22	ζ Orionis	9	36 43.02	+ 0.52	−27.14	40 49 52.95	45.375	− 1.00	+ 52.6	5 36 16.36	.....	− 1 59 21.2	....
23	κ Orionis	9	43 59.20	+ 0.55	−27.23	48 31 53.30	46.600	− 1.00	+1 8.9	5 43 32.57	.....	− 9 42 5.8	....
24	α Orionis	9	50 48.37	+ 0.47	−27.23	31 27 53.70	43.790	− 1.00	+ 37.3	5 50 21.66	.....	+ 7 23 29.6	....
25	δ Ursæ Minoris s. p.	9	1 9.33	+ 6.62	−27.19	305 29 51.50	43.803	− 1.00	−1 25.0	18 0 48.76	.....	+86 36 26.1	....
26	8 Monocerotis	9	19 30.31	+ 0.49	−27.12	34 11 53.80	46.630	− 1.00	+ 11.4	6 19 3.60	.....	+ 4 38 20.5	....
	February 22, M.												
27	σ Ophiuchi	9	22 32.99	+ 0.45	[−28.12]	34 37 55.35	45.468	− 0.72	+ 42.1	17 22 5.25	.....	+ 4 12 44.5	....
28	β Ophiuchi	9	39 31.52	+ 0.44	[−28.08]	34 13 54.55	47.612	− 0.72	+ 41.5	17 39 3.77	.....	+ 4 35 56.9	....
29	ν Ophiuchi	9	54 34.44	+ 0.52	[−28.14]	48 35 55.18	46.270	− 0.72	+1 9.1	17 54 6.76	.....	− 9 46 0.6	....
30	Moon II	8	0 7.91	+ 0.64	−28.19	66 50	......	....	.....	17 59 40.36	−69.50	.. ..	....
31	η Serpentis	9	17 9.07	+ 0.48	[−28.18]	41 45 54.48	45.878	− 0.72	+ 54.4	18 16 41.34	.....	− 2 55 36.3	....
32	3 H. Scuti	9	30 48.56	+ 0.51	[−28.18]	47 7 55.42	48.095	− 0.72	+1 5.5	18 30 20.85	.....	− 8 18 39.0	....
33	θ Serpentis	9	52 14.42	+ 0.45	[−28.20]	34 45 55.00	44.960	− 0.72	+ 42.3	18 51 46.64	.....	+ 4 4 56.4	....
34	Mercury C, C.	9	13 5.45	+ 0.57	−28.28	56 49 55.65	45.592	− 0.81	+1 32.2	21 12 37.74	− 0.02	−18 0 8.5	....
	February 23, M.												
35	Sun I, N.	8	22 53.63	+ 0.54	−28.31	48 37 57.52	43.888	− 0.81	+1 8.2	22 22 25.86	+66.02	− 9 47 7.4	....
36	Sun II, S.	9	25 5.66	+ 0.54	−28.31	49 9 56.45	44.710	− 0.81	+1 9.4	22 24 37.89	−66.01	−10 19 26.5	....
37	ζ Ursæ Minoris s. p.	9	47 41.26	+ 2.22	−28.48	296 57 52.52	43.173	− 2.04	−1 55.5	15 47 15.00	.....	+78 3 41.1	....
38	151 H¹. Cephei	9	8 45.50	− 3.73	−28.49	313 31 53.55	47.807	− 2.04	−1 2.1	4 8 13.28	.....	+85 19 38.0	....
39	ν Eridani	9	32 20.24	+ 0.49	−28.51	42 21 52.12	47.255	− 2.04	+ 54.2	4 31 52.22	.....	− 3 32 3.9	....
40	53 Eridani	9	34 34.25	+ 0.54	−28.57	53 17 52.72	47.900	− 2.04	+1 19.6	4 34 6.28	.....	−14 28 44.5	....
41	π³ Orionis	9	45 28.55	+ 0.44	−28.52	32 1 51.80	46.760	− 2.04	+ 37.2	4 45 0.48	.....	+ 6 48 24.7	....
42	ε Ursæ Minoris s. p.	9	55 28.14	+ 3.11	−28.52	301 3 51.50	44.983	− 2.04	−1 38.1	16 55 2.73	.....	+82 10 38.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 15 27	......	....	22.0
15 51	29.907	23.0	21.0
16 13	29.912	22.5	21.0
17 20	29.928	22.8	21.5
17 43	......	....	22.0
18 8	......	....	22.9
18 19	......	....	23.0
18 33	29.957	25.8	23.1
18 54	29.972	25.2	24.0
21 1	[illegible]	27.1	25.6
21 22 17	29.978	28.5	26.9
3 45	29.910	30.0	29.1
4 12	29.918	29.2	28.8
5 18	29.914	28.2	28.0
5 40	......	....	27.5
5 59	......	....	27.0
6 21	29.912	27.0	27.0
22 17 23	29.934	27.3	25.8
18 31	......	....	28.5
18 52	29.970	30.0	28.8
21 14	29.975	33.3	32.3
23 22 25	29.958	34.7	31.3
3 48	29.874	39.4	39.6
4 32	......	....	37.8

Micrometer bisections are made at II, VI, except as noted below.

1, 37, 38, 42.	Bisections at III, IV, V.
4, 8, 10, 13, 15, 18, 32, 34.	Bisections at I, II, VI, VII.
7.	Bisections at II, III, IV, V, VI.
11, 19, 25.	Bisections at b_4, b_5, b_6.
14, 20.	Bisections at II, VI, VII.
16, 35.	Bisections at I, II, III.
17,36.	Bisections at V, VI, VII.
33.	Bisections at VI, VII.

Notes.

13, 14. Faint.

21. Two microscopes used.

24. Circle reading decrease 1 4′.

32. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+48 11.6	+14 48.3	...	+62 59.9
15	+ 5.9	.. ....	− 0.1	+ 5.8
16	+ 6.8	+16 12.1	...	+16 18.9
17	+ 6.7	−16 12.1	...	−16 5.4
34	+ 5.8	.. ....	− 0.1	+ 5.7
35	+ 6.6	−16 9.5	...	−16 2.9
36	+ 6.7	+16 9.5	...	+16 16.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Draconis s. p.	9	8 58.44	+ 1.35	−28.52	284 43 52.88	46.015	− 2.04	−3 41.6	17 8 31.27	.....	+65 49 0.0	....
2	τ Orionis	9	13 45.31	+ 0.50	**−28.52**	45 45 53.42	47.955	− 2.04	+1 1.2	5 13 17.28	.....	− 6 56 28.1	....
3	γ Orionis	9	20 49.72	+ 0.44	**−28.54**	32 33 53.30	47.200	− 2.04	+ 38.1	5 20 21.63	.....	+ 6 16 12.3	....
4	δ Orionis	9	27 55.84	+ 0.47	**−28.50**	39 11 53.80	46.992	− 2.04	+ 48.6	5 27 27.78	.....	− 0 21 53.9	....
5	ζ Orionis	9	36 44.44	+ 0.48	**−28.55**	40 49 52.50	45.542	− 2.04	+ 51.5	5 36 16.38	.....	− 1 59 22.4	....
6	κ Orionis	9	44 0.53	+ 0.52	**−28.56**	48 31 52.80	46.785	− 2.04	+1 7.4	5 43 32.51	.....	− 9 42 7.0	....
7	α Orionis	9	50 49.66	+ 0.44	**−28.52**	31 27 52.68	43.928	− 2.04	+ 36.5	5 50 21.56	.....	+ 7 23 29.3	....
8	8 Monocerotis	9	19 31.69	+ 0.45	**−28.49**	34 11 52.92	46.812	− 2.04	+ 40.4	6 19 3.58	.....	+ 4 38 19.2	....
	February 23, P.												
9	ι Libræ	9	7 37.07	+ 0.58	**−28.87**	58 15 50.05	49.075	− 1.75	+1 36.8	15 7 8.79	.....	−19 27 26.2	....
10	32 Libræ	9	23 42.37	+ 0.57	**−28.86**	55 13 51.40	47.100	− 1.75	+1 26.2	15 23 14.08	.....	−16 24 31.9	....
11	γ Libræ	9	31 1.01	+ 0.56	**−28.86**	53 19 49.50	45.332	− 1.75	+1 20.4	15 30 32.70	.....	−14 29 43.7	....
12	ζ Ursæ Minoris	9	47 44.88	− 1.22	−28.88	320 47 51.32	47.108	− 1.75	− 48.7	15 47 14.78	.....	+78 3 41.8	....
13	β¹ Scorpii	9	0 43.62	+ 0.58	**−28.87**	58 23 50.48	44.920	− 1.75	+1 37.2	16 0 15.32	.....	−19 33 52.1	....
14	ν Scorpii (*mean*)	9	7 17.24	+ 0.58	**−28.89**	58 3 49.75	45.152	− 1.75	+1 35.9	16 6 48.94	.....	−19 13 55.5	....
15	151 H¹. Cephei s. p.	6	8 37.30	+ 5.20	−28.89	304 11 47.38	47.225	− 1.75	−1 27.6	4 8 13.61	.....	+85 19 36.9	....
	February 24, P.												
16	Sun I, N	9	26 42.67	+ 0.50	−29.07	48 15 51.98	44.122	− 0.45	+1 5.4	22 26 14.10	+65.92	− 9 25 4.8	....
17	Sun II, S	9	28 54.51	+ 0.50	−29.07	48 47 53.55	44.910	− 0.45	+1 6.7	22 28 25.94	−65.92	− 9 57 25.9	....
18	ζ Ursæ Minoris s. p.	9	47 42.10	+ 2.00	−29.22	296 57 51.72	43.150	− 1.35	−1 54.1	15 47 14.88	.....	+78 3 40.9	....
19	151 H¹. Cephei	9	8 45.89	− 3.35	−29.23	313 31 53.28	47.820	− 1.35	−1 1.3	4 8 13.31	.....	+85 19 36.8	....
20	ε Ursæ Minoris s. p.	9	55 29.08	+ 2.79	−29.26	301 3 51.80	44.925	− 1.35	−1 36.8	16 55 2.61	.....	+82 10 40.9	....
21	γ Orionis	9	20 50.45	+ 0.38	**−29.23**	32 33 53.90	47.125	− 1.35	+ 37.5	5 20 21.56	.....	+ 6 16 13.3	....
22	δ Orionis	9	27 56.56	+ 0.41	**−29.17**	39 11 55.22	46.905	− 1.35	+ 47.9	5 27 27.70	.....	− 0 21 53.4	....
23	ζ Orionis	9	36 45.13	+ 0.41	**−29.18**	40 49 52.95	45.502	− 1.35	+ 50.8	5 36 16.26	.....	− 1 59 21.9	....
24	κ Orionis	9	44 1.27	+ 0.44	**−29.24**	48 31 53.08	46.775	− 1.35	+1 6.5	5 43 32.43	.....	− 9 42 6.8	....
25	α Orionis	9	50 50.44	+ 0.38	**−29.25**	31 27 52.32	43.938	− 1.35	+ 36.0	5 50 21.54	.....	+ 7 23 29.3	....
26	8 Monocerotis	9	19 32.42	+ 0.39	**−29.17**	34 11 52.20	46.788	− 1.35	+ 40.0	6 19 3.51	.....	+ 4 38 20.2	....
	February 24, L.												
27	α Draconis	9	2 30.92	− 0.13	−29.58	334 3 54.32	46.066	− 0.90	− 28.8	14 2 1.21	.....	+64 47 42.8	....
28	α Libræ	9	46 26.57	+ 0.51	**−29.73**	54 29 54.80	46.865	− 0.90	+1 23.6	14 45 57.48	.....	−15 40 28.1	....
29	57 B. Ursæ Minoris	9	6 31.67	− 6.63	−29.61	311 17 53.02	46.597	− 0.90	−1 7.5	15 5 55.43	.....	+87 34 10.8	....
30	γ² Ursæ Minoris	9	21 23.59	− 0.42	−29.61	326 43 55.15	44.092	− 0.90	− 39.0	15 20 53.56	.....	+72 8 36.7	....
31	32 Libræ	9	23 43.22	+ 0.51	**−29.62**	55 13 55.70	46.872	− 0.90	+1 25.9	15 23 14.12	.....	−16 24 31.5	....
32	γ Libræ	9	31 1.93	+ 0.51	**−29.70**	53 19 55.32	45.040	− 0.90	+1 20.2	15 30 32.82	.....	−14 29 43.5	....
33	μ Serpentis	9	45 27.63	+ 0.46	**−29.66**	41 59 55.60	46.070	− 0.90	+ 53.7	15 44 58.47	.....	− 3 9 41.0	....
34	ζ Ursæ Minoris	9	47 45.20	− 0.91	−29.63	320 47 54.75	46.990	− 0.90	− 48.4	15 47 14.66	.....	+78 3 41.0	....
35	β¹ Scorpii	9	0 44.64	+ 0.53	**−29.80**	58 23 55.72	44.678	− 0.90	+1 36.6	16 0 15.54	.....	−19 33 52.0	....
36	151 H¹. Cephei s. p.	9	8 38.11	+ 4.26	−29.64	304 11 53.30	46.998	− 0.90	−1 27.2	4 8 12.73	.....	+85 19 38.9	....
37	ε Ophiuchi	9	14 5.66	+ 0.47	**−29.65**	43 17 56.68	48.798	− 0.90	+ 56.2	16 13 36.49	.....	− 4 28 46.8	....
38	ε Ursæ Minoris	9	55 33.95	− 1.68	−29.66	316 41 53.55	44.793	− 0.90	− 55.9	16 55 2.61	.....	+82 10 39.7	....
39	ζ Draconis	9	9 0.91	− 0.16	−29.66	333 1 55.10	48.014	− 0.90	− 30.1	17 8 31.09	.....	+65 48 58.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 5 21	29.798	36.2	35.6
5 51	29.790	35.3	35.5
6 20	29.780	34.7	36.3
15 5	29.608	29.0	30.2
15 27	......	....	30.0
15 52	......	....	29.7
16 12	29.594	29.2	30.1
24 22 29	29.604	41.6	42.0
3 44	29.616	42.0	41.5
4 13	......	....	40.9
4 53	29.624	40.0	40.0
5 18	29.632	39.8	40.0
5 40	......	....	39.8
5 53	......	....	39.4
6 21	29.650	39.1	39.5
13 59	29.682	34.9	34.0
14 47	......	....	33.4
15 5	29.704	33.2	33.8
15 32	......	....	33.2
15 49	......	....	33.9
15 59	......	....	34.6
16 15	......	....	33.9
16 33	29.720	33.0	....
16 57	......	....	34.0
17 10	......	....	34.7
17 55	29.724	36.7	....

Micrometer bisections are made at II, VI, except as noted below.

1, 12, 18, 28, 35.	Bisections at I, II, VI, VII.
2, 25, 32.	Bisections at II, VI, VII.
14, 33.	Bisections at I, II.
15, 19, 20, 29, 34, 36.	Bisections at b_4, b_5, b_6.
16, 30.	Bisections at I, II, III.
17.	Bisections at V, VI, VII.
27, 39.	Bisections at II, III, V, VI.
38.	Bisections at III, IV, V.

Notes.

1. Very poor seeing.
2. Faint.
32. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
16	+ 6.6	−16 10.5	...	−16 3.9
17	+ 6.7	+16 10.5	...	+16 17.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	February 25, L.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	30 31.13	+ 0.44	−29.81	48 25 56.55	44.487	− 0.58	+1 4.6	22 30 1.76	+65.86	− 9 35 16.8	....
2	Sun II, N.	9	32 42.84	+ 0.44	−29.81	47 53 55.58	43.517	− 0.58	+1 3.4	22 32 13.47	−65.85	− 9 2 52.6	....
3	151 H^1. Cephei.	9	8 46.22	− 2.79	−29.96	313 31 52.25	47.813	− 2.05	− 59.7	4 8 13.47	.....	+85 19 37.1	....
4	ε Ursæ Minoris s. p.	9	55 30.19	+ 2.33	−29.99	301 3 50.92	44.887	− 1.76	−1 34.5	16 55 2.53	.....	+82 10 39.9	....
5	ζ Draconis s. p.	9	9 0.02	+ 1.04	−29.99	284 43 50.12	45.749	− 1.68	−3 33.6	17 8 31.07	.....	+65 48 59.8	....
6	γ Orionis.	9	20 51.32	+ 0.28	**−30.02**	32 33 54.12	47.165	− 1.61	+ 36.7	5 20 21.60	.....	+ 6 16 13.3	....
7	δ Orionis.	9	27 57.48	+ 0.29	**−29.99**	39 11 56.05	46.900	− 1.57	+ 46.9	5 27 27.77	.....	− 0 21 52.8	....
8	ζ Orionis.	9	36 46.03	+ 0.30	**−29.99**	40 49 53.00	45.508	− 1.51	+ 49.7	5 36 16.32	.....	− 1 59 20.8	....
9	κ Orionis.	9	44 2.17	+ 0.32	**−30.03**	48 31 54.92	46.745	− 1.46	+1 5.0	5 43 32.48	.....	− 9 42 6.3	....
10	α Orionis.	9	50 51.26	+ 0.28	**−29.99**	31 27 54.65	43.848	− 1.42	+ 35.1	5 50 21.53	.....	+ 7 23 29.9	....
11	8 Monocerotis.	9	19 33.37	+ 0.29	**−30.03**	34 11 54.18	46.748	− 1.29	+ 39.1	6 19 3.63	.....	+ 4 38 20.0	....
	February 26, M.												
12	Mercury C, C.	9	38 26.67	+ 0.24	−31.05	55 5 55.20	46.782	− 0.67	+1 22.6	21 37 55.86	− 0.02	−16 16 25.8	....
	February 27, M.												
13	Sun I, N.	9	38 6.46	+ 0.23	−31.08	47 7 54.05	47.212	− 0.67	+1 2.2	22 37 35.61	+65.59	− 8 18 14.0	....
14	Sun II, S.	9	40 17.63	+ 0.23	−31.08	47 39 57.12	47.810	− 0.67	+1 3.4	22 39 46.78	−65.58	− 8 50 32.2	....
15	151 H^1. Cephei.	9	8 46.83	− 2.56	−31.23	313 31 55.72	47.633	− 1.37	−1 0.9	4 8 13.04	.....	+85 19 38.3	....
16	ε Ursæ Minoris s. p.	9	55 32.23	+ 2.10	−31.26	301 3 55.22	44.730	− 1.37	−1 36.3	16 55 3.07	.....	+82 10 39.4	....
17	β Eridani.	9	3 59.53	+ 0.22	**−31.22**	44 1 56.32	47.078	− 1.37	+ 56.5	5 3 28.49	.....	− 5 12 7.0	....
18	ζ Draconis s. p.	9	9 1.56	+ 0.92	−31.26	284 43 55.92	45.630	− 1.37	−3 37.5	17 8 31.22	.....	+65 48 59.4	....
19	τ Orionis.	9	13 48.30	+ 0.22	**−31.30**	45 45 56.18	47.830	− 1.37	+1 0.1	5 13 17.25	.....	− 6 56 27.6	....
20	γ Orionis.	9	20 52.64	+ 0.20	**−31.29**	32 33 54.70	47.128	− 1.37	+ 37.4	5 20 21.57	.....	+ 6 16 12.6	....
21	δ Orionis.	9	27 58.83	+ 0.21	**−31.29**	39 11 56.22	46.868	− 1.37	+ 47.8	5 27 27.77	.....	− 0 21 53.4	....
22	ζ Orionis.	9	36 47.38	+ 0.21	**−31.28**	40 49 54.02	45.435	− 1.37	+ 50.7	5 36 16.31	.....	− 1 59 21.3	....
23	κ Orionis.	9	44 3.48	+ 0.22	**−31.28**	48 31 55.80	46.652	− 1.37	+1 6.4	5 43 32.42	.....	− 9 42 6.6	....
24	α Orionis.	9	50 52.61	+ 0.20	**−31.29**	31 27 54.52	43.845	− 1.37	+ 36.0	5 50 21.53	.....	+ 7 23 29.2	....
25	8 Monocerotis.	9	19 34.65	+ 0.20	**−31.25**	34 11 55.62	46.678	− 1.37	+ 40.1	6 19 3.55	.....	+ 4 38 19.2	....
	February 27, P.												
26	151 H^1. Cephei s. p.	9	8 40.44	+ 3.99	−31.62	304 11 52.30	47.163	− 2.79	−1 28.7	4 8 12.81	.....	+85 19 38.2	....
27	ε Ursæ Minoris.	9	55 36.44	− 1.80	−31.65	316 41 49.12	45.128	− 2.79	− 57.1	16 55 2.99	.....	+82 10 39.8	....
28	σ Ophiuchi.	9	22 36.84	+ 0.22	**[−31.59]**	34 37 50.55	45.710	− 2.79	+ 42.1	17 22 5.40	.....	+ 4 12 45.8	....
29	η Serpentis.	9	17 12.87	+ 0.24	**[−31.60]**	41 45 49.90	46.076	− 2.79	+ 54.4	18 16 41.42	.....	− 2 55 34.1	....
	February 28, L.												
30	Mercury C, C.	9	51 17.86	+ 0.49	−32.53	54 5 53.72	47.441	− 1.18	+1 21.6	21 50 45.82	− 0.02	−15 16 37.9	....
	March 1, L.												
31	Sun I, N.	9	45 39.09	+ 0.46	−32.56	46 23 50.90	44.055	− 1.18	+1 1.7	22 45 6.99	+65.55	− 7 32 57.7	....
32	Sun II, S.	9	47 50.20	+ 0.46	−32.56	46 55 51.82	44.787	− 1.18	+1 2.9	22 47 18.10	−65.56	− 8 5 16.8	....
33	ε Ursæ Minoris s. p.	8	55 33.85	+ 2.24	−32.74	301 3 50.02	45.073	− 1.88	−1 36.7	16 55 3.35	.....	+82 10 41.1	....
34	β Eridani.	9	4 0.84	+ 0.41	**−32.75**	44 1 54.35	47.140	− 1.88	+ 56.7	5 3 28.51	.....	− 5 12 6.1	....
35	ζ Draconis s. p.	9	9 3.15	+ 1.03	−32.74	284 43 49.50	45.972	− 1.88	−3 38.3	17 8 31.44	.....	+65 48 59.4	....
36	γ Orionis.	9	20 53.87	+ 0.38	**−32.73**	32 33 52.22	47.202	− 1.88	+ 37.5	5 20 21.50	.....	+ 6 16 13.8	....
37	δ Orionis.	9	28 0.08	+ 0.40	**−32.76**	39 11 53.78	46.960	− 1.88	+ 48.0	5 27 27.73	.....	− 0 21 52.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 2 33	29.760	51.0	53.7
4 6	29.800	55.1	57.0
4 57	......	....	54.7
5 10	29.818	52.9	53.8
5 31	......	....	53.1
5 52	......	....	53.9
6 20	29.824	52.0	53.1
26 21 38	30.040	54.8	54.8
27 22 40	30.050	56.0	54.8
4 9	30.040	52.3	51.1
4 56	......	....	49.4
5 21	30.064	49.8	48.3
5 37	......	....	47.3
5 51	......	....	46.6
6 20	30.074	47.2	45.3
16 5	30.094	34.5	32.0
16 59	......	....	30.4
17 20	30.097	32.8	30.0
18 19	......	....	30.1
18 52	30.112	32.2	....
28 21 51	29.716	38.0	38.0
1 22 48	29.658	39.8	39.3
4 57	29.472	38.9	38.2
5 10	......	....	37.9
5 24	......	....	37.2

Micrometer bisections are made at II, VI, except as noted below.

1, 13, 31.	Bisections at I, II, III.
2, 14, 32.	Bisections at V, VI, VII.
3, 15, 16, 26, 27, 33.	Bisections at b_4, b_5, b_6.
4, 18.	Bisections at III, IV, V.
5, 35.	Bisections at II, III, V, VI.
12, 28, 29, 30.	Bisections at I, II, VI, VII.

Notes.

9. Micrometer reading decreased 2 rev.
15. Faint.
27. One microscope reading increased 10″.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.6	+16 12.1	...	+16 18.7
2	+ 6.6	−16 12.1	...	−16 5.5
12	+ 5.6	.. ....	− 0.1	+ 5.5
13	+ 6.5	−16 9.1	...	−16 2.6
14	+ 6.5	+16 9.1	...	+16 15.6
30	+ 5.4	.. ....	− 0.1	+ 5.3
31	+ 6.4	−16 9.5	...	−16 3.1
32	+ 6.5	+16 9.5	...	+16 16.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	158 H¹. Cephei	7	33 57.80	− 2.36	−32.75	313 42	......	....	.....	5 33 22.69	.....	+85 9	....
2	κ Orionis	9	44 4.77	+ 0.43	**−32.81**	48 31 54.08	46.692	− 1.88	+1 6.5	5 43 32.44	.....	− 9 42 5.3	....
3	α Orionis	9	50 53.88	+ 0.38	**−32.77**	31 27 53.20	43.865	− 1.88	+ 36.0	5 50 21.50	.....	+ 7 23 30.5	....
4	8 Monocerotis	9	19 35.91	+ 0.39	**−32.73**	34 11 53.68	46.740	− 1.88	+ 40.0	6 19 3.52	.....	+ 4 38 20.4	....
	March 2, P.												
5	σ Ophiuchi	9	22 38.88	+ 0.35	[**−33.67**]	34 37 51.50	45.710	− 1.67	+ 41.2	17 22 5.61	.....	+ 4 12 44.7	....
6	β Ophiuchi	9	39 37.49	+ 0.35	[**−33.72**]	34 13 51.08	47.855	− 1.67	+ 40.6	17 39 4.21	.....	+ 4 35 56.7	....
7	ν Ophiuchi	9	54 40.39	+ 0.39	[**−33.72**]	48 35 52.82	46.505	− 1.67	+1 7.6	17 54 7.14	.....	− 9 46 1.1	....
8	η Serpentis	9	17 14.99	+ 0.37	[**−33.76**]	41 45 49.72	46.199	− 1.67	+ 53.2	18 16 41.71	.....	− 2 55 36.7	....
9	3 H. Scuti	9	30 54.49	+ 0.39	[**−33.75**]	47 7 52.18	48.362	− 1.67	+1 4.1	18 30 21.23	.....	− 8 18 39.5	....
10	Mercury C	.	.. ..	....	.....	53 1 49.70	45.191	− 1.64	+1 16.5	22 3	.....	−14 11 36.9	....
	March 3, P.												
11	Sun S	.	.. ..	....	.....	46 9 55.22	45.640	− 1.46	+ 59.8	22 53	.....	− 7 19 36.1	....
12	Sun N	.	.. ..	....	.....	45 37 54.48	44.935	− 1.46	+ 58.7	.. ..	.....	− 6 47 18.4	....
13	γ² Ursæ Minoris s. p.	9	21 26.93	+ 1.13	−33.91	291 1 44.32	47.149	− 2.50	−2 26.6	15 20 54.15	.....	+72 8 38.5	....
14	ε Ursæ Minoris s. p.	8	55 35.93	+ 2.14	−33.95	301 3 47.35	45.038	− 2.50	−1 34.6	16 55 4.12	.....	+82 10 39.1	....
15	ζ Draconis s. p.	9	9 4.61	+ 0.92	−33.96	284 43 45.30	46.008	− 2.50	−3 33.8	17 8 31.57	.....	+65 48 59.5	....
16	γ Orionis	9	20 55.22	+ 0.19	**−33.92**	32 33 46.52	47.550	− 2.50	+ 36.8	5 20 21.45	.....	+ 6 16 12.9	....
17	δ Orionis	9	28 1.40	+ 0.20	**−33.91**	39 11 45.35	47.413	− 2.50	+ 47.0	5 27 27.63	.....	− 0 21 53.0	....
18	158 H¹. Cephei	9	33 58.44	− 2.55	−33.97	313 41 47.65	47.847	− 2.50	− 59.9	5 33 21.92	.....	+85 9 41.6	....
19	ζ Orionis	9	36 50.01	+ 0.20	**−33.96**	40 49 48.80	45.750	− 2.50	+ 49.8	5 36 16.24	.....	− 1 59 21.3	....
20	κ Orionis	9	44 6.11	+ 0.22	**−33.97**	48 31 49.30	47.047	− 2.50	+1 5.2	5 43 32.36	.....	− 9 42 6.7	....
21	α Orionis	9	50 55.30	+ 0.19	**−34.03**	31 27 48.30	44.173	− 2.50	+ 35.3	5 50 21.51	.....	+ 7 23 29.8	....
22	8 Monocerotis	9	19 37.38	+ 0.19	**−34.03**	34 11 46.10	47.152	− 2.50	+ 39.2	6 19 3.58	.....	+ 4 38 20.0	....
	March 6, M.												
23	Moon I, S	9	55 59.83	+ 0.28	−35.99	17 11 50.02	43.586	− 1.72	+ 18.3	3 55 24.12	+72.86	+21 39 57.7	....
24	β Tauri	9	21 15.64	+ 0.24	**−36.00**	10 19 48.98	43.510	− 1.72	+ 10.9	5 20 39.85	.....	+28 32 7.8	....
25	δ Orionis	9	28 3.41	+ 0.33	**−36.10**	39 11 51.80	47.078	− 1.72	+ 48.6	5 27 27.71	.....	− 0 21 54.2	....
26	ζ Tauri	9	32 55.33	+ 0.27	**−36.00**	17 45 50.32	44.915	− 1.72	+ 19.1	5 32 19.56	.....	+21 5 26.1	....
27	ζ Orionis	9	36 51.92	+ 0.33	**−36.05**	40 49 51.62	45.540	− 1.72	+ 51.6	5 36 16.21	.....	− 1 59 21.9	....
28	κ Orionis	9	44 7.99	+ 0.35	**−36.03**	48 31 51.45	46.842	− 1.72	+1 7.6	5 43 32.30	.....	− 9 42 7.5	....
29	α Orionis	9	50 57.19	+ 0.31	**−36.09**	31 27 51.18	43.988	− 1.72	+ 36.6	5 50 21.45	.....	+ 7 23 29.0	....
30	1 Geminorum	9	59 18.66	+ 0.26	**−36.05**	15 33 50.25	48.158	− 1.72	+ 16.8	5 58 42.87	.....	+23 16 14.4	....
31	ν Orionis	9	3 5.46	+ 0.29	**−36.04**	24 3 48.95	46.185	− 1.72	+ 26.8	6 2 29.70	.....	+14 46 50.8	....
32	η Geminorum	9	10 6.46	+ 0.27	**−36.04**	16 17 49.30	48.530	− 1.72	+ 17.6	6 9 30.68	.....	+22 32 6.0	....
33	8 Monocerotis	9	19 39.21	+ 0.32	**−36.04**	34 11 50.95	46.860	− 1.72	+ 40.9	6 19 3.47	.....	+ 4 38 19.3	....
	March 6, P.												
34	ε Ursæ Minoris	9	55 42.41	− 1.66	−36.41	316 41 47.95	45.223	− 2.25	− 58.2	16 55 4.34	.....	+82 10 39.3	....
35	ζ Draconis	9	9 8.28	− 0.20	−36.41	333 1 49.08	48.402	− 2.25	− 31.4	17 8 31.67	.....	+65 48 58.3	....
36	σ Ophiuchi	9	22 41.70	+ 0.36	[**−36.38**]	34 37 48.95	45.795	− 2.25	+ 42.9	17 22 5.64	.....	+ 4 12 44.2	....
37	158 H¹. Cephei s. p.	8	33 54.18	+ 3.93	−36.43	304 1 47.32	47.645	− 2.25	−1 31.3	5 33 21.68	.....	+85 9 42.2	....
38	β Ophiuchi	9	39 40.26	+ 0.36	[**−36.38**]	34 13 49.12	47.908	− 2.25	+ 42.3	17 39 4.19	.....	+ 4 35 56.3	....
39	ν Ophiuchi	9	54 43.21	+ 0.41	[**−36.44**]	48 35 48.92	46.582	− 2.25	+1 10.4	17 54 7.19	.....	− 9 46 1.2	....
40	δ Ursæ Minoris	9	1 33.56	− 4.46	−36.44	312 15 46.08	46.337	− 2.25	−1 7.9	18 0 52.66	.....	+86 36 25.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 5 42	......	....	36.9
5 51	......	....	36.6
6 20	29.476	36.0	36.7
2 17 20	29.690	35.0	34.0
17 42	......	....	33.1
18 14	29.702	35.0	34.0
18 33	......	....	35.0
18 53	29.718	37.5	....
22 4	29.725	49.0	50.6
3 22 55	29.712	51.3	52.2
3 24	29.668	53.8	54.0
4 53	......	....	51.0
5 12	29.686	50.5	51.0
5 40	......	....	50.0
5 53	29.700	49.1	50.0
6 21	29.705	49.0	49.5
6 3 56	30.010	44.8	43.7
5 21	30.052	41.2	39.9
5 44	......	....	38.8
5 59	......	....	37.8
6 20	30.100	37.8	36.4
16 52	30.278	25.1	24.3
17 12	......	....	24.0
17 42	......	....	23.9
18 6	30.280	25.1	24.2

Micrometer bisections are made at II, VI, except as noted below.

6–10, 13, 15, 22, 35.	Bisections at I, II, VI, VII.
11.	Bisections at I, II, III.
12.	Bisections at V, VI, VII.
14, 18, 34, 37, 40.	Bisections at b_4, b_5, b_6.
17, 20.	Bisections at II, VI, VII.
21.	Bisections at I, VI, VII.
23.	Bisections at II, III, IV, V, VI.

Note.

21. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 5.3	.. ....	− 0.1	+ 5.2
11	+ 6.4	+16 8.8	...	+16 15.2
12	+ 6.3	−16 8.8	...	−16 2.5
23	+17 22.2	+16 10.6	...	+33 32.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Serpentis	9	17 17.79	+ 0.39	[**−36.47**]	41 45 48.55	46.155	− 2.25	+ 55.4	18 16 41.73	.....	− 2 55 36.1	....
2	3 H. Scuti	9	30 57.20	+ 0.40	[**−36.36**]	47 7 48.72	48.380	− 2.25	+1 6.8	18 30 21.15	.....	− 8 18 38.5	....
	March 8, L.												
3	γ Orionis	9	20 58.48	+ 0.42	**−37.49**	32 33 51.30	47.200	− 1.40	+ 38.6	5 20 21.46	.....	+ 6 16 13.2	....
4	δ Orionis	9	28 4.63	+ 0.44	**−37.47**	39 11 52.82	46.955	− 1.40	+ 49.3	5 27 27.62	.....	− 0 21 53.4	....
5	ζ Tauri	9	32 56.64	+ 0.36	**−37.44**	17 45 50.58	44.840	− 1.40	+ 19.4	5 32 19.55	.....	+21 5 27.0	....
6	ζ Orionis	9	36 53.21	+ 0.45	**−37.49**	40 49 51.12	45.488	− 1.40	+ 52.3	5 36 16.21	.....	− 1 59 21.2	....
7	κ Orionis	9	44 9.26	+ 0.47	**−37.46**	48 31 52.22	46.700	− 1.40	+1 8.4	5 43 32.28	.....	− 9 42 6.1	....
8	α Orionis	9	50 58.43	+ 0.42	**−37.47**	31 27 51.82	43.885	− 1.40	+ 37.0	5 50 21.39	.....	+ 7 23 30.0	....
9	1 Geminorum	9	59 19.90	+ 0.36	**−37.43**	15 33 50.60	48.072	− 1.40	+ 16.9	5 58 42.80	.....	+23 16 15.6	....
10	Moon I, N	9	4 3.96	+ 0.35	−37.46	11 25 50.12	46.584	− 1.40	+ 12.3	6 3 26.85	+75.92	+27 24 54.7	....
11	η Geminorum	9	10 7.69	+ 0.36	**−37.40**	16 17 51.55	48.385	− 1.40	+ 17.8	6 9 30.58	.....	+22 32 6.6	....
12	8 Monocerotis	9	19 40.47	+ 0.43	**−37.44**	34 11 51.75	46.780	− 1.40	+ 41.2	6 19 3.43	.....	+ 4 38 19.7	....
13	ν Geminorum	9	24 18.19	+ 0.37	**−37.47**	18 33 50.92	47.942	− 1.40	+ 20.4	6 23 41.09	.....	+20 16 14.7	....
	March 8, M.												
14	ζ Ursæ Minoris	9	47 54.64	− 0.70	−37.63	320 47 46.05	47.425	− 1.63	− 50.0	15 47 16.31	.....	+78 3 42.0	....
15	151 H¹. Cephei s. p.	9	8 44.00	+ 3.75	−37.64	304 11 50.55	47.185	− 1.63	−1 30.1	4 8 10.11	.....	+85 19 36.8	....
16	ε Ursæ Minoris	9	55 43.64	− 1.44	−37.66	316 41 50.62	45.017	− 1.43	− 57.8	16 55 4.54	.....	+82 10 40.1	....
17	ζ Draconis	9	9 9.58	− 0.08	−37.67	333 1 51.88	48.215	− 1.33	− 31.2	17 8 31.83	.....	+65 48 59.1	....
18	σ Ophiuchi	9	22 43.02	+ 0.46	[**−37.74**]	34 37 49.88	45.780	− 1.25	+ 42.6	17 22 5.80	.....	+ 4 12 42.9	....
19	β Ophiuchi	9	39 41.53	+ 0.46	[**−37.69**]	34 13 50.80	47.830	− 1.13	+ 42.0	17 39 4.31	.....	+ 4 35 55.6	....
20	ν Ophiuchi	9	54 44.52	+ 0.51	[**−37.79**]	48 35 50.30	46.510	− 1.04	+1 9.9	17 54 7.34	.....	− 9 46 1.7	....
21	η Serpentis	9	17 19.02	+ 0.49	[**−37.74**]	41 45 49.15	46.140	− 0.88	+ 55.0	18 16 41.81	.....	− 2 55 37.4	....
22	3 H. Scuti	9	30 58.61	+ 0.52	[**−37.83**]	47 7 50.60	48.284	− 0.80	+1 6.2	18 30 21.42	.....	− 8 18 39.1	....
23	θ Serpentis	9	52 24.35	+ 0.47	[**−37.78**]	34 45 50.00	45.214	− 0.72	+ 42.6	18 51 47.10	.....	+ 4 4 55.1	....
24	Mercury C, C	9	43 53.35	+ 0.50	−37.85	49 15 51.45	44.328	− 1.61	+1 8.8	22 43 16.00	− 0.01	−10 25 11.3	....
	March 9, M.												
25	Sun I, S	9	15 30.42	+ 0.48	−37.87	43 49 51.25	47.943	− 1.30	+ 56.8	23 14 53.03	+64.99	− 5 0 21.9	....
26	Sun II, N	9	17 40.41	+ 0.48	−37.87	43 17 52.05	47.353	− 1.30	+ 55.8	23 17 3.02	−65.00	− 4 28 8.5	....
27	ε Ursæ Minoris s. p.	9	55 40.77	+ 2.12	−38.05	301 3 49.20	45.047	− 2.76	−1 37.0	16 55 4.84	.....	+82 10 38.5	....
28	ζ Draconis s. p.	9	9 8.87	+ 1.00	−38.05	284 43 51.05	45.925	− 2.76	−3 39.1	17 8 31.82	.....	+65 48 58.0	....
29	γ Orionis	9	20 59.05	+ 0.39	[**−38.05**]	32 33 49.60	47.428	− 2.76	+ 37.6	5 20 21.38	.....	+ 6 16 12.0	....
30	δ Orionis	9	28 5.25	+ 0.40	**−38.07**	39 11 52.42	47.128	− 2.76	+ 48.1	5 27 27.59	.....	− 0 21 54.4	....
31	158 H¹. Cephei	9	34 1.06	− 2.15	−38.07	313 41 51.42	47.733	− 2.76	−1 1.4	5 33 20.84	.....	+85 9 42.2	....
32	ζ Orionis	9	36 53.77	+ 0.41	**−38.03**	40 49 49.68	45.718	− 2.76	+ 51.0	5 36 16.11	.....	− 1 59 22.4	....
33	κ Orionis	9	44 9.92	+ 0.42	**−38.09**	48 31 51.65	46.925	− 2.76	+1 6.8	5 43 32.27	.....	− 9 42 7.7	....
34	α Orionis	9	50 59.08	+ 0.38	**−38.10**	31 27 51.32	44.062	− 2.76	+ 36.1	5 50 21.39	.....	+ 7 23 28.7	....
35	1 Geminorum	9	59 20.54	+ 0.34	**−38.07**	15 33 49.85	48.212	− 2.76	+ 16.5	5 58 42.80	.....	+23 16 14.9	....
36	η Geminorum	9	10 8.34	+ 0.34	**−38.05**	16 17 51.38	48.515	− 2.76	+ 17.3	6 9 30.60	.....	+22 32 5.6	....
37	μ Geminorum	9	18 12.68	+ 0.34	**−38.09**	16 17 51.50	44.272	− 2.76	+ 17.3	6 17 34.93	.....	+22 33 42.3	....
38	8 Monocerotis	9	19 41.09	+ 0.39	**−38.04**	34 11 51.35	46.935	− 2.76	+ 40.2	6 19 3.39	.....	+ 4 38 18.9	....
39	ν Geminorum	9	24 18.86	+ 0.34	**−38.13**	18 33 50.52	48.060	− 2.76	+ 19.9	6 23 41.11	.....	+20 16 14.3	....
40	ε Geminorum	9	39 5.70	+ 0.33	**−38.13**	13 37 50.32	45.500	− 2.76	+ 14.4	6 38 27.93	.....	+25 13 18.5	....
41	Moon I, N	9	9 56.95	+ 0.33	−38.11	11 41 48.50	43.501	− 2.76	+ 12.3	7 9 19.17	+75.44	+27 10 8.1	....
	March 9, P.												
42	σ Ophiuchi	9	22 43.84	+ 0.35	[**−38.42**]	34 37 48.58	45.936	− 2.21	+ 40.1	17 22 5.74	.....	+ 4 12 44.1	....
43	β Ophiuchi	9	39 42.46	+ 0.35	[**−38.48**]	34 13 48.75	48.052	− 2.21	+ 39.6	17 39 4.35	.....	+ 4 35 56.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 18 33	30.282	26.0	25.0
8 5 22	30.040	33.8	32.7
5 35	......	....	32.3
5 48	......	....	32.3
6 2	......	....	32.1
6 25	30.036	32.9	32.0
15 48	30.000	26.0	23.2
16 9	......	....	23.3
16 56	30.000	24.8	23.3
17 40	......	....	23.0
18 17	30.000	25.4	23.5
18 52	30.000	26.8	25.6
22 44	30.000	41.8	40.7
9 23 18	29.983	42.0	41.7
4 56	29.794	42.8	41.7
5 21	29.784	42.5	40.7
5 44	......	....	39.8
5 59	29.770	40.8	39.3
6 39	......	....	38.5
7 10	29.740	39.3	38.2
17 21	29.362	41.0	41.0

Micrometer bisections are made at II, VI, except as noted below.

10, 41.	Bisections at II, III, IV, V, VI.
14, 17.	Bisections at III, IV, V.
15, 16, 27, 31.	Bisections at b_4, b_5, b_6.
22–24, 42.	Bisections at I, II, VI, VII.
25,	Bisections at I, II, III.
26.	Bisections at V, VI, VII.
28.	Bisections at I, II, IV, VI, VII.
37.	Bisections at I, II.
43.	Bisections at II, VI, VII.

Notes.

22. Very unsteady.
23. Faint; unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+11 34.4	−16 7.3	...	− 4 32.9
24	+ 4.9	.. ....	− 0.1	+ 4.8
25	+ 6.1	+16 6.6	...	+16 12.7
26	+ 6.0	−16 6.7	...	−16 0.7
41	+11 46.7	−16 3.7	...	− 4 17.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Serpentis	9	17 19.92	+ 0.37	[**−38.49**]	41 45 48.45	46.312	− 2.21	+ 51.8	18 16 41.82	.....	− 2 55 36.1	....
2	Mercury C, C	9	50 36.38	+ 0.33	−38.58	48 33 49.22	43.981	− 2.30	+1 4.4	22 49 58.13	− 0.01	− 9 42 56.0	....
	March 10, P.												
3	Sun I, N	9	19 12.63	+ 0.32	−38.60	42 55 51.18	43.745	− 2.72	+ 52.8	23 18 34.35	+64.91	− 4 4 40.5	....
4	Sun II, S	9	21 22.46	+ 0.32	−38.60	43 27 52.52	44.315	− 2.72	+ 53.8	23 20 44.18	−64.92	− 4 36 56.1	....
5	ε Ursæ Minoris s. P.	9	55 41.69	+ 2.10	−38.73	301 3 47.55	45.082	− 2.86	−1 34.3	16 55 5.06	.....	+82 10 40.1	....
6	ζ Draconis s. P.	9	9 9.72	+ 0.92	−38.74	284 43 46.45	45.918	− 2.84	−3 33.0	17 8 31.90	.....	+65 48 59.1	....
7	γ Orionis	9	20 59.93	+ 0.20	[**−38.75**]	32 33 49.80	47.405	− 2.82	+ 36.6	5 20 21.39	.....	+ 6 16 13.4	....
8	δ Orionis	9	28 6.12	+ 0.22	**−38.77**	39 11 51.30	47.178	− 2.80	+ 46.8	5 27 27.59	.....	− 0 21 53.1	....
9	158 H¹. Cephei	9	34 2.00	− 2.46	−38.75	313 41 49.58	47.747	− 2.79	− 59.8	5 33 20.79	.....	+85 9 42.1	....
10	ζ Orionis	9	36 54.64	+ 0.22	**−38.72**	40 49 48.08	45.832	− 2.78	+ 49.6	5 36 16.11	.....	− 1 59 21.9	....
11	κ Orionis	9	44 10.79	+ 0.23	**−38.78**	48 31 49.30	47.020	− 2.77	+1 5.0	5 43 32.27	.....	− 9 42 5.7	....
12	α Orionis	9	50 59.92	+ 0.20	**−38.77**	31 27 49.28	44.160	− 2.76	+ 35.2	5 50 21.36	.....	+ 7 23 29.4	....
13	δ Ursæ Minoris s. P.	9	1 28.83	+ 4.38	−38.76	305 29 48.00	43.757	− 2.72	−1 20.2	18 0 54.45	.....	+86 36 24.7	....
14	8 Monocerotis	9	19 42.00	+ 0.21	**−38.78**	34 11 50.85	46.975	− 2.70	+ 39.2	6 19 3.44	.....	+ 4 38 19.5	....
15	κ Geminorum	9	39 44.08	+ 0.16	**−38.79**	14 13 47.90	46.813	− 2.55	+ 14.8	7 39 5.43	.....	+24 36 50.2	....
16	φ Geminorum	9	48 42.69	+ 0.15	**−38.77**	11 49 47.25	49.340	− 2.53	+ 12.3	7 48 4.03	.....	+26 59 55.7	....
17	χ Geminorum	9	58 42.97	+ 0.14	**−38.84**	10 47 49.02	47.070	− 2.51	+ 11.2	7 58 4.29	.....	+28 2 46.9	....
18	Moon I, N	9	13 58.41	+ 0.16	−38.82	13 47 48.78	49.090	− 2.49	+ 14.4	8 13 19.75	+73.59	+25 1 57.7	....
19	η Cancri	9	28 13.55	+ 0.17	**−38.83**	18 5 48.80	46.945	− 2.45	+ 19.2	8 27 34.89	.....	+20 44 41.9	....
20	γ Cancri	9	38 48.06	+ 0.16	**−38.84**	17 3 48.60	45.142	− 2.43	+ 18.0	8 38 9.38	.....	+21 47 24.5	....
	March 10, L.												
21	151 H¹. Cephei s. P.	9	8 45.72	+ 2.97	−39.11	304 11 49.60	47.235	− 2.33	−1 27.9	4 8 9.58	.....	+85 19 38.5	....
22	ε Ursæ Minoris	9	55 45.56	− 1.19	−39.13	316 41 50.02	45.047	− 2.08	− 56.6	16 55 5.24	.....	+82 10 39.3	....
23	ζ Draconis	9	9 11.21	− 0.11	−39.13	333 1 51.12	48.293	− 1.93	− 30.5	17 8 31.97	.....	+65 48 58.0	....
24	σ Ophiuchi	9	22 44.70	+ 0.28	[**−39.18**]	34 37 50.28	45.735	− 1.80	+ 41.7	17 22 5.84	.....	+ 4 12 45.0	....
25	158 H¹. Cephei s. P.	9	33 56.06	+ 3.07	−39.15	304 1 48.12	47.532	− 1.69	−1 28.8	5 33 19.98	.....	+85 9 43.5	....
26	β Ophiuchi	9	39 43.28	+ 0.29	[**−39.21**]	34 13 49.50	47.890	− 1.63	+ 41.1	17 39 4.42	.....	+ 4 35 56.9	....
27	ν Ophiuchi	9	54 46.29	+ 0.32	[**−39.31**]	48 35 51.22	46.500	− 1.47	+1 8.4	17 54 7.45	.....	− 9 46 0.5	....
28	δ Ursæ Minoris	9	1 36.78	− 3.47	−39.16	312 15 46.90	46.218	− 1.40	−1 6.0	18 0 54.15	.....	+86 36 24.6	....
29	η Serpentis	9	17 20.82	+ 0.31	[**−39.30**]	41 45 48.60	46.168	− 1.23	+ 53.8	18 16 41.96	.....	− 2 55 35.8	....
30	3 H. Scuti	9	31 0.33	+ 0.32	[**−39.29**]	47 7 50.08	48.362	− 1.09	+1 4.8	18 30 21.48	.....	− 8 18 38.6	....
31	θ Serpentis	9	52 26.07	+ 0.30	[**−39.27**]	34 45 51.28	45.176	− 0.98	+ 41.6	18 51 47.19	.....	+ 4 4 55.5	....
32	Mercury C, C	8	57 21.41	+ 0.31	−39.32	47 49 52.82	45.075	− 1.09	+1 4.8	22 56 42.40	0.00	− 8 59 26.3	....
	March 11, L.												
33	Sun I, S	9	22 54.27	+ 0.30	−39.33	43 3 53.02	45.492	− 1.09	+ 56.0	23 22 15.24	+64.86	− 4 13 27.1	....
34	Sun II, N	9	25 4.00	+ 0.30	−39.33	42 31 52.00	44.812	− 1.09	+ 53.7	23 24 24.97	−64.87	− 3 41 8.5	....
35	ε Ursæ Minoris s. P.	9	55 42.66	+ 2.14	−39.51	301 3 46.80	45.173	− 1.78	−1 36.2	16 55 5.29	.....	+82 10 40.6	....
36	ζ Draconis s. P.	9	9 10.63	+ 0.91	−39.52	284 43 47.42	46.044	− 1.78	−3 37.3	17 8 32.02	.....	+65 49 0.0	....
37	γ Orionis	9	21 0.71	+ 0.20	[**−39.55**]	32 33 49.70	47.330	− 1.78	+ 37.4	5 20 21.38	.....	+ 6 16 13.4	....
38	δ Orionis	9	28 6.88	+ 0.21	**−39.54**	39 11 51.78	47.070	− 1.78	+ 47.7	5 27 27.56	.....	− 0 21 53.1	....
39	158 H¹. Cephei	9	34 2.00	− 2.57	−39.53	313 41 50.25	47.755	− 1.78	−1 0.9	5 33 19.90	.....	+85 9 41.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 17 42	......	....	41.1
18 20	......	....	41.9
18 32	29.432	41.5	....
22 51	29.560	53.0	53.8
10 23 21	29.570	54.6	54.8
4 53	29.700	54.0	54.0
5 13	......	....	53.0
5 32	......	....	52.0
5 53	29.724	52.0	51.5
6 21	29.744	51.0	50.1
7 35	29.788	48.0	47.1
7 52	......	....	46.0
8 16	29.816	46.0	45.2
8 40	29.823	45.0	44.6
16 11	29.910	35.3	33.1
16 59	......	....	31.7
17 21	......	....	31.9
17 40	......	....	31.9
17 55	29.950	34.0	31.9
18 18	......	....	32.9
18 32	......	....	33.9
18 53	29.980	37.0	35.7
22 57	30.000	47.0	45.9
11 23 25	30.000	48.0	47.0
4 57	29.954	49.0	48.0
5 10	......	....	47.7
5 30	......	....	46.8

Micrometer bisections are made at II, VI, except as noted below.

1, 2, 6, 30–32.	Bisections at I, II, VI, VII.
3, 33.	Bisections at I, II, III.
4, 34.	Bisections at V, VI, VII.
5, 21–23, 35.	Bisections at III, IV, V.
9, 13, 25, 28, 39.	Bisections at b_4, b_5, b_6.
14, 29.	Bisections at II, VI, VII.
15.	Bisections at I, II, VI.
18.	Bisections at II, III, IV, V, VI.
36.	Bisections at II, III, V, VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 4.9	.. ....	− 0.1	+ 4.8
3	+ 6.0	−16 7.7	...	−16 1.7
4	+ 6.1	+16 7.8	...	+16 13.9
18	+13 50.8	−15 58.9	...	− 2 8.1
32	+ 4.8	.. ....	− 0.1	+ 4.7
33	+ 6.0	+16 9.3	...	+16 15.3
34	+ 6.0	−16 9.3	...	−16 3.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Orionis	9	44 11.54	+ 0.23	**−39.55**	48 31 51.60	46.855	− 1.78	+1 6.3	5 43 32.23	.....	− 9 42 6.5	....
2	α Orionis	9	51 0.65	+ 0.19	**−39.51**	31 27 51.38	43.960	− 1.78	+ 35.9	5 50 21.30	.....	+ 7 23 30.2	....
3	δ Ursæ Minoris s. p.	9	1 29.28	+ 4.49	−39.54	305 29 48.02	43.823	− 1.78	−1 21.8	18 0 54.23	.....	+86 36 25.5	....
4	8 Monocerotis	9	19 42.73	+ 0.20	**−39.52**	34 11 51.58	46.830	− 1.78	+ 39.9	6 19 3.38	.....	+ 4 38 20.4	....
5	δ Cancri	9	40 18.26	+ 0.16	**−39.60**	20 21 51.20	46.018	− 1.78	+ 22.0	8 39 38.80	.....	+18 28 57.0	....
6	ι Cancri	9	41 59.57	+ 0.13	**−39.59**	9 45 50.38	45.830	− 1.78	+ 10.2	8 41 20.08	.....	+29 5 14.1	....
7	α Cancri	9	54 17.77	+ 0.18	**−39.62**	26 37 52.38	47.705	− 1.78	+ 29.7	8 53 38.32	.....	+12 12 9.8	....
8	κ Cancri	9	3 36.20	+ 0.18	**−39.61**	27 47 51.30	49.135	− 1.78	+ 31.3	9 2 56.75	.....	+11 1 36.6	....
9	Moon I, N	9	14 21.75	+ 0.16	−39.63	17 33 50.28	45.194	− 1.78	+ 18.8	9 13 42.28	+70.94	+21 17 20.2	....
10	μ Leonis	9	48 23.29	+ 0.14	**−39.76**	12 25 52.25	44.698	− 1.78	+ 13.1	9 47 43.78	.....	+26 25 35.3	....
	March 14, L.												
11	Mercury C, C	9	24 43.36	+ 0.30	−42.07	44 43 53.08	44.661	− 1.13	+ 56.3	23 24 1.59	0.00	− 5 53 8.5	....
	March 15, L.												
12	Sun I, N	9	37 37.64	+ 0.30	−42.08	40 57 51.70	44.127	− 1.13	+ 49.3	23 36 55.86	+64.70	− 2 6 47.8	....
13	Sun II, S	9	39 47.03	+ 0.30	−42.08	41 29 51.02	44.637	− 1.13	+ 50.2	23 39 5.25	−64.69	− 2 39 0.0	....
14	β Leonis	9	45 14.93	+ 0.22	**−42.48**	23 45 50.55	48.260	− 2.58	+ 26.9	11 44 32.72	.....	+15 4 2.6	....
15	π Virginis	9	57 2.29	+ 0.24	**−42.51**	31 43 50.08	46.578	− 2:58	+ 37.8	11 56 20.10	.....	+ 7 6 30.6	....
16	η Virginis	9	16 4.54	+ 0.26	**−42.44**	38 59 51.52	48.567	− 2.58	+ 49.6	12 15 22.36	.....	− 0 10 28.0	....
17	Moon II, S	9	41 18.49	+ 0.27	−42.45	41 3 51.40	47.344	− 2.58	+ 53.3	12 40 36.31	−63.21	− 2 14 3.8	....
18	35 Virginis	9	44 2.78	+ 0.25	**−42.35**	34 47 50.12	44.198	− 2.58	+ 42.5	12 43 20.57	.....	+ 4 3 20.4	....
19	δ Virginis	9	51 50.58	+ 0.25	**−42.45**	34 57 50.85	45.848	− 2.58	+ 42.8	12 51 8.37	.....	+ 3 52 41.5	....
20	ε Virginis	9	58 28.28	+ 0.23	**−42.45**	27 23 49.62	48.038	− 2.58	+ 31.8	12 57 46.05	.....	+11 26 3.7	....
	March 15, M.												
21	151 H^1. Cephei s. p.	9	8 48.00	+ 4.01	−42.45	304 11 47.42	47.462	− 3.08	−1 30.8	4 8 9.56	.....	+85 19 37.8	....
22	ε Ursæ Minoris	9	55 49.40	− 1.59	−42.47	316 41 48.90	45.190	− 3.00	− 58.5	16 55 5.34	.....	+82 10 40.2	....
23	ζ Draconis	9	9 14.91	− 0.16	−42.47	333 1 49.68	48.460	− 2.84	− 31.6	17 8 32.28	.....	+65 48 57.6	....
24	σ Ophiuchi	9	22 48.06	+ 0.38	**−42.49**	34 37 47.82	45.918	− 2.70	+ 43.1	17 22 5.96	.....	+ 4 12 42.7	....
25	β Ophiuchi	9	39 46.64	+ 0.39	[**−42.52**]	34 13 47.22	48.035	− 2.50	+ 42.6	17 39 4.54	.....	+ 4 35 55.3	....
26	ν Ophiuchi	9	54 49.64	+ 0.45	[**−42.64**]	48 35 47.88	46.643	− 2.32	+1 10.9	17 54 7.59	.....	− 9 46 2.0	....
27	η Serpentis	9	17 24.21	+ 0.44	[**−42.67**]	41 45 45.40	46.325	− 2.07	+ 55.9	18 16 42.14	.....	− 2 55 37.6	....
28	3 H. Scuti	9	31 3.61	+ 0.47	[**−42.57**]	47 7 47.80	48.448	− 1.91	+1 7.4	18 30 21.57	.....	− 8 18 40.1	....
	March 16, M.												
29	Sun N	.	.. ..	....	.....	40 33 50.55	45.030	− 1.11	+ 52.8	23 41	.....	− 1 43 10.9	....
30	Sun S	.	.. ..	....	.....	41 5 48.88	45.470	− 1.11	+ 53.9	.. ..	.....	− 2 15 20.6	....
31	ζ Draconis s. p.	9	9 28.03	+ 1.25	−56.89	284 43 48.22	46.408	− 2.08	−3 47.7	17 8 32.39	.....	+65 48 58.2	....
32	γ Orionis	9	21 17.68	+ 0.48	[**−56.89**]	32 33 48.08	47.372	− 2.08	+ 39.1	5 20 21.27	.....	+ 6 16 12.6	....
33	δ Orionis	9	28 23.88	+ 0.50	[**−56.92**]	39 11 50.32	47.108	− 2.08	+ 49.9	5 27 27.48	.....	− 0 21 54.4	....
34	ζ Orionis	9	37 12.42	+ 0.51	[**−56.90**]	40 49 47.98	45.675	− 2.08	+ 52.8	5 36 16.03	.....	− 1 59 22.2	....
35	κ Orionis	9	44 28.51	+ 0.54	[**−56.92**]	48 31 48.88	46.902	− 2.08	+1 9.2	5 43 32.14	.....	− 9 42 7.5	....
36	α Orionis	9	51 17.69	+ 0.47	**−56.92**	31 27 47.82	44.128	− 2.08	+ 37.4	5 50 21.25	.....	+ 7 23 28.7	....
37	δ Ursæ Minoris s. p.	9	1 48.00	+ 5.63	−56.92	305 29 48.28	43.908	− 2.08	−1 25.4	18 0 56.71	.....	+86 36 23.8	....
38	8 Monocerotis	9	19 59.76	+ 0.48	**−56.91**	34 11 49.78	46.898	− 2.08	+ 41.6	6 19 3.31	.....	+ 4 38 19.3	....
39	10 Monocerotis	9	24 30.51	+ 0.52	**−56.89**	43 31 49.02	48.230	− 2.08	+ 58.2	6 23 34.10	.....	− 4 42 27.0	....
40	S Monocerotis	8	37 1.39	+ 0.46	**−56.95**	28 51 49.08	46.165	− 2.08	+ 33.8	6 36 4.91	.....	+ 9 58 44.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 5 49	......	....	46.0
6 4	......	....	45.1
6 20	29.956	46.0	45.0
8 35	29.968	43.2	42.0
8 58	......	....	41.1
9 16	......	....	40.7
9 50	29.940	41.7	40.2
14 23 25	29.434	49.0	52.3
15 23 40	29.418	50.0	53.0
11 46	29.648	26.0	23.0
12 17	......	....	21.0
12 45	......	....	21.2
12 59	29.674	23.2	21.0
16 9	29.760	17.5	15.7
16 56	......	....	14.5
17 23	29.786	15.8	13.8
17 40	......	....	13.5
17 55	......	....	13.4
18 56	29.866	16.8	13.6
16 23 43	29.922	24.0	21.0
5 9	29.946	27.0	25.8
5 28	......	....	25.9
5 51	29.944	25.8	25.6
6 20	......	....	25.3
6 37	......	....	24.8

Micrometer bisections are made at II, VI, except as noted below.

3, 21, 22, 37.	Bisections at b_4, b_5, b_6.
5.	Bisections at I, II.
9, 17.	Bisections at II, III, IV, V, VI.
10, 18.	Bisections at VI, VII.
11, 27, 28, 31.	Bisections at I, II, VI, VII.
12, 29.	Bisections at I, II, III.
13, 30.	Bisections at V, VI, VII.
15.	Bisections at II, VII.
16.	Bisections at II, VI, VII.
23.	Bisections at III, IV, V.
26.	Bisections at I, VI, VII.

Notes.

14.	Through thick clouds.
15.	Very faint; clouds.
21.	High wind.
27.	One microscope reading decreased 10″.
27, 28.	Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+17 24.9	−15 52.8	...	+ 1 32.1
11	+ 4.6	.. ....	0.0	+ 4.6
12	+ 5.8	−16 6.1	...	−16 0.3
13	+ 5.8	+16 6.1	...	+16 11.9
17	+36 42.3	+15 18.1	...	+52 0.4
29	+ 5.7	−16 4.8	...	−15 59.1
30	+ 5.8	+16 4.8	...	+16 10.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Canis Majoris	9	0 40.73	+ 0.57	**−56.98**	54 19 47.90	46.310	− 2.08	+1 25.4	6 59 44.35	.....	−15 30 9.2	....
	March 16, P.												
2	θ Virginis	9	6 18.25	+ 0.51	**−57.24**	43 53 47.92	47.052	− 1.94	+ 59.9	13 5 21.56	.....	− 5 4 0.8	....
3	α Virginis	9	21 27.90	+ 0.54	**−57.23**	49 31 48.20	46.398	− 1.94	+1 13.0	13 20 31.23	.....	−10 41 59.2	....
4	Moon II, S.	9	27 59.23	+ 0.53	−57.22	47 3 46.52	47.072	− 1.94	+1 6.8	13 27 2.54	−63.06	− 8 14 6.9	....
5	m Virginis	9	37 54.05	+ 0.53	**−57.25**	47 5 47.60	45.202	− 1.94	+1 6.9	13 36 57.36	.....	− 8 15 25.2	....
6	κ Virginis	9	9 6.41	+ 0.53	**−57.25**	48 41 48.30	45.880	− 1.94	+1 10.7	14 8 9.70	.....	− 9 51 45.2	....
7	ι Virginis	9	12 18.37	+ 0.52	**−57.22**	44 23 48.45	48.958	− 1.94	+1 0.9	14 11 21.65	.....	− 5 34 45.9	....
8	ε Ursæ Minoris	9	56 5.06	− 2.02	−57.33	316 41 47.55	45.217	− 1.64	− 58.4	16 55 5.71	.....	+82 10 40.3	....
9	ζ Draconis	9	9 29.90	− 0.22	−57.34	333 1 48.40	48.438	− 1.64	− 31.5	17 8 32.34	.....	+65 48 57.6	....
10	σ Ophiuchi	9	23 2.84	+ 0.48	**−57.34**	34 37 46.00	45.925	− 1.64	+ 43.0	17 22 5.97	.....	+ 4 12 43.4	....
11	158 H.¹ Cephei s. p.	9	34 11.78	+ 4.82	−57.36	304 1 45.90	47.745	− 1.64	−1 31.6	5 33 19.24	.....	+85 9 43.1	....
12	β Ophiuchi	9	40 1.37	+ 0.48	**−57.31**	34 13 47.55	47.980	− 1.64	+ 42.4	17 39 4.49	.....	+ 4 35 55.5	....
13	ν Ophiuchi	9	55 4.31	+ 0.55	[**−57.38**]	48 35 48.30	46.590	− 1.64	+1 10.6	17 54 7.49	.....	− 9 46 1.6	....
14	δ Ursæ Minoris	9	1 58.67	− 5.45	−57.37	312 15 46.28	46.337	− 1.64	−1 8.2	18 0 55.85	.....	+86 36 24.9	....
15	η Serpentis	9	17 38.92	+ 0.52	[**−57.43**]	41 45 47.20	46.198	− 1.64	+ 55.6	18 16 42.06	.....	− 2 55 36.6	....
16	3 H. Scuti	9	31 18.39	+ 0.54	[**−57.39**]	47 7 49.18	48.325	− 1.64	+1 7.1	18 30 21.54	.....	− 8 18 38.7	....
17	θ Serpentis	6	52 44.21	+ 0.48	[**−57.42**]	34 45 48.75	45.275	− 1.64	+ 43.2	18 51 47.29	.....	+ 4 4 55.5	....
	March 17, P.												
18	Sun I, S.	9	44 11.54	+ 0.52	+ 2.43	40 41 52.62	46.255	− 1.18	+ 51.6	23 44 14.49	+64.64	− 1 51 39.6	....
19	Sun II, N.	9	46 20.82	+ 0.52	+ 2.43	40 9 51.18	45.850	− 1.18	+ 50.6	23 46 23.77	−64.64	− 1 19 28.2	....
20	γ Orionis	9	20 18.61	+ 0.41	[+ **2.24**]	32 33 46.32	47.548	− 2.66	+ 37.8	5 20 21.25	.....	+ 6 16 12.3	....
21	δ Orionis	9	27 24.80	+ 0.44	[+ **2.21**]	39 11 47.88	47.298	− 2.68	+ 48.2	5 27 27.46	.....	− 0 21 54.0	....
22	158 H¹. Cephei	9	33 19.11	− 2.77	+ 2.22	313 41 45.58	47.968	− 2.71	−1 1.5	5 33 18.56	.....	+85 9 42.4	....
23	ζ Orionis	9	36 13.33	+ 0.44	[+ **2.24**]	40 49 45.22	45.898	− 2.72	+ 51.1	5 36 15.99	.....	− 1 59 22.2	....
24	κ Orionis	9	43 29.42	+ 0.47	[+ **2.22**]	48 31 46.12	47.160	− 2.75	+1 6.9	5 43 32.10	.....	− 9 42 7.6	....
25	α Orionis	9	50 18.61	+ 0.41	[+ **2.21**]	31 27 47.62	44.200	− 2.78	+ 36.2	5 50 21.23	.....	+ 7 23 29.2	....
26	δ Ursæ Minoris s. p.	8	0 49.84	+ 5.21	+ 2.20	305 29 42.48	44.082	− 2.83	−1 22.7	18 0 57.25	.....	+86 36 24.0	....
27	8 Monocerotis	9	19 0.68	+ 0.42	+ **2.22**	34 11 46.18	47.150	− 2.90	+ 40.4	6 19 3.29	.....	+ 4 38 19.1	....
28	10 Monocerotis	9	23 31.46	+ 0.45	+ **2.21**	43 31 46.42	48.412	− 2.92	+ 56.5	6 23 34.10	.....	− 4 42 26.0	....
29	γ Geminorum	9	32 32.01	+ 0.37	+ **2.16**	22 21 44.50	47.092	− 2.96	+ 24.5	6 32 34.57	.....	+16 28 38.1	....
30	S Monocerotis	9	36 2.32	+ 0.40	+ **2.17**	28 49 45.08	51.610	− 2.98	+ 32.8	6 36 4.90	.....	+ 9 58 46.1	....
31	α Canis Majoris	9	41 11.11	+ 0.49	+ 2.18	55 25 45.88	45.280	− 3.00	+1 26.3	6 41 13.78	.....	−16 35 43.6	....
	March 18, P.												
32	ξ² Libræ	9	51 55.53	+ 0.32	+ **1.13**	49 53 46.45	44.645	− 2.98	+1 11.2	14 51 56.96	.....	−11 3 14.6	....
33	Moon II, S.	9	1 26.29	+ 0.35	+ 1.11	57 35 50.50	44.829	− 2.98	+1 34.4	15 1 27.75	−64.70	−18 45 46.1	....
34	ι Libræ	9	7 8.03	+ 0.34	+ **1.06**	58 15 49.80	49.245	− 2.98	+1 37.0	15 7 9.48	.....	−19 27 28.8	....
35	β Libræ	7	12 12.27	+ 0.31	+ **1.11**	47 53 50.22	45.367	− 2.98	+1 6.4	15 12 13.68	.....	− 9 3 30.0	....
36	32 Libræ	8	23 13.30	+ 0.33	+ **1.12**	55 13 47.90	47.396	− 2.98	+1 26.4	15 23 14.73	.....	−16 24 34.1	....
37	γ Libræ	9	30 31.89	+ 0.33	+ **1.17**	53 19 48.48	45.491	− 2.98	+1 20.6	15 30 33.31	.....	−14 29 45.3	....
38	β¹ Scorpii	9	0 14.66	+ 0.34	+ **1.05**	58 23 49.75	45.070	− 2.98	+1 37.5	16 0 16.08	.....	−19 33 53.9	....
39	ν Scorpii (*mean*)	9	6 48.29	+ 0.34	+ **1.03**	58 3 49.70	45.290	− 2.98	+1 36.3	16 6 49.71	.....	−19 13 57.6	....
	March 20, M.												
40	Sun I, S.	9	55 10.43	+ 0.34	+ 0.20	39 31 54.90	43.427	− 1.52	+ 46.6	23 55 10.97	+64.55	− 0 40 32.0	....
41	Sun II, N.	9	57 19.52	+ 0.34	+ 0.20	38 59 54.12	43.113	− 1.52	+ 45.7	23 57 20.06	−64.54	− 0 8 23.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 7 1	29.970	25.4	24.8
13 3	30.054	20.2	19.8
13 28	30.059	20.0	19.2
14 7	......	....	20.0
14 14	30.044	19.8	20.0
16 53	30.070	19.5	19.6
17 20	......	....	19.3
17 42	......	....	20.0
18 5	30.104	20.0	20.0
18 28	......	....	20.0
18 54	30.118	21.0	[illegible]
17 23 46	30.110	36.8	37.7
5 19	29.948	43.2	42.2
5 40	......	....	41.9
6 4	29.943	41.0	40.0
6 26	......	....	39.0
6 43	29.930	39.0	38.0
18 14 50	29.912	85.0	34.2
15 10	......	....	34.0
15 26	......	....	34.0
15 33	29.934	34.9	34.0
15 59	......	....	33.2
16 9	29.916	34.0	33.0
20 23 57	29.472	52.2	56.0

Micrometer bisections are made at II, VI, except as noted below.

4, 33.	Bisections at II, III, IV, V, VI.
8, 11, 22.	Bisections at III, IV, V.
9, 36, 37, 39.	Bisections at I, II, VI, VII.
14, 26.	Bisections at b_4, b_5, b_6.
17, 30.	Bisections at VI, VII.
18, 40.	Bisections at I, II, III.
19, 41.	Bisections at V, VI, VII.
35.	Bisections at II, VI, VII.

Note.

32–39. Light clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+40 30.8	+15 8.9	...	+55 39.7
18	+ 5.7	+16 5.7	...	+16 11.4
19	+ 5.7	−16 5.7	...	−16 0.0
33	+45 59.0	+14 54.2	...	+60 53.2
40	+ 5.6	+16 4.3	...	+16 9.9
41	+ 5.5	−16 4.3	...	−15 58.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ursæ Minoris s. p.	8	0 53.16	+ 4.72	+0.01	305 29 50.75	43.532	− 2.53	−1 18.8	18 0 57.89	.....	+86 36 23.9	....
2	β Canis Majoris	9	18 46.69	+ 0.21	+0.03	56 43 49.45	47.892	− 2.53	+1 26.3	6 18 46.91	.....	−17 54 47.3	....
3	10 Monocerotis	9	23 33.76	+ 0.20	+0.11	43 31 49.78	48.398	− 2.53	+ 53.9	6 23 33.96	.....	− 4 42 26.8	....
4	S Monocerotis	9	36 4.61	+ 0.17	+0.06	28 51 50.60	46.202	− 2.53	+ 31.3	6 36 4.78	.....	+ 9 58 45.1	....
5	ξ Geminorum	9	40 17.78	+ 0.17	0.00	25 51 52.28	44.120	− 2.53	+ 27.6	6 40 17.95	.....	+12 59 34.7	....
6	γ Canis Majoris	9	59 44.02	+ 0.21	+0.02	54 19 49.55	46.522	− 2.53	+1 19.4	6 59 44.22	.....	−15 30 9.2	....
	March 20, P.												
7	β¹ Scorpii	9	0 16.32	+ 0.22	−0.43	58 23 45.38	45.390	− 2.10	+1 34.7	16 0 16.22	.....	−19 33 54.8	....
8	ν Scorpii (*mean*)	9	6 49.93	+ 0.22	−0.43	58 3 47.02	45.520	− 2.10	+1 33.6	16 6 49.83	.....	−19 13 58.4	....
9	ζ Ophiuchi	9	32 15.97	+ 0.21	−0.34	49 13 48.42	45.248	− 2.10	+1 7.8	16 32 15.83	.....	−10 23 27.8	....
10	Moon II, S.	9	42 44.44	+ 0.22	−0.34	64 51 48.62	44.946	− 2.10	+2 4.3	16 42 44.32	−67.70	−26 2 17.6	....
11	η Ophiuchi	9	5 16.75	+ 0.22	−0.37	54 25 47.22	48.965	− 2.10	+1 21.9	17 5 16.62	.....	−15 37 5.6	....
12	ζ Draconis	9	8 33.17	− 0.22	−0.35	333 1 48.32	48.334	− 2.10	− 29.7	17 8 32.60	.....	+65 48 58.7	....
13	σ Ophiuchi	9	22 6.26	+ 0.19	−0.35	34 37 48.65	45.938	− 2.10	+ 40.5	17 22 6.09	.....	+ 4 12 43.4	....
14	ξ Serpentis	9	32 29.66	+ 0.22	−0.40	54 9 47.80	48.105	− 2.10	+1 21.2	17 32 29.52	.....	−15 20 45.9	....
15	β Ophiuchi	9	39 4.81	+ 0.19	−0.34	34 13 48.05	48.040	− 2.10	+ 40.0	17 39 4.63	.....	+ 4 35 56.5	....
16	ν Ophiuchi	9	54 7.77	+ 0.21	[−0.37]	48 35 49.70	46.710	− 2.10	+1 6.7	17 54 7.60	.....	− 9 46 1.4	....
17	δ Ursæ Minoris	9	1 1.67	− 3.81	−0.38	312 15 46.42	46.183	− 2.10	−1 4.4	18 0 57.48	.....	+86 36 24.9	....
18	η Serpentis	9	16 42.33	+ 0.20	[−0.40]	41 45 48.62	46.258	− 2.10	+ 52.6	18 16 42.14	.....	− 2 55 35.9	....
19	3 H. Scuti	9	30 21.86	+ 0.21	[−0.40]	47 7 48.25	48.545	− 2.10	+1 3.4	18 30 21.68	.....	− 8 18 38.6	....
20	ω Serpentis	9	51 47.56	+ 0.19	[−0.36]	34 45 47.12	45.425	− 2.10	+ 40.8	18 51 47.35	.....	+ 4 4 56.4	....
	March 21, P.												
21	Sun I, N.	9	58 49.98	+ 0.23	−0.55	38 35 49.92	44.040	− 1.22	+ 45.7	23 58 49.66	+64.53	+ 0 15 19.6	....
22	Sun II, S.	9	0 59.04	+ 0.23	−0.55	39 7 53.40	44.313	− 1.22	+ 46.6	0 0 58.72	−64.53	− 0 16 51.3	....
23	ζ Draconis s. p.	9	8 32.42	+ 0.84	−0.70	284 43 44.45	45.796	− 0.78	−3 30.0	17 8 32.56	.....	+65 48 59.4	....
24	γ Orionis	9	20 21.72	+ 0.11	[−0.64]	32 33 48.45	47.432	− 0.78	+ 36.1	5 20 21.13	.....	+ 6 16 12.6	....
25	δ Orionis	9	27 27.94	+ 0.12	[−0.68]	39 11 49.20	47.252	− 0.78	+ 46.1	5 27 27.35	.....	− 0 21 54.0	....
26	158 H¹. Cephei	9	33 21.00	− 2.41	−0.71	313 41 47.00	47.710	− 0.78	− 58.9	5 33 17.88	.....	+85 9 42.4	....
27	ζ Orionis	9	36 16.47	+ 0.12	[−0.65]	40 49 44.28	45.950	− 0.78	+ 48.9	5 36 15.88	.....	− 1 59 22.2	....
28	κ Orionis	9	43 32.58	+ 0.12	[−0.66]	48 31 49.38	47.010	− 0.78	+1 4.0	5 43 31.99	.....	− 9 42 6.6	....
29	α Orionis	9	50 21.74	+ 0.11	[−0.69]	31 27 48.15	44.150	− 0.78	+ 34.7	5 50 21.13	.....	+ 7 23 29.3	....
30	δ Ursæ Minoris s. p.	9	0 54.50	+ 4.15	−0.72	305 29 46.20	43.693	− 0.78	−1 19.1	18 0 57.93	.....	+86 36 24.4	....
31	8 Monocerotis	9	19 3.79	+ 0.11	[−0.65]	34 11 48.42	47.022	− 0.78	+ 38.7	6 19 3.17	.....	+ 4 38 19.4	....
32	γ Geminorum	9	32 35.04	+ 0.09	−0.66	22 21 46.65	46.928	− 0.78	+ 23.5	6 32 34.39	.....	+16 28 38.5	....
33	S Monocerotis	9	36 5.36	+ 0.10	−0.64	28 51 47.60	46.220	− 0.78	+ 31.4	6 36 4.72	.....	+ 9 58 45.8	....
34	ξ Geminorum	9	40 18.46	+ 0.10	−0.63	25 51 47.65	44.205	− 0.78	+ 27.6	6 40 17.82	.....	+12 59 35.4	....
35	α Canis Majoris	9	41 14.24	+ 0.12	−0.74	55 25 47.68	45.265	− 0.78	+1 22.5	6 41 13.62	.....	−16 35 43.3	....
36	51 H. Cephei	9	59 22.72	− 4.37	−0.75	311 39 45.70	47.608	− 0.78	−1 3.8	6 59 17.60	.....	+87 11 51.2	....
37	λ Geminorum	9	12 59.81	+ 0.09	−0.67	22 7 47.48	48.142	− 0.78	+ 23.3	7 12 59.14	.....	+16 42 10.1	....
	March 21, L.												
38	ν Scorpii (*mean*)	9	6 50.82	+ 0.17	−1.24	58 3 49.28	45.394	− 1.80	+1 32.8	16 6 49.92	.....	−19 13 57.3	....
39	ζ Ophiuchi	9	32 16.79	+ 0.16	−1.09	49 13 50.08	45.188	− 1.80	+1 7.1	16 32 15.87	.....	−10 23 27.6	....
40	ε Ursæ Minoris	9	55 9.15	− 1.27	−1.09	316 41 49.18	44.953	− 1.80	− 54.4	16 55 6.79	.....	+82 10 39.8	....
41	η Ophiuchi	9	5 17.66	+ 0.17	−1.20	54 25 49.42	48.930	− 1.80	+1 21.0	17 5 16.73	.....	−15 37 6.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 6 1	29.510	56.2	56.3
6 24	......	....	54.8
6 40	......	....	53.6
7 0	29.556	52.7	52.6
15 58	29.714	43.1	43.9
16 31	......	....	43.0
16 43	29.734	42.0	43.0
17 12	......	....	42.8
17 37	29.754	41.0	42.0
17 58	......	....	41.1
18 32	29.787	41.0	41.5
18 56	29.800	41.6	43.0
21 0 1	29.880	55.7	55.8
5 6	29.820	60.5	62.0
5 39	......	....	61.0
5 54	......	....	60.1
6 5	29.816	58.5	59.6
6 28	......	....	58.0
6 44	......	....	57.4
7 3	......	....	56.2
7 15	29.807	56.0	56.0
16 8	29.678	48.0	46.8
16 33	......	....	47.1
16 57	29.670	48.2	47.0

Micrometer bisections are made at II, VI, except as noted below.

1, 17, 30, 36.	Bisections at b_4, b_5, b_6.
7, 25, 39.	Bisections at II, VI, VII.
8, 12, 23, 38.	Bisections at I, II, VI, VII.
10.	Bisections at II, III, IV, V, VI.
21.	Bisections at I, II, III.
22.	Bisections at V, VI, VII.
26, 40.	Bisections at III, IV, V.
34, 41.	Bisections at I, II.
35.	Bisections at VI, VII.

Note.

1. Unsteady; high wind.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+48 59.1	+14 48.0	...	+63 47.1
21	+ 5.5	−16 5.5	...	−16 0.0
22	+ 5.5	+16 5.4	...	+16 10.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Draconis	9	8 33.90	− 0.20	−1.10	333 1 50.70	48.230	− 1.80	− 29.3	17 8 32.60	.....	+65 48 58.5	....
2	σ Ophiuchi	9	22 7.11	+ 0.15	−1.13	34 37 50.02	45.860	− 1.80	+ 40.0	17 22 6.15	.....	+ 4 12 44.1	....
3	ξ Serpentis	9	32 30.53	+ 0.17	−1.19	54 9 48.70	48.082	− 1.80	+1 20.2	17 32 29.59	.....	−15 20 45.7	....
4	Moon II, S	9	36 35.80	+ 0.16	−1.11	66 49 49.10	45.141	− 1.80	+2 14.8	17 36 34.85	−69.02	−28 0 33.3	....
5	β Ophiuchi	9	39 5.65	+ 0.15	−1.11	34 13 48.80	48.038	− 1.80	+ 39.5	17 39 4.68	.....	+ 4 35 56.0	....
6	ν Ophiuchi	9	54 8.62	+ 0.16	[−1.14]	48 35 50.48	46.716	− 1.80	+1 5.7	17 54 7.66	.....	− 9 46 1.6	....
7	δ Ursæ Minoris	9	1 2.83	− 3.33	−1.13	312 15 46.48	46.145	− 1.80	−1 3.5	18 0 58.37	.....	+86 36 24.5	....
8	η Serpentis	9	16 43.08	+ 0.16	[−1.08]	41 45 49.38	46.275	− 1.80	+ 51.8	18 16 42.11	.....	− 2 55 36.5	....
9	3 H. Scuti	9	30 22.66	+ 0.16	[−1.12]	47 7 49.85	48.523	− 1.80	+1 2.4	18 30 21.68	.....	− 8 18 38.9	....
10	θ Serpentis	7	51 48.41	+ 0.15	[−1.14]	34 45 50.25	45.332	− 1.80	+ 40.0	18 51 47.41	.....	+ 4 4 55.9	....
	March 22, L.												
11	Sun I, S	9	2 29.41	+ 0.09	−1.28	38 43 52.52	45.193	− 1.85	+ 44.2	0 2 28.22	+64,42	+ 0 6 52.8	....
12	Sun II, N	9	4 38.26	+ 0.09	−1.28	38 11 51.68	44.998	− 1.85	+ 43.3	0 4 37.07	−64.43	+ 0 38 58.8	....
	March 23, M.												
13	Sun S	.	.. ..	....	....	38 19 40.05	46.475	− 1.88	+ 46.8	0 7	.....	+ 0 30 33.1	....
14	Sun N	.	.. ..	....	....	37 47 37.55	46.410	− 1.88	+ 45.9	.. ..	.....	+ 1 2 38.7	....
15	γ Orionis	9	20 22.94	+ 0.22	[−2.00]	32 33 47.58	47.485	− 2.79	+ 38.3	5 20 21.15	.....	+ 6 16 12.1	....
16	δ Orionis	9	27 29.09	+ 0.23	[−1.97]	39 11 49.35	47.222	− 2.79	+ 49.0	5 27 27.31	.....	− 0 21 54.4	....
17	ζ Orionis	9	36 17.68	+ 0.23	[−2.00]	40 49 47.02	45.778	− 2.79	+ 51.9	5 36 15.90	.....	− 1 59 22.0	....
18	κ Orionis	9	43 33.77	+ 0.24	[−2.01]	48 31 50.10	46.922	− 2.79	+1 8.0	5 43 31.99	.....	− 9 42 7.3	....
19	α Orionis	9	50 22.93	+ 0.22	[−2.02]	31 27 48.12	44.172	− 2.79	+ 36.8	5 50 21.13	.....	+ 7 23 28.7	....
20	8 Monocerotis	9	19 5.00	+ 0.22	[−2.00]	34 11 48.10	47.050	− 2.79	+ 41.0	6 19 3.18	.....	+ 4 38 18.8	....
21	γ Geminorum	9	32 36.31	+ 0.19	−2.06	22 21 46.90	46.992	− 2.79	+ 24.9	6 32 34.46	.....	+16 28 37.4	....
22	S Monocerotis	9	36 6.67	+ 0.21	−2.09	28 51 48.72	46.222	− 2.79	+ 33.3	6 36 4.84	.....	+ 9 58 44.8	....
23	ξ Geminorum	9	40 19.80	+ 0.20	−2.10	25 51 48.48	44.230	− 2.79	+ 29.3	6 40 17.95	.....	+12 59 34.5	....
24	51 H. Cephei	9	59 22.72	− 4.27	−2.06	311 39 46.02	47.852	− 2.79	−1 7.6	6 59 16.39	.....	+87 11 51.1	....
25	δ Geminorum	9	14 50.91	+ 0.17	−2.05	16 41 47.75	46.512	− 2.79	+ 18.2	7 14 49.02	.....	+22 8 54.2	....
26	β Canis Minoris	9	22 21.80	+ 0.21	−2.05	30 21 47.55	47.698	− 2.79	+ 35.5	7 22 19.94	.....	+ 8 28 10.0	....
	March 23, P.												
27	β¹ Scorpii	9	0 18.19	+ 0.39	−2.38	58 23 41.45	45.363	− 2.37	+1 39.9	16 0 16.21	.....	−19 33 55.2	....
28	ν Scorpii (*mean*)	9	6 51.83	+ 0.39	−2.42	58 3 46.85	45.309	− 2.33	+1 38.6	16 6 49.85	.....	−19 13 58.1	....
29	ζ Ophiuchi	9	32 17.88	+ 0.37	−2.33	49 13 45.02	45.270	− 2.17	+1 11.4	16 32 15.87	.....	−10 23 28.4	....
30	η Ophiuchi	9	5 18.69	+ 0.40	−2.40	54 27 44.18	43.680	− 1.97	+1 26.2	17 5 16.69	.....	−15 37 6.3	....
31	σ Ophiuchi	9	22 8.19	+ 0.34	−2.34	34 37 51.78	45.700	− 1.87	+ 42.7	17 22 6.12	.....	+ 4 12 43.3	....
32	ξ Serpentis	9	32 31.59	+ 0.40	−2.42	54 9 51.02	47.828	− 1.83	+1 25.5	17 32 29.58	.....	−15 20 47.2	....
33	β Ophiuchi	9	39 6.77	+ 0.35	−2.37	34 13 50.38	47.860	− 1.79	+ 42.1	17 39 4.71	.....	+ 4 35 55.9	....
34	ν Ophiuchi	9	54 9.69	+ 0.40	[−2.39]	48 35 52.70	46.422	− 1.73	+1 10.1	17 54 7.67	.....	− 9 46 1.6	....
35	δ Ursæ Minoris	9	1 5.28	− 4.23	−2.42	312 15 50.50	46.157	− 1.69	−1 7.7	18 0 58.63	.....	+86 36 24.3	....
36	η Serpentis	9	16 44.29	+ 0.38	[−2.45]	41 45 51.88	46.008	− 1.62	+ 55.3	18 16 42.24	.....	− 2 55 36.6	....
37	3 H. Scuti	9	30 23.79	+ 0.40	[−2.43]	47 7 51.98	48.241	− 1.56	+1 6.7	18 30 21.75	.....	− 8 18 39.2	....
38	θ Serpentis	9	51 49.57	+ 0.37	[−2.46]	34 45 51.68	45.125	− 1.47	+ 43.0	18 51 47.49	.....	+ 4 4 55.9	....
39	51 H. Cephei s. p.	9	59 12.89	+ 6.45	−2.45	306 3 51.38	47.587	− 1.43	−1 24.4	6 59 16.89	.....	+87 11 52.7	....
40	δ Draconis	9	12 33.71	− 0.25	−2.46	331 21 52.22	46.079	− 1.37	− 33.6	19 12 31.60	.....	+67 29 49.5	....
41	Moon II, N	9	28 12.21	+ 0.49	−2.46	66 13 50.68	47.048	− 1.29	+2 19.9	19 28 10.24	−69.90	−27 25 24.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 17 10	....	....	46.9
17 23	....	....	46.7
18 5	29.654	47.8	46.1
18 17	....	....	46.4
18 31	....	....	47.0
18 52	29.660	50.0	48.9
22 0 5	29.509	66.0	69.3
23 0 8	29.850	43.0	39.9
5 20	29.912	36.8	34.5
5 36	....	....	33.8
5 50	....	....	33.2
6 19	29.940	34.6	32.6
6 59	....	....	31.2
7 22	29.970	32.7	31.1
15 58	30.050	26.0	24.4
16 35	....	....	24.0
17 8	30.086	24.8	23.8
17 35	....	....	23.5
18 4	30.116	24.0	23.0
18 33	....	....	23.0
18 49	30.148	24.8	23.1
19 16	....	....	24.0
19 29	30.160	25.6	24.2

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at III, IV, V.
3.	Bisections at I, II.
4, 41.	Bisections at II, III, IV, V, VI.
6, 8, 10, 28, 29, 34, 36, 37, 40.	Bisections at I, II, VI, VII.
7, 24, 35, 39.	Bisections at b_4, b_5, b_6.
9, 27, 32.	Bisections at II, VI, VII.
11.	Bisections at I, II, III.
12.	Bisections at V, VI, VII.
13.	Bisections at III, III½, IV.
14.	Bisections at VI, VI½, VII.

Note.

10. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+49 48.8	+14 49.2	...	+64 38.0
11	+ 5.5	+16 2.9	...	+16 8.4
12	+ 5.4	−16 3.0	...	−15 57.6
13	+ 5.4	+16 2.8	...	+16 8.2
14	+ 5.4	−16 2.8	...	−15 57.4
41	+50 13.3	−15 0.5	...	+35 12.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 24, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	9	9 46.84	+ 0.47	−2.59	37 55 55.48	46.823	− 1.55	+ 47.5	0 9 44.72	+64.50	+ 0 54 9.0	....
2	Sun II, N.	9	11 55.83	+ 0.47	−2.59	37 23 53.98	46.363	− 1.55	+ 46.6	0 11 53.71	−64.49	+ 1 26 21.6	....
3	Mercury C, C.	9	27 48.59	+ 0.47	−2.60	36 43 51.62	44.539	− 1.55	+ 45.4	0 27 46.46	0.00	+ 2 7 7.0	....
4	γ Orionis	9	20 23.43	+ 0.35	[−**2.64**]	32 33 50.70	47.305	− 2.26	+ 38.5	5 20 21.05	.....	+ 6 16 12.4	....
5	δ Orionis	9	27 29.68	+ 0.36	[−**2.71**]	39 11 50.68	47.120	− 2.26	+ 49.1	5 27 27.30	.....	− 0 21 54.0	....
6	ζ Orionis	9	36 18.23	+ 0.37	[−**2.71**]	40 49 50.78	45.612	− 2.26	+ 52.1	5 36 15.86	.....	− 1 59 22.6	....
7	κ Orionis	9	43 34.34	+ 0.39	[−**2.74**]	48 31 51.72	46.828	− 2.26	+1 8.2	5 43 31.98	.....	− 9 42 7.5	....
8	α Orionis	9	50 23.44	+ 0.34	[−**2.67**]	31 27 50.90	44.025	− 2.26	+ 36.9	5 50 21.03	.....	+ 7 23 28.7	....
9	δ Ursæ Minoris s. p.	9	0 57.78	+ 4.52	−2.76	305 29 49.42	43.857	− 2.26	−1 24.1	18 0 59.54	.....	+86 36 24.9	....
10	8 Monocerotis	9	19 5.49	+ 0.35	[−**2.64**]	34 11 51.30	46.865	− 2.26	+ 41.1	6 19 3.08	.....	+ 4 38 19.2	....
11	γ Geminorum	9	32 36.75	+ 0.32	−**2.65**	22 21 50.55	46.800	− 2.26	+ 24.9	6 32 34.30	.....	+16 28 37.6	....
12	ε Geminorum	9	38 30.00	+ 0.29	−**2.64**	13 37 50.18	45.422	− 2.26	+ 14.7	6 38 27.52	.....	+25 13 19.4	....
13	α Canis Majoris	9	41 15.93	+ 0.40	−2.77	55 25 51.72	44.920	− 2.26	+1 27.7	6 41 13.56	.....	−16 35 43.3	....
14	51 H. Cephei	9	59 23.39	− 4.44	−2.78	311 39 49.58	47.695	− 2.26	−1 7.7	6 59 16.17	.....	+87 11 50.7	....
15	δ Draconis s. p.	9	12 32.82	+ 1.07	−2.79	286 23 49.18	47.628	− 2.26	−3 22.1	19 12 31.10	.....	+67 29 52.4	....
16	ι Geminorum	9	20 15.01	+ 0.28	−**2.71**	10 51 50.75	47.242	− 2.26	+ 11.7	7 20 12.50	.....	+27 58 40.4	....
17	β Canis Minoris	9	22 22.33	+ 0.34	−**2.73**	30 21 49.60	47.570	− 2.26	+ 35.6	7 22 19.88	.....	+ 8 28 10.3	....
	March 24, L.												
18	ζ Ophiuchi	9	32 18.69	+ 0.47	−**3.21**	49 13 54.92	44.740	− 1.54	+1 11.5	16 32 16.04	.....	−10 23 27.0	....
19	η Ophiuchi	9	5 19.53	+ 0.49	−**3.30**	54 27 53.72	43.185	− 1.54	+1 26.3	17 5 16.88	.....	−15 37 5.0	....
20	σ Ophiuchi	9	22 8.88	+ 0.44	−**3.10**	34 37 54.18	45.510	− 1.54	+ 42.7	17 22 6.18	.....	+ 4 12 45.0	....
21	ξ Serpentis	9	32 32.43	+ 0.49	−**3.32**	54 9 53.70	47.605	− 1.54	+1 25.6	17 32 29.77	.....	−15 20 45.5	....
22	158 H^1. Cephei s. p.	5	33 16.58	+ 3.17	−3.15	304 1 52.20	47.408	− 1.54	−1 31.0	5 33 16.60	.....	+85 9 42.5	....
23	β Ophiuchi	9	39 7.50	+ 0.44	−**3.16**	34 13 53.68	47.680	− 1.54	+ 42.1	17 39 4.79	.....	+ 4 35 56.5	....
24	ν Ophiuchi	9	54 10.48	+ 0.47	[−**3.22**]	48 35 54.85	46.252	− 1.54	+1 10.2	17 54 7.79	.....	− 9 46 0.1	....
25	δ Ursæ Minoris	8	1 6.12	− 3.26	−3.16	312 15 51.20	46.112	− 1.54	−1 7.8	18 0 59.70	.....	+86 36 24.6	....
26	η Serpentis	9	16 45.02	+ 0.46	[−**3.23**]	41 45 53.68	45.895	− 1.54	+ 55.3	18 16 42.31	.....	− 2 55 35.9	....
27	3 H. Scuti	9	30 24.54	+ 0.47	[−**3.22**]	47 7 54.15	48.080	− 1.54	+1 6.7	18 30 21.83	.....	− 8 18 37.7	....
28	θ Serpentis	9	51 50.28	+ 0.44	[−**3.21**]	34 45 54.65	44.942	− 1.54	+ 42.9	18 51 47.53	.....	+ 4 4 57.3	....
29	51 H. Cephei s. p.	9	59 13.78	+ 5.10	−3.19	306 3 52.12	47.543	− 1.54	−1 24.2	6 59 15.69	.....	+87 11 52.5	....
30	δ Draconis	9	12 34.39	− 0.03	−3.20	331 21 52.70	46.068	− 1.54	− 33.5	19 12 31.16	.....	+67 29 49.7	....
31	Moon II	9	24 2.86	+ 0.52	−3.22	64 20	......	....	. ....	20 24 0.16	−69.35	.. ..	....
	March 25, L.												
32	Sun I, S.	9	13 25.97	+ 0.37	−3.33	37 31 57.20	47.653	− 1.85	+ 45.8	0 13 23.01	+64.43	+ 1 17 50.3	....
33	Sun II, N.	9	15 34.84	+ 0.37	−3.33	36 59 53.42	47.640	− 1.85	+ 45.0	0 15 31.88	−64.44	+ 1 49 54.9	....
34	γ Orionis	9	20 24.34	+ 0.29	[−**3.51**]	32 33 52.20	47.278	− 2.68	+ 37.7	5 20 21.16	.....	+ 6 16 12.6	....
35	δ Orionis	9	27 30.47	+ 0.31	[−**3.47**]	39 11 51.80	47.120	− 2.70	+ 48.2	5 27 27.31	.....	− 0 21 53.8	....
36	ζ Orionis	9	36 19.04	+ 0.31	[−**3.48**]	40 49 49.98	45.682	− 2.74	+ 51.1	5 36 15.88	.....	− 1 59 22.0	....
37	κ Orionis	9	43 35.09	+ 0.32	[−**3.44**]	48 31 55.80	46.695	− 2.77	+1 6.9	5 43 31.93	.....	− 9 42 6.7	....
38	α Orionis	9	50 24.31	+ 0.29	[−**3.51**]	31 27 54.70	43.888	− 2.80	+ 36.2	5 50 21.12	.....	+ 7 23 29.3	....
39	δ Ursæ Minoris s. p.	9	0 59.28	+ 4.00	−3.49	305 29 49.42	43.813	− 2.84	−1 22.5	18 0 59.79	.....	+86 36 25.0	....
40	8 Monocerotis	9	19 6.39	+ 0.30	[−**3.51**]	34 11 54.10	46.772	− 2.92	+ 40.3	6 19 3.20	.....	+ 4 38 20.0	....
41	ε Geminorum	9	38 30.88	+ 0.24	−**3.49**	13 37 52.72	45.318	− 2.99	+ 14.5	6 38 27.62	.....	+25 13 20.2	....
42	ξ Geminorum	9	40 21.11	+ 0.28	−**3.53**	25 51 54.45	43.940	− 3.00	+ 28.9	6 40 17.88	.....	+12 59 35.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
24 0 12	30.222	32.9	32.3
0 28	30.216	33.5	32.8
5 18	30.170	37.1	36.8
5 40	......	....	36.1
5 55	......	....	35.8
6 22	30.180	35.1	34.9
6 45	......	....	34.0
7 4	......	....	34.0
7 25	30.188	33.6	33.4
16 33	30.252	27.0	26.3
17 6	......	....	26.1
17 23	......	....	25.9
17 40	......	....	25.6
17 53	30.272	26.0	25.4
18 18	......	....	25.0
18 31	......	....	25.4
19 2	30.292	27.1	26.8
19 14	......	....	27.7
25 0 16	30.278	42.5	43.0
5 18	[illegible]	47.3	46.9
5 37	......	....	46.0
5 51	......	....	45.5
6 4	30.194	46.0	45.0
6 20	......	....	44.0
6 37	......	....	42.4

Micrometer bisections are made at II, VI, except as noted below.

1, 32.	Bisections at I, II, III.
2, 33.	Bisections at V, VI, VII.
3, 5–7, 15.	Bisections at I, II, VI, VII.
4, 24, 26.	Bisections at II, VI, VII.
9, 14, 25, 29, 39.	Bisections at b_4, b_5, b_6.
12, 21, 41.	Bisections at I, II.
22.	Bisections at b_1, b_2, b_3.
30.	Bisections at II, III, V, VI.

Note.

18. Micrometer reading decreased 1 rev.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ′
1	+ 5.4	+16 6.2	...	+16 11.6
2	+ 5.3	−16 6.3	...	−16 1.0
3	+ 4.0	.. ....	0.0	+ 4.0
32	+ 5.3	+16 2.3	...	+16 7.6
33	+ 5.3	−16 2.3	...	−15 57.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	51 H. Cephei	9	59 22.78	− 3.95	−3.51	311 39 50.70	47.608	− 3.08	−1 6.7	6 59 15.32	.....	+87 11 51.4	....
2	δ Draconis s. p.	9	12 33.86	+ 0.94	−3.52	286 23 53.18	47.300	− 3.13	−3 19.3	19 12 31.28	.....	+67 29 51.3	....
3	δ Geminorum	9	14 52.26	+ 0.25	−3.52	16 41 52.75	46.265	− 3.14	+ 18.0	7 14 48.99	.....	+22 8 55.4	....
4	ι Geminorum	9	20 15.85	+ 0.23	−3.52	10 51 53.52	47.150	− 3.17	+ 11.5	7 20 12.56	.....	+27 58 40.9	....
5	β Canis Minoris	9	22 23.16	+ 0.29	−3.52	30 21 53.40	47.438	− 3.17	+ 35.1	7 22 19.92	.....	+ 8 28 10.9	....
	March 27, M.												
6	Sun I, N	9	20 43.89	+ 0.17	−4.67	36 13 49.28	45.147	− 2.90	+ 40.9	0 20 39.39	+64.45	+ 2 37 1.4	....
7	Sun II, S	9	22 52.78	+ 0.17	−4.67	36 45 48.90	45.253	− 2.90	+ 41.7	0 22 48.28	−64.44	+ 2 4 58.3	....
8	Mercury C, C	9	49 35.22	+ 0.16	−4.69	33 51 52.55	47.170	− 2.90	+ 37.3	0 49 30.69	+ 0.01	+ 4 58 15.4	....
9	ζ Hydræ	9	50 47.16	+ 0.12	−5.00	32 33 51.75	45.142	− 3.80	+ 36.3	8 50 42.31	.....	+ 6 17 4.1	....
10	α Cancri	9	53 43.08	+ 0.11	−5.02	26 37 50.88	47.922	− 3.80	+ 28.5	8 53 38.22	.....	+12 12 9.6	....
11	ξ Leonis	7	27 15.00	+ 0.11	−5.06	27 7 52.78	49.150	− 3.80	+ 29.3	9 27 10.12	.....	+11 41 38.9	....
12	π Leonis	8	55 36.74	+ 0.12	−5.07	30 22	....	....	. ....	9 55 31.86	.....	+ 8 28	....
13	λ Hydræ	8	6 20.87	+ 0.14	−5.06	50 43 51.25	49.015	− 3.80	+1 10.0	10 6 16.00	.....	−11 51 57.2	....
14	ζ Leonis	9	11 50.94	+ 0.09	−5.06	14 59 50.20	44.540	− 3.80	+ 15.4	10 11 46.02	.....	+23 51 40.6	....
	March 27, P.												
15	σ Ophiuchi	9	22 11.37	+ 0.16	−5.22	34 37 47.22	46.052	− 2.84	+ 40.2	17 22 6.26	.....	+ 4 12 43.3	....
16	158 H¹. Cephei s. p.	9	33 18.22	+ 3.31	−5.28	304 1 48.25	47.357	− 2.84	−1 25.6	5 33 16.25	.....	+85 9 41.7	....
17	β Ophiuchi	9	39 9.94	+ 0.16	−5.23	34 13 47.28	48.135	− 2.84	+ 39.6	17 39 4.82	.....	+ 4 35 56.3	....
18	μ Herculis	9	43 3.92	+ 0.09	−5.17	11 3 47.50	49.340	− 2.84	+ 11.4	17 42 58.73	.....	+27 45 56.6	....
19	89 Herculis	9	51 55.13	+ 0.10	−5.17	12 47 48.42	45.305	− 2,84	+ 13.3	17 51 49.95	.....	+26 3 26.0	....
20	ν Ophiuchi	9	54 12.89	+ 0.19	[−5.25]	48 35 50.60	46.752	− 2.84	+1 5.9	17 54 7.79	.....	− 9 46 1.7	....
21	δ Ursæ Minoris	9	1 10.17	− 4.04	−5.29	312 15 47.35	46.173	− 2.84	−1 3.7	18 1 0.84	.....	+86 36 24.3	....
22	η Serpentis	9	16 47.44	+ 0.18	[−5.28]	41 45 48.75	46.325	− 2.84	+ 52.0	18 16 42.32	.....	− 2 55 36.2	....
23	51 H. Cephei s. p.	8	59 14.01	+ 5.83	−5.32	306 3 48.22	47.482	− 2.84	−1 19.4	6 59 14.52	.....	+87 11 50.7	....
24	δ Draconis	9	12 36.97	− 0.37	−5.32	331 21 49.22	46.150	− 2.84	− 31.7	19 12 31.28	.....	+67 29 50.4	....
	March 28, P.												
25	Sun I, N	9	24 22.81	+ 0.15	−5.44	35 49 52.48	46.182	− 2.65	+ 41.8	0 24 17.52	+64.52	+ 3 0 33.4	....
26	Sun II, S	9	26 31.84	+ 0.15	−5.44	36 21 49.20	46.603	− 2.65	+ 42.7	0 26 26.55	−64.51	+ 2 28 26.0	....
27	Mercury C, C	9	56 50.20	+ 0.14	−5.45	32 55 47.78	44.474	− 2.65	+ 37.4	0 56 44.89	+ 0.01	+ 5 55 21.4	....
28	γ Orionis	9	20 26.50	+ 0.16	[−5.58]	32 33 49.30	47.460	− 2.98	+ 36.8	5 20 21.11	.....	+ 6 16 12.6	....
29	δ Orionis	9	27 32.56	+ 0.18	[−5.47]	39 11 49.35	47.282	− 2.98	+ 47.0	5 27 27.19	.....	− 0 21 53.6	....
30	ζ Orionis	9	36 21.11	+ 0.18	[−5.46]	40 49 49.08	45.760	− 2.98	+ 49.8	5 36 15.73	.....	− 1 59 21.2	....
31	κ Orionis	9	43 37.27	+ 0.19	[−5.55]	48 31 50.50	46.988	− 2.98	+1 5.2	5 43 31.90	.....	− 9 42 6.2	....
32	α Orionis	9	50 26.42	+ 0.16	[−5.53]	31 27 49.05	44.155	− 2.98	+ 35.3	5 50 21.02	.....	+ 7 23 29.9	....
33	δ Ursæ Minoris s. p.	9	1 1.78	+ 4.84	−5.57	305 29 49.75	43.683	− 2.98	−1 20.4	18 1 1.05	.....	+86 36 24.3	....
34	8 Monocerotis	9	19 8.52	+ 0.16	[−5.55]	34 11 50.48	46.965	− 2.98	+ 39.4	6 19 3.10	.....	+ 4 38 20.1	....
35	51 H. Cephei	9	59 25.28	− 5.16	−5.60	311 39 49.82	47.535	− 2.98	−1 4.9	6 59 14.52	.....	+87 11 52.0	....
36	δ Draconis s. p.	9	12 35.86	+ 1.00	−5.60	286 23 48.18	47.288	− 2.98	−3 13.8	19 12 31.26	.....	+67 29 51.7	....
37	δ Geminorum	9	14 54.37	+ 0.11	−5.54	16 41 47.85	46.500	− 2.98	+ 17.5	7 14 48.87	.....	+22 8 55.2	....
38	ι Geminorum	9	20 17.96	+ 0.09	−5.55	10 51 49.52	47.368	− 2.98	+ 11.2	7 20 12.44	.....	+27 58 40.0	....
39	β Canis Minoris	9	22 25.33	+ 0.16	−5.61	30 21 47.58	47.738	− 2.98	+ 34.1	7 22 19.88	.....	+ 8 28 10.6	....
40	κ Geminorum	9	39 10.56	+ 0.10	−5.49	14 13 48.22	46.760	− 2.98	+ 14.8	7 39 5.04	.....	+24 36 51.4	....
41	β Geminorum	9	39 58.46	+ 0.09	−5.64	10 35 46.18	47.595	− 2.98	+ 11.0	7 39 52.93	.....	+28 14 38.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 7 5	......	....	40.9
7 24	30.208	41.3	40.0
27 0 23	29.433	59.0	61.0
0 50	29.421	60.2	63.1
8 51	29.346	54.6	51.3
9 36	......	....	48.8
10 12	29.380	49.7	47.5
17 20	29.420	42.3	41.0
17 48	......	....	41.2
18 8	......	....	41.0
18 19	29.426	41.5	40.8
19 4	......	....	40.8
19 15	29.440	41.2	40.2
28 0 27	29.542	47.8	44.7
0 57	29.540	48.1	46.2
5 18	29.536	49.0	48.0
5 40	......	....	47.2
5 57	......	....	47.0
6 21	29.550	47.0	45.2
6 55	29.546	45.2	43.9
7 17	......	....	43.0
7 26	......	....	42.8
7 42	29.550	43.6	42.0

Micrometer bisections are made at II, VI, except as noted below.

1, 16, 21, 23, 33, 35.	Bisections at b_4, b_5, b_6.
2, 36.	Bisections at III, IV, V.
6, 25.	Bisections at I, II, III.
7, 26.	Bisections at V, VI, VII.
8, 13, 14, 24, 27.	Bisections at I, II, VI, VII.
11, 30.	Bisections at II, VI, VII.
40.	Bisections at I, II.
41.	Bisections at VI, VII.

Notes.

9–13, 20, 23.	Clouds.
11.	Very faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 5.2	−16 1.5	...	−15 56.3
7	+ 5.3	+16 1.5	...	+16 6.8
8	+ 3.8	.. ....	0.0	+ 3.8
25	+ 5.1	−16 3.7	...	−15 58.6
26	+ 5.2	+16 3.6	...	+16 8.8
27	+ 3.7	.. ....	+ 0.1	+ 3.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 28, L.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	σ Ophiuchi	9	22 12.12	+ 0.24	−6.03	34 37 50.98	45.800	− 2.19	+ 40.9	17 22 6.39	.....	+ 4 12 44.0	....
2	α Ophiuchi	9	30 54.40	+ 0.22	−6.05	26 13 50.15	45.332	− 2.19	+ 29.2	17 30 48.65	.....	+12 37 7.2	....
3	β Ophiuchi	9	39 10.67	+ 0.24	−6.02	34 13 50.28	47.945	− 2.19	+ 40.3	17 39 4.94	.....	+ 4 35 56.4	....
4	μ Herculis	9	43 4.71	+ 0.17	−6.01	11 5 49.82	43.965	− 2.19	+ 11.6	17 42 58.90	.....	+27 45 56.3	....
5	ν Ophiuchi	9	54 13.69	+ 0.27	[−6.10]	48 35 51.28	46.612	− 2.19	+1 7.0	17 54 7.98	.....	− 9 46 0.9	....
6	δ Ursæ Minoris	9	1 10.39	− 3.75	−5.98	312 15 49.42	46.117	− 2.19	−1 4.7	18 1 0.66	.....	+86 36 23.8	....
7	η Serpentis	9	16 48.22	+ 0.26	[−6.11]	41 45 50.30	46.161	− 2.19	+ 52.8	18 16 42.49	.....	− 2 55 35.5	....
8	θ Serpentis	9	51 53.46	+ 0.24	[−6.07]	34 45 50.00	45.309	− 2.19	+ 41.0	18 51 47.69	.....	+ 4 4 56.1	....
	March 29, L.												
9	Sun I, N	9	28 1.85	+ 0.28	−6.21	35 25 53.98	47.730	− 1.12	+ 40.2	0 27 55.92	+64.39	+ 3 23 56.6	....
10	Sun II, S	9	30 10.63	+ 0.28	−6.21	35 57 56.70	47.530	− 1.12	+ 41.0	0 30 4.70	−64.39	+ 2 51 57.4	....
11	β Cancri	9	11 48.27	+ 0.21	−6.47	29 21 54.32	48.900	− 2.18	+ 32.2	8 11 42.01	.....	+ 9 27 38.5	....
12	η Cancri	9	27 40.93	+ 0.19	−6.46	18 5 54.82	46.632	− 2.07	+ 18.8	8 27 34.64	.....	+20 44 43.1	....
13	δ Cancri	9	39 44.88	+ 0.19	−6.45	20 21 53.80	45.912	− 1.99	+ 21.3	8 39 38.59	.....	+18 28 57.9	....
14	ε Hydræ	9	42 10.93	+ 0.22	−6.52	32 5 53.40	45.830	− 1.96	+ 36.0	8 42 4.66	.....	+ 6 44 45.5	....
15	ζ Hydræ	9	50 48.48	+ 0.22	−6.45	32 33 53.82	44.900	− 1.90	+ 36.6	8 50 42.21	.....	+ 6 17 5.7	....
16	α Cancri	9	53 44.47	+ 0.21	−6.53	26 37 54.68	47.610	− 1.88	+ 28.8	8 53 38.19	.....	+12 12 10.7	....
17	α Hydræ	9	23 20.00	+ 0.24	−6.53	47 5 55.98	47.715	− 1.71	+1 1.9	9 23 13.73	.....	− 8 16 26.2	....
18	ξ Leonis	9	27 16.33	+ 0.21	−6.51	27 7 55.18	48.932	− 1.71	+ 29.5	9 27 10.03	.....	+11 41 39.1	....
	March 30, M.												
19	Sun I, S	9	31 40.67	+ 0.23	−6.85	35 35 54.10	44.208	− 1.80	+ 40.2	0 31 34.05	+64.46	+ 3 15 17.7	....
20	Sun II, N	9	33 49.59	+ 0.23	−6.85	35 3 53.55	44.138	− 1.80	+ 39.4	0 33 42.97	−64.46	+ 3 47 20.4	....
21	Mercury C, C	9	11 14.42	+ 0.22	−6.87	31 1 54.90	47.128	− 1.47	+ 33.8	1 11 7.77	+ 0.01	+ 7 48 16.1	....
22	ζ Orionis	9	36 22.56	+ 0.19	[−6.95]	40 49 53.80	45.614	− 2.06	+ 49.1	5 36 15.75	.....	− 1 59 22.9	....
23	κ Orionis	9	43 38.66	+ 0.20	[−6.98]	48 31 54.80	46.885	− 2.06	+1 4.4	5 43 31.85	.....	− 9 42 8.2	....
24	α Orionis	9	50 27.77	+ 0.17	[−6.92]	31 27 54.18	43.978	− 2.06	+ 34.9	5 50 20.93	.....	+ 7 23 28.3	....
25	51 H. Cephei	9	59 25.67	− 4.35	−7.04	311 39 48.85	47.517	− 2.06	−1 4.0	6 59 14.28	.....	+87 11 51.6	....
26	δ Draconis s. p.	8	12 37.60	+ 0.89	−7.05	286 23 56.18	46.765	− 2.06	−3 11.0	19 12 31.44	.....	+67 29 50.9	....
27	δ Cancri	9	39 45.54	+ 0.15	−7.09	20 21 54.52	45.892	− 2.06	+ 21.4	8 39 38.59	.....	+18 28 57.7	....
28	ε Hydræ	9	42 11.52	+ 0.18	−7.09	32 5 52.68	45.920	− 2.06	+ 36.2	8 42 4.60	.....	+ 6 44 44.1	....
29	ζ Hydræ	9	50 49.14	+ 0.18	−7.08	32 33 53.42	44.975	− 2.06	+ 36.8	8 50 42.22	.....	+ 6 17 4.3	....
30	α Cancri	9	53 45.04	+ 0.16	−7.07	26 37 53.48	47.720	− 2.06	+ 28.9	8 53 38.10	.....	+12 12 9.4	....
31	α Hydræ	9	23 20.56	+ 0.20	−7.06	47 5 54.55	47.802	− 2.06	+1 2.1	9 23 13.64	.....	− 8 16 26.6	....
32	ξ Leonis	9	27 16.97	+ 0.16	−7.11	27 7 54.05	49.028	− 2.06	+ 29.6	9 27 10.01	.....	+11 41 38.3	....
	March 30, P.												
33	η Ophiuchi	9	5 24.12	+ 0.25	−7.47	54 27 51.10	43.510	− 1.94	+1 22.3	17 5 16.97	.....	−15 37 5.4	....
34	α Herculis	9	10 43.16	+ 0.19	−7.43	24 21 51.45	45.315	− 1.91	+ 26.7	17 10 35.95	.....	+14 29 8.5	....
35	σ Ophiuchi	9	22 13.58	+ 0.21	−7.40	34 37 52.70	45.725	− 1.85	+ 40.7	17 22 6.38	.....	+ 4 12 43.8	....
36	158 H¹. Cephei s. p.	9	33 20.56	+ 3.26	−7.41	304 1 50.75	47.288	− 1.80	−1 26.7	5 33 16.41	.....	+85 9 42.2	....
37	β Ophiuchi	9	39 12.27	+ 0.21	−7.53	34 13 53.08	47.820	− 1.76	+ 40.2	17 39 5.07	.....	+ 4 35 55.8	....
38	μ Herculis	7	43 6.18	+ 0.14	−7.39	11 5 53.12	43.790	− 1.74	+ 11.6	17 42 58.90	.....	+27 45 56.4	....
39	89 Herculis	9	51 57.33	+ 0.15	−7.33	12 47 46.18	45.330	− 1.70	+ 13.5	17 51 50.06	.....	+26 3 26.4	....
40	ν Ophiuchi	9	54 15.14	+ 0.24	−7.46	48 35 49.12	46.710	− 1.69	+1 6.9	17 54 7.96	.....	− 9 46 1.4	....
41	η Serpentis	9	16 49.79	+ 0.23	[−7.59]	41 45 48.30	46.220	− 1.57	+ 52.8	18 16 42.59	.....	− 2 55 35.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 17 23	29.416	34.9	33.0
17 45	......	....	33.1
18 4	......	....	32.7
18 18	......	....	32.3
18 52	29.388	34.1	33.1
29 0 30	29.170	51.2	51.9
8 10	28.996	43.3	41.9
8 29	......	....	41.3
8 47	......	....	41.0
8 58	......	....	40.9
9 28	29.032*	41.3	40.0
30 0 34	29.069	51.8	52.0
1 11	29.070	52.8	52.9
5 36	29.130	49.3	47.4
5 50	......	....	46.1
6 18	29.150	46.8	....
6 59	29.160	45.3	44.2
7 13	......	....	44.0
8 40	29.188	42.8	42.0
8 54	......	....	41.8
9 27	29.200	41.9	41.3
17 3	29.344	34.5	34.0
17 51	......	....	33.1
18 0	29.366	35.0	33.0
18 19	......	....	32.8

Micrometer bisections are made at II, VI, except as noted below.

3. Bisections at VI, VII.
4. Bisections at II, VI, VII.
6, 25. Bisections at b_4, b_5, b_6.
7, 8, 21, 22, 26. Bisections at I, II, VI, VII.
9, 19. Bisections at I, II, III.
10, 20. Bisections at V, VI, VII.
36. Bisections at III, IV, V.
37. Bisection at II.
38. Bisections at I, II, VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 5.1	−15 59.5	...	−15 54.4
10	+ 5.2	+15 59.6	...	+16 4.8
19	+ 5.1	+16 1.3	...	+16 6.4
20	+ 5.0	−16 1.3	...	−15 56.3
21	+ 3.6	.. ....	+ 0.1	+ 3.7

Notes.

3–5, 22, 37–40. Clouds.
8. Very faint; clouds.
* Barometer reading changed from 30.032 in. to 29.032 in.

No.	Date, Observer, and. Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	3 H. Scuti	9	30 29.31	+ 0.24	[−7.58]	47 7 52.52	48.310	− 1.50	+1 3.7	18 30 22.11	.....	− 8 18 38.4	....
2	θ Serpentis	9	51 54.97	+ 0.21	[−7.49]	34 45 49.58	45.275	− 1.39	+ 41.0	18 51 47.73	.....	+ 4 4 56.5	....
3	51 H. Cephei s. p.	8	59 15.82	+ 5.38	−7.45	306 3 51.30	47.390	− 1.35	−1 20.6	6 59 13.75	.....	+87 11 51.9	....
4	δ Draconis	9	12 39.42	− 0.27	−7.46	331 21 52.25	46.002	− 1.28	− 32.1	19 12 31.69	.....	+67 29 49.6	....
	March 31, P.												
5	Sun S	.	.. ..	....	....	35 11 54.68	45.922	− 1.40	+ 41.0	0 36	.....	+ 3 38 36.7	....
6	Sun N	.	.. ..	....	....	34 39 56.02	45.687	− 1.40	+ 40.2	.. ..	.....	+ 4 10 41.3	....
7	γ Orionis	9	20 28.67	+ 0.22	[−7.86]	32 33 44.42	47.640	− 1.94	+ 37.1	5 20 20.96	.....	+ 6 16 12.0	....
8	δ Orionis	9	27 34.87	+ 0.23	[−7.88]	39 11 46.00	47.415	− 1.97	+ 47.3	5 27 27.17	.....	− 0 21 54.6	....
9	ζ Orionis	9	36 23.46	+ 0.23	[−7.91]	40 49 46.45	45.829	− 2.00	+ 50.1	5 36 15.75	.....	− 1 59 21.5	....
10	κ Orionis	9	43 39.50	+ 0.24	[−7.88]	48 31 45.88	47.138	− 2.02	+1 5.6	5 43 31.80	.....	− 9 42 6.3	....
11	α Orionis	9	50 28.67	+ 0.22	[−7.89]	31 27 44.18	44.328	− 2.04	+ 35.6	5 50 20.94	.....	+ 7 23 29.5	....
12	δ Ursæ Minoris s. p.	6	1 5.77	+ 3.97	−7.95	305 29 45.15	43.883	− 2.08	−1 21.0	18 1 1.79	.....	+86 36 24.5	....
13	8 Monocerotis	9	19 10.74	+ 0.22	[−7.88]	34 11 46.38	47.125	− 2.14	+ 39.6	6 19 3.00	.....	+ 4 38 19.5	....
14	51 H. Cephei	9	59 25.50	− 4.02	−7.98	311 39 45.82	47.663	− 2.27	−1 5.2	6 59 13.50	.....	+87 11 52.7	....
15	δ Draconis s. p.	9	12 38.52	+ 0.90	−7.99	286 23 45.25	47.330	− 2.31	−3 14.7	19 12 31.43	.....	+67 29 49.5	....
16	δ Geminorum	9	14 56.67	+ 0.18	−7.96	16 41 45.10	46.580	− 2.32	+ 17.6	7 14 48.86	.....	+22 8 55.4	....
17	ι Geminorum	9	20 20.26	+ 0.16	−7.97	10 51 44.92	47.502	− 2.34	+ 11.3	7 20 12.42	.....	+27 58 40.8	....
18	β Canis Minoris	9	22 27.61	+ 0.21	−7.99	30 21 45.32	47.792	− 2.35	+ 34.3	7 22 19.82	.....	+ 8 28 10.9	....
19	κ Geminorum	9	39 12.86	+ 0.18	−7.92	14 13 45.00	46.875	− 2.40	+ 14.9	7 39 5.03	.....	+24 36 51.3	....
20	β Geminorum	9	40 0.74	+ 0.16	−8.04	10 35 44.45	47.635	− 2.40	+ 11.0	7 39 52.89	.....	+28 14 38.7	....
	March 31, L.												
21	σ Ophiuchi	9	22 14.49	+ 0.30	−8.37	34 37 48.72	45.878	− 2.27	+ 41.5	17 22 6.40	.....	+ 4 12 43.9	....
22	α Ophiuchi	9	30 56.82	+ 0.28	−8.44	26 13 48.38	45.375	− 2.27	+ 29.7	17 30 48.71	.....	+12 37 7.5	....
23	β Ophiuchi	9	39 13.07	+ 0.30	−8.39	34 13 48.50	48.000	− 2.27	+ 41.0	17 39 4.97	.....	+ 4 35 56.3	....
24	μ Herculis	9	43 7.18	+ 0.22	−8.44	11 5 48.48	44.000	− 2.27	+ 11.8	17 42 59.00	.....	+27 45 56.7	....
25	ν Ophiuchi	9	54 16.09	+ 0.33	−8.47	48 35 49.35	46.640	− 2.27	+1 8.2	17 54 8.01	.....	− 9 46 0.8	....
26	δ Ursæ Minoris	9	1 14.11	− 3.73	−8.41	312 15 46.30	46.292	− 2.27	−1 5.9	18 1 1.97	.....	+86 36 24.2	....
27	η Serpentis	9	16 50.64	+ 0.31	[−8.49]	41 45 48.32	46.212	− 2.27	+ 53.7	18 16 42.53	.....	− 2 55 35.5	....
28	3 H. Scuti	9	30 30.21	+ 0.32	[−8.53]	47 7 50.15	48.390	− 2.27	+1 4.9	18 30 22.10	.....	− 8 18 38.3	....
29	51 H. Cephei s. p.	7	59 15.66	+ 5.45	−8.44	306 3 47.12	47.720	− 2.27	−1 22.1	6 59 12.67	.....	+87 11 52.9	....
30	δ Draconis	9	12 40.14	− 0.19	−8.45	331 21 45.32	46.422	− 2.27	− 32.6	19 12 31.50	.....	+67 29 48.8	....
	April 1, L.												
31	Sun I, S	9	38 59.07	+ 0.31	−8.63	34 47 50.32	48.162	− 1.41	+ 40.6	0 38 50.75	+64.49	+ 4 1 50.3	....
32	Sun II, N	9	41 8.05	+ 0.31	−8.63	34 15 48.25	48.097	− 1.41	+ 39.8	0 40 59.73	−64.49	+ 4 33 54.4	....
33	51 H. Cephei	9	59 25.67	− 3.54	−8.84	311 39 48.75	47.592	− 2.16	−1 5.7	6 59 13.29	.....	+87 11 51.8	....
34	δ Draconis s. p.	9	12 39.50	+ 0.87	−8.85	286 23 49.08	47.308	− 2.16	−3 16.4	19 12 31.52	.....	+67 29 51.1	....
35	δ Cancri	9	39 47.24	+ 0.25	−8.91	20 21 51.62	45.995	− 2.16	+ 22.2	8 39 38.60	.....	+18 28 57.5	....
36	ε Hydræ	9	42 13.23	+ 0.28	−8.92	32 5 50.95	45.908	− 2.16	+ 37.4	8 42 4.61	.....	+ 6 44 45.0	....
37	ζ Hydræ	9	50 50.80	+ 0.28	−8.86	32 33 50.90	44.998	− 2.16	+ 38.0	8 50 42.18	.....	+ 6 17 5.3	....
38	α Cancri	9	53 46.73	+ 0.27	−8.89	26 37 51.22	47.748	− 2.16	+ 29.9	8 53 38.10	.....	+12 12 10.2	....
39	α Hydræ	9	23 22.33	+ 0.30	−8.95	47 5 52.58	47.792	− 2.16	+1 4.2	9 23 13.71	.....	− 8 16 26.5	....
40	ξ Leonis	9	27 18.63	+ 0.27	−8.90	27 7 52.18	49.045	− 2.16	+ 30.6	9 27 9.98	.....	+11 41 38.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 18 34	......	....	32.2
19 2	......	....	33.2
19 15	29.400	35.0	33.8
31 0 37	29.486	43.6	42.8
5 18	29.526	45.3	44.0
5 40	......	....	44.0
5 53	......	....	43.3
6 21	29.538	44.0	43.0
6 55	29.550	42.9	42.0
7 17	......	....	41.0
7 30	......	....	40.8
7 42	29.572	41.2	40.4
17 21	29.642	30.0	29.0
17 44	......	....	28.9
18 4	29.648	29.9	28.9
18 18	......	....	28.8
18 31	......	....	28.7
19 2	......	....	29.0
19 14	29.670	31.4	29.9
1 0 41	29.700	45.0	44.0
6 55	29.712	42.2	41.0
7 14	......	....	39.4
8 37	29.732	37.8	35.1
8 54	......	....	34.7
9 28	29.738	35.9	34.0

Micrometer bisections are made at II, VI, except as noted below.

3, 12, 14, 26, 29, 33.	Bisections at b_4, b_5, b_6.
4, 7–10, 13.	Bisections at I, II, VI, VII.
5, 31.	Bisections at I, II, III.
6, 32.	Bisections at V, VI, VII.
15.	Bisections at III, IV, V.
19.	Bisections at I, II.
20.	Bisections at VI, VII.
23.	Bisection at VI.
30, 34.	Bisections at II, III, V, VI.

Note.

3, 12. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 5.1	+16 2.2	...	+16 7.3
6	+ 5.0	−16 2.3	...	−15 57.3
31	+ 5.0	+16 2.0	...	+16 7.0
32	+ 4.9	−16 2.0	...	−15 57.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 6, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	9	57 16.36	+ 0.09	−12.28	32 21 55.32	45.842	− 2.99	+ 35.0	0 57 4.17	+64.59	+ 6 28 45.5	....
2	Sun II, S	9	59 25.53	+ 0.09	−12.28	32 53 58.85	45.542	− 2.99	+ 35.7	0 59 13.34	−64.58	+ 5 56 47.9	....
3	Mercury I, C	9	58 38.86	+ 0.04	−12.31	25 3 52.80	45.210	− 2.66	+ 25.7	1 58 26.59	+ 0.21	+13 47 11.2	....
4	γ Orionis	9	20 33.36	− 0.06	**[−12.36]**	32 33 52.28	47.452	− 2.98	+ 34.8	5 20 20.91	.....	+ 6 16 11.8	....
5	δ Orionis	9	27 39.49	− 0.05	**[−12.31]**	39 11 52.10	47.352	− 2.98	+ 44.4	5 27 27.04	.....	− 0 21 55.3	....
6	ζ Orionis	9	36 28.06	− 0.05	**[−12.32]**	40 49 51.85	45.845	− 2.98	+ 47.0	5 36 15.61	.....	− 1 59 23.3	....
7	κ Orionis	9	43 44.13	− 0.04	**[−12.33]**	48 31 51.98	47.158	− 2.98	+1 1.6	5 43 31.69	.....	− 9 42 7.9	....
8	α Orionis	9	50 33.30	− 0.06	**[−12.33]**	31 27 51.85	44.212	− 2.98	+ 33.3	5 50 20.83	.....	+ 7 23 27.8	....
9	8 Monocerotis	9	19 15.38	− 0.06	**[−12.34]**	34 11 51.62	47.138	− 2.98	+ 37.0	6 19 2.90	.....	+ 4 38 17.5	....
	April 6, P.												
10	α Ophiuchi	9	31 1.64	− 0.02	**−12.79**	26 13 44.68	45.665	− 2.80	+ 27.4	17 30 48.82	.....	+12 37 7.3	....
11	β Ophiuchi	9	39 17.93	0.00	**−12.78**	34 13 44.35	48.350	− 2.80	+ 37.8	17 39 5.13	.....	+ 4 35 56.0	....
12	μ Herculis	9	43 12.01	− 0.07	**−12.80**	11 5 44.82	44.238	− 2.80	+ 10.9	17 42 59.13	.....	+27 45 56.3	....
13	89 Herculis	9	52 3.17	− 0.06	**−12.75**	12 47 44.60	45.455	− 2.80	+ 12.7	17 51 50.30	.....	+26 3 26.8	....
14	72 Ophiuchi	9	3 21.21	− 0.01	**−12.92**	29 17 46.60	46.439	− 2.80	+ 31.2	18 3 8.38	.....	+ 9 32 44.0	....
15	η Serpentis	9	16 55.56	+ 0.01	**[−12.93]**	41 45 45.70	46.559	− 2.80	+ 49.7	18 16 42.75	.....	− 2 55 36.3	....
	April 9, L.												
16	α Leonis	9	3 53.54	+ 0.26	**−14.68**	26 25 50.52	47.945	− 2.16	+ 29.5	10 3 39.11	.....	+12 24 6.7	....
17	ζ Leonis	9	12 0.39	+ 0.23	**−14.77**	14 59 49.28	44.400	− 2.16	+ 16.0	10 11 45.93	.....	+23 51 42.5	....
18	γ Leonis (*pr.*)	9	15 19.79	+ 0.24	**−14.73**	18 33 49.52	44.685	− 2.16	+ 20.0	10 15 5.33	.....	+20 17 31.7	....
19	34 Sextantis	9	38 17.29	+ 0.28	**−14.68**	34 47 50.75	45.610	− 2.16	+ 41.3	10 38 2.86	.....	+ 4 2 48.1	....
20	Moon I, N	9	44 35.82	+ 0.27	−14.71	26 5 49.90	45.943	− 2.16	+ 29.2	10 44 21.38	+66.02	+12 44 53.4	....
21	d Leonis	9	56 13.48	+ 0.28	**−14.69**	34 43 51.60	48.640	− 2.16	+ 41.3	10 55 59.04	.....	+ 4 5 38.0	....
22	δ Leonis	9	9 38.58	+ 0.24	**−14.72**	17 49 49.35	47.030	− 2.16	+ 19.2	11 9 24.10	.....	+21 0 39.1	....
	April 9, M.												
23	ε Ursæ Minoris	9	55 25.99	− 1.47	−14.77	316 41 50.78	44.833	− 1.71	− 56.6	16 55 9.75	.....	+82 10 43.3	....
24	ζ Draconis	9	8 48.59	− 0.16	−14.78	333 1 50.60	48.162	− 1.64	− 30.6	17 8 33.65	.....	+65 49 1.3	....
25	σ Ophiuchi	9	22 21.09	+ 0.30	**−14.72**	34 37 51.05	45.748	− 1.57	+ 41.8	17 22 6.60	.....	+ 4 12 43.6	....
26	158 H¹. Cephei s. p.	9	33 24.06	+ 3.42	−14.79	304 1 51.98	47.223	− 1.52	−1 29.0	5 33 12.69	.....	+85 9 40.3	....
27	β Ophiuchi	9	39 19.72	+ 0.31	**−14.80**	34 13 50.10	47.848	− 1.49	+ 41.2	17 39 5.23	.....	+ 4 35 57.1	....
28	μ Herculis	9	43 13.77	+ 0.25	**−14.79**	11 5 49.65	43.932	− 1.47	+ 11.9	17 42 59.22	.....	+27 45 56.2	....
29	89 Herculis	9	52 4.92	+ 0.26	**−14.73**	12 47 48.35	45.215	− 1.42	+ 13.8	17 51 50.38	.....	+26 3 26.2	....
30	ν Ophiuchi	9	54 22.69	+ 0.35	**−14.82**	48 35 50.82	46.565	− 1.41	+1 8.8	17 54 8.24	.....	− 9 46 2.0	....
31	δ Ursæ Minoris	9	1 24.06	− 3.66	−14.80	312 15 49.18	46.063	− 1.38	−1 6.4	18 1 5.60	.....	+86 36 26.2	....
32	η Serpentis	9	16 57.27	+ 0.35	**−14.89**	41 45 50.58	46.070	− 1.30	+ 54.2	18 16 42.81	.....	− 2 55 36.0	....
33	3 H. Scuti	9	30 36.77	+ 0.37	**[−14.86]**	47 7 49.60	48.369	− 1.23	+1 5.4	18 30 22.32	.....	− 8 18 38.8	....
34	θ Serpentis	9	52 2.56	+ 0.36	**[−14.93]**	34 45 49.05	45.212	− 1.13	+ 42.2	18 51 48.09	.....	+ 4 4 57.0	....
35	51 H. Cephei s. p.	9	59 18.17	+ 5.18	−14.83	306 3 48.25	47.570	− 0.88	−1 22.9	6 59 8.52	.....	+87 11 51.2	....
36	δ Draconis	9	12 47.12	− 0.08	−14.84	331 21 50.12	46.042	− 0.88	− 33.0	19 12 32.20	.....	+67 29 51.3	....
37	ε Draconis	9	48 42.88	− 0.13	−14.85	328 49 51.15	45.667	− 0.88	− 36.4	19 48 27.90	.....	+70 2 2.8	....
38	κ Cephei	9	12 7.54	− 0.50	−14.87	321 25 50.42	45.808	− 0.88	− 47.8	20 11 52.17	.....	+77 26 11.6	....
	April 10, M.												
39	Sun I, S	9	11 56.56	+ 0.30	−15.01	31 23 52.85	45.750	− 1.77	+ 35.9	1 11 41.85	+64.79	+ 7 26 47.9	....
40	Sun II, N	9	14 6.14	+ 0.30	−15.01	30 51 52.58	45.952	− 1.77	+ 35.2	1 13 51.43	−64.79	+ 7 58 44.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 0 59	29.642	69.0	70.2
1 59	29.626	70.8	73.3
3 21	29.550	75.6	76.5
5 36	......	....	75.8
5 51	......	....	75.9
6 19	29.540	74.9	75.2
17 29	29.574	67.2	67.0
17 48	......	....	66.0
18 8	......	....	65.0
18 19	29.590	65.5	65.0
9 10 4	30.148	43.7	43.1
10 18	......	....	42.9
10 39	......	....	42.1
10 57	......	....	41.9
11 10	30.154	42.0	42.0
16 55	30.210	36.3	35.3
17 22	......	....	35.1
17 52	30.220	35.1	33.8
18 17	......	....	33.3
18 52	......	....	33.4
19 13	30.254	35.3	33.8
19 49	......	....	35.7
20 12	30.280	38.7	38.1
10 1 12	30.310	50.6	50.1

Micrometer bisections are made at II, VI, except as noted below.

1, 39.	Bisections at I, II, III.
2, 40.	Bisections at V, VI, VII.
3, 14, 15, 33, 34, 36.	Bisections at I, II, VI, VII.
10, 13.	Bisections at I, II.
12.	Bisections at I, II, VI.
20.	Bisections at II, III, IV, V, VI.
23, 26, 31, 35.	Bisections at b$_4$, b$_5$, b$_6$.
24, 37, 38.	Bisections at III, IV, V.
28.	Bisections at II, VI, VII.

Notes.

10–15. Clouds.
32–38. Conditions very poor.
34, 35. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 4.7	−15 58.8	...	−15 54.1
2	+ 4.7	+15 58.8	...	+16 3.5
3	+ 3.4	.. ....	+ 0.4	+ 3.8
20	+24 54.7	−15 32.5	...	+ 9 22.2
39	+ 4.5	+15 58.1	...	+16 2.6
40	+ 4.5	−15 58.1	...	−15 53.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury I, C.	8	21 33.45	+ 0.24	−15.04	22 23 52.38	44.860	− 1.89	+ 24.2	2 21 18.65	+ 0.23	+16 27 20.4	....
2	δ Draconis s. p.	9	12 46.13	+ 1.06	−15.18	286 23 53.85	46.930	− 2.08	−3 14.4	19 12 32.01	.....	+67 29 48.9	....
3	ε Draconis s. p.	9	48 41.81	+ 1.13	−15.19	288 55 46.70	46.404	− 2.16	−2 48.5	19 48 27.75	.....	+70 1 55.5	....
4	κ Cephei s. p.	9	12 5.34	+ 1.57	−15.20	296 19 53.18	44.583	− 2.20	−1 57.8	20 11 51.71	.....	+77 26 11.6	....
5	34 Sextantis	9	38 17.93	+ 0.21	**−15.25**	34 47 53.10	45.555	− 2.20	+ 41.3	10 38 2.87	.....	+ 4 2 47.0	....
6	d Leonis	9	56 14.18	+ 0.21	**−15.32**	34 43 52.95	48.635	− 2.20	+ 41.2	10 55 59.11	.....	+ 4 5 36.9	....
7	χ Leonis	9	0 41.93	+ 0.21	**−15.29**	31 1 52.10	45.435	− 2.20	+ 35.8	11 0 26.86	.....	+ 7 48 56.3	....
8	θ Leonis	9	9 50.71	+ 0.19	**−15.27**	22 55 51.50	46.055	− 2.20	+ 25.2	11 9 35.62	.....	+15 54 53.3	....
9	σ Leonis	9	16 49.22	+ 0.21	**−15.28**	32 19 50.60	45.445	− 2.20	+ 37.7	11 16 34.15	.....	+ 6 30 55.7	....
10	τ Leonis	9	23 37.98	+ 0.21	**−15.30**	35 29 51.50	45.898	− 2.20	+ 42.5	11 23 22.90	.....	+ 3 20 39.6	....
11	Moon I, N.	9	33 46.30	+ 0.21	−15.29	32 1 50.65	47.089	− 2.20	+ 37.3	11 33 31.22	+64.15	+ 6 48 18.4	....
	April 10, P.												
12	σ Ophiuchi	9	22 21.90	+ 0.26	**−15.46**	34 37 48.98	45.885	− 2.76	+ 41.6	17 22 6.66	.....	+ 4 12 43.9	....
13	α Ophiuchi	9	31 4.17	+ 0.24	**−15.47**	26 13 48.88	45.372	− 2.76	+ 29.7	17 30 48.91	.....	+12 37 7.6	....
14	β Ophiuchi	9	39 20.48	+ 0.26	**−15.48**	34 13 47.70	48.028	− 2.76	+ 41.0	17 39 5.23	.....	+ 4 35 56.8	....
15	ν Ophiuchi	9	54 23.47	+ 0.29	**−15.51**	48 35 49.50	46.645	− 2.76	+1 8.4	17 54 8.25	.....	− 9 46 0.8	....
16	δ Ursæ Minoris	9	1 24.44	− 3.88	−15.52	312 15 48.25	46.162	− 2.76	−1 6.1	18 1 5.04	.....	+86 36 26.0	....
17	η Serpentis	9	16 58.07	+ 0.28	**−15.59**	41 45 49.00	46.192	− 2.76	+ 54.1	18 16 42.83	.....	− 2 55 35.6	....
18	3 H. Scuti	9	30 37.51	+ 0.29	**[−15.49]**	47 7 51.45	48.335	− 2.76	+1 5.3	18 30 22.27	.....	− 8 18 38.2	....
19	θ Serpentis	9	52 3.33	+ 0.27	**[−15.58]**	34 45 49.05	45.292	− 2.76	+ 42.1	18 51 48.06	.....	+ 4 4 56.9	....
20	51 H. Cephei s. p.	9	59 18.22	+ 5.60	−15.54	306 3 42.95	47.912	− 2.76	−1 22.7	6 59 8.28	.....	+87 11 52.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 2 22	30.304	52.3	51.8
7 13	30.242	53.3	53.2
7 49	......	....	50.4
8 12	30.250	50.6	49.2
10 38	30.280	46.8	44.9
10 56	......	....	44.4
11 10	......	....	43.9
11 34	30.280	45.5	43.5
17 20	30.244	39.0	38.2
17 42	......	....	38.1
17 58	......	....	36.9
18 19	30.260	37.0	35.0
18 50	......	....	35.0
19 3	30.268	36.3	35.0

Micrometer bisections are made at II, VI, except as noted below.

1–3. Bisections at I, II, VI, VII.
4. Bisections at III, IV, V.
11. Bisections at II, III, IV, V, VI.
16, 20. Bisections at b_4, b_5, b_6.

Note.

15. Micrometer reading increased 1 rev.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 3.4	.. ....	+ 0.6	+ 4.0
11	+29 48.1	−15 24.2	...	+14 23.9

PART IV.

OBSERVATIONS

MADE WITH THE

NINE-INCH TRANSIT CIRCLE,

1912-1913,

UNDER THE DIRECTION OF

F. B. LITTELL.

REDUCED UNDER THE DIRECTION OF

H. R. MORGAN.

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INTRODUCTION.

From January 31, 1912, to April 18, 1913, the 9-inch transit circle was used for the observations of the Sun, Moon, and planets, the necessary clock and azimuth stars with which to reduce them, and a few miscellaneous stars.

The observations were made under the direction of Prof. F. B. Littell, United States Navy, and reduced under the direction of Assistant Astronomer Herbert R. Morgan. Practically all the work of reducing the observations, preparing the printer's copy, and proof reading has been done by Miss Eleanor A. Lamson and computers directed by her.

The observers are designated as follows:

M.=H. R. Morgan.
Ep.=J. B. Eppes.
P.=J. Pawling.

In Volume IX, Part I, Publications of the United States Naval Observatory, Second Series, will be found a description of the instrument and accessories.

Four new microscope micrometers were purchased in September, 1911, and measures on the comparator give the following coefficients for the periodic errors of the screws of these micrometers:

Box.	Cos u.	Sin u.	Cos $2u$.	Sin $2u$.
	″	″	″	″
I..........	0.00	+0.02	−0.01	+0.01
II..........	−0.01	−0.02	0.00	0.00
III..........	0.00	−0.01	0.00	0.00
IV..........	+0.05	+0.02	−0.01	−0.01

On February 27, 1912, a cellular screen for equalizing star magnitudes, consisting of two sets of parallel, thin, brass slats intermeshing with each other at right angles and supported in an aluminum ring, was attached to the telescope between the object glass and the wire gauze screens. A counterpoise weight of 4.2 pounds was put at the opposite end of the telescope tube. This screen is tilted by means of a rod with a graduated head at the eye end of the telescope. The scale readings are recorded and may be used for determining differences in magnitudes. The brighter stars are first reduced in magnitude by means of the original wire gauze screens, and the faint spectral images due to the new screen, which are 20″ or more from the star image, are scarcely noticeable.

By means of the equalizing screens all the stars are reduced to approximately the same magnitude, that of about 8.5.

A new ocular giving a magnifying power of 200 diameters was provided for the telescope micrometer. It was furnished with a reversing prism for use in eliminating the effect of bisection errors in zenith distance and of errors due to the direction of the object's motion in right ascension. The prism was reversed at the middle of each observation and in the middle of each set of readings for determining the instrumental constants. In the few cases where the number of transits, or bisections, was different for the two positions of the prism, the necessary corrections were applied to reduce to the mean of the two positions. A new ocular was provided for the north collimator, which was also furnished with a reversing prism for eliminating the effect of bisection errors in setting the threads of the north collimator upon those of the south collimator when measuring the collimation error and when measuring the horizontal flexure of the transit circle.

The observations being more or less a continuation of those given in the preceding parts of this volume, the methods of observation and reduction are similar to those described in Part I. The deviations from these and the reduction elements peculiar to this work are given here. The results have been derived so as to be directly comparable with those in Part I.

The observations for clock corrections were taken between sunset and sunrise, and the azimuth stars were observed near each end of the night. In general a set of constants was taken before and after each group of stars and, in addition, near each isolated object.

The Right Ascensions.—Regular transits were taken over eight of the threads b_1–b_9, b_5 being omitted in order to give time to reverse the prism. The equatorial thread intervals are given in Table I. Close circumpolars were observed partly over the fixed threads and partly over the movable right ascension thread set at different positions. The readings of the micrometer head for coincidence of this thread with b_5 are given in Table II, and one revolution of the screw is equivalent to $1^s.5246$. The corrections for personal equation due to direction of motion for chronograph stars south of the zenith, taken motion direct, are:

$$\text{M.}=0^s.000,\ \text{Ep.}=0^s.000,\ \text{P.}=+0^s.025$$

The adopted positions of the north and south meridian marks, given in Table III, depend in each case upon an equal number of observations of the same star each side of the pole by a given observer and are therefore independent of the star places and of personal equations.

The azimuth of the instrument was derived from readings on the marks, the level from nadir readings, and the collimation from readings on the collimators and marks. The observed values of these constants, together with the adopted values of c, n, and m, are given in Table IV.

There is no appreciable correction for irregularity of pivots.

In deriving the clock corrections, given in Table VIII, the corrections to the American Ephemeris given in Table V were used. These corrections are those adopted in the final reductions of the 1903–1911 work.

The adopted clock correction for a given night is the mean of all the observed corrections on that night after each has been reduced to the standard observer M. by the following relative personal equation corrections, which have been derived from the observations themselves,

$$\text{M.}=\text{P.}+0^s.066=\text{Ep.}+0^s.177$$

The methods of deducing and applying the clock corrections and clock rates, Tables VI, VII, and VIII, are the same as those described in Part I.

The Declinations.—The four microscopes were kept at nearly constant readings, and the error of runs was made negligible. The corrections for division errors have been applied, using the table of corrections for circle B, given in Part I. The argument for entering this table is 24° 58′ minus the nearest even minute of the circle reading, and the correction to the circle reading is $+0''.28$ minus the tabular quantity.

The zenith point corrections, adopted from nadir observations, are given in Table IX. For the bisections the corrections for personal equation for south stars, taken image direct, are:

$$\text{M.}=+0''.23,\ \text{Ep.}=0''.00,\ \text{P.}=-0''.30$$

The correction for inclination of the zenith distance threads is 0″.00, and the corrections for thread intervals are given by the relation:

$$A+1'\ 42''.97=B=C-1'\ 35''.00$$

where—

A designates a pair of threads 40″ apart used in bisecting Jupiter,

C designates a pair of threads 20″ apart used in bisecting Saturn,

and B designates a pair of threads 9″ apart, used for all other bisections, and to which the revolutions and zenith point corrections refer.

The value of one revolution of the zenith distance micrometer screw is 22″.852 and the assumed equivalent for $46^{\text{rev}}.000$ is 4′ 0″.00 additive to the circle reading. The correction applied for flexure—

$$\varDelta\delta=+0''.38\sin \text{Z. D. N.}+0''.79\ (\cos \text{Z. D. N.}+1)$$

was deduced from measures on the horizontal and vertical collimators taken during the years 1913–1915. As it was uncertain that this correction would apply before the adjustment of the new screen, February 27, 1912, the few declinations of stars observed before this date have been rejected.

The corrections for variation of latitude found in Table X, and which are given by the International Geodetic Association, have been applied to the zero latitude +38° 55′ 14″.36.

To the refraction printed in the journal, which was computed by using the Pulkowa refraction tables as given in Publications of the United States Naval Observatory, Second Series, Volume IV, Appendix II, has been applied the correction, $-0''.134\tan z$. (see Part I).

The Journal of Observations, pp. D 1–D 81, has the same form as that in Part III, as explained on pp. C VI–C VII; but in the present case the "Apparent Declination" includes also the corrections for division error, flexure and variation of latitude and the correction to the tabular refraction. In the Results of Observations of Sun, Moon, and Planets, pp. D 85–D 94, the columns "Correction to

Manuscript Tables," for the Moon, give the corrections to new tables computed for the Nautical Almanac Office by Dr. F. E. Ross, based upon the latest results of Hill, Newcomb, and Brown.

From a series of measures of artificial images on the personal equation machine the following corrections to the observed right ascensions of the Sun, Moon, and planets, when reduced with clock corrections by the same observer, were derived:

Observer.	Sun or Moon.	Large Planet (Limbs observed).	Small Planet (Center observed).
	s	s	s
M..........	+0.131	+0.076	+0.028
Ep.........	+0.129	+0.098	+0.005
P...........	+0.020	−0.017	−0.078

These corrections have not been applied.

In forming the Individual Results of Observations of Stars, pp. D 95–D 112, the right ascensions of the circumpolars have received the following corrections for personal equation, which depend upon the differences in the observations themselves combined with the absolute equations given by the personal equation machine:

Observer.	Eye and Ear Obsn's.	Chronograph Obsn's.
	s s	s
M............	$-0.05+0.003 \sec\delta$	$-0.0031 (\sec\delta-1)$
Ep...........	$+0.14+0.016 \sec\delta$	$-0.0193 (\sec\delta-1)$
P.............	$+0.09+0.007 \sec\delta$	$-0.0008 (\sec\delta-1)$

The positions given immediately under the name of each star are those from Newcomb's catalogue for the mean equinox and equator, 1900.0 reduced for proper motion to the mean epoch of observation, and on the line with the date and observer are given the corrections to the apparent places of the American Ephemeris. The positions for the beginning of the year of observation are given for the three stars designated by the B. D. number. There is no correction for magnitude equation. With these two exceptions the printed forms in this section and in the catalogue are the same as explained in Part I.

In the catalogue, pp. D 113–D 116, the coordinates are reduced to the mean equinox and equator 1900.0, without proper motion. The epoch of the catalogue is therefore the mean date of the observations. The right ascensions are those of the individual results decreased by $0^s.052$, which is the mean difference in the positions of the clock stars found there and the positions of these stars given in the catalogue of Part I. In forming this difference the proper motions of the catalogue were used to allow for the difference in epoch of observation. The declinations are those of the Individual Results, and they agree closely with those in the catalogue of Part I. The precessions and secular variations are from Newcomb's catalogue, the proper motions from Boss's catalogue, and the magnitudes from Vol. L of the Annals of the Harvard College Observatory.

TABLE I.—*The Equatorial Thread Intervals from the Mean Thread.*

Vertical Thread.	Reduction to Mean of b.
	s
I=a_1	+23.9
a_2	21.5
a_3	20.0
a_4	18.5
II=a_5	16.9
III=b_1	8.964
b_2	6.488
b_3	4.504
b_4	3.021
IV=b_5	+ 0.028
b_6	− 2.984
b_7	4.502
b_8	6.502
V=b_9	9.017
VI=c_1	17.0
c_2	18.5
c_3	20.0
c_4	21.5
VII=c_5	−24.0

TABLE II.—*The Coincidence of the Movable Right Ascension Thread with b_5.*

Epoch.	Coincidence.
1912	rev.
January 31.4–April 4.6	10.001
April 4.7–June 7.3	10.000
June 7.7–July 1.0	10.003
July 1.0–August 3.6	10.000
August 3.7–October 4.0	10.001
October 4.2–November 17.4	10.003
November 18.3–November 22.5	10.004
November 22.7–December 3.6	10.007
December 8.7–December 28.7	10.009
December 30.7–February 12.0	10.001
1913	
February 12.2–March 28.7	10.002
March 28.9–April 18.4	10.000

TABLE III.—*The Adopted Azimuths of the North and South Meridian Marks.*

Epoch.	A_n*	A_s†	Number of Observations.
1912	s	s	
January 31.4–March 26.0	−0.477	−0.928	20
March 26.2–June 8.8	−0.511	−0.965	26
June 9.6–July 11.4	−0.531	−1.006	20
July 12.0–September 11.1	−0.519	−0.965	20
September 12.7–November 8.7	−0.525	−0.972	22
November 10.9–December 12.4	−0.500	−0.961	18
December 12.7–January 22.1	−0.501	−0.957	18
1913			
January 22.2–February 22.7	−0.518	−1.000	18
February 24.7–April 18.4	−0.485	−0.954	16

* Positive when mark is west of north.

† Positive when mark is east of south.

TABLE IV.—*The Constants c, b, a, n, and m.*

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Jan. 31	Ep.	6.1 – 6.8	−0.324	+0.280	+0.665	+0.692	6 30– 8 15	−0.310	−0.345	+0.659
31		7.9 – 8.7	−0.298	+0.310	+0.694	+0.680				
Feb. 2	P.	6.9 – 7.4	−0.328	+0.274	+0.661	+0.669	7 30– 9 25	−0.322	−0.348	+0.646
2		9.65–10.0	−0.303	+0.307	+0.716	+0.659				
4	P.	6.45– 6.9	−0.310	+0.361	+0.818	+0.754	6 39	−0.322	−0.402	+0.762
4		10.1 –10.6	−0.312	+0.367	+0.825	+0.806	10 19	−0.322	−0.402	+0.794
4		12.6 –13.1	−0.317	+0.363	+0.848	+0.812	10 40–13 25	−0.322	−0.416	+0.796
5	M.	0.9 – 1.8	−0.401	+0.329	+0.933	+0.919	1 20– 1 30	−0.405	−0.516	+0.835
5	P.	11.0 –11.4	−0.394	+0.340	+0.980	+0.926	11 12	−0.398	−0.530	+0.852
5		13.9 –14.2	−0.375	+0.401	+1.013	+0.959	14 3	−0.398	−0.530	+0.920
6		1.7 – 2.0	−0.385	+0.355	+0.991	+0.954	1 20– 1 30	−0.395	−0.539	+0.878
6		6.25– 6.6	−0.390	+0.336	+0.953	+0.913	6 55– 8 30	−0.396	−0.524	+0.844
6		7.9 – 8.8	−0.372	+0.350	+0.982	+0.906				
6	Ep.	11.8 –12.3	−0.392	+0.325	+0.947	+0.906	12 50–13 30	−0.409	−0.526	+0.824
6		13.9 –14.6	−0.403	+0.318	+0.951	+0.905				
7	M.	12.6 –13.0	−0.393	+0.287	+0.860	+0.849	13 5–14 15	−0.398	−0.489	+0.764
7		14.4 –14.7	−0.401	+0.290	+0.865	+0.870				
8		1.0 – 1.7	−0.393	+0.277	+0.838	+0.847	1 20– 1 30	−0.391	−0.480	+0.746
8		6.5 – 6.9	−0.386	+0.274	+0.826	+0.818	6 55– 8 0	−0.393	−0.472	+0.728
8		7.7 – 8.1	−0.408	+0.258	+0.809	+0.845				
8	P.	13.1 –13.8	−0.375	+0.319	+0.872	+0.793	13 25	−0.391	−0.461	+0.754
8		15.4 –15.8	−0.369	+0.347	+0.891	+0.829	15 29	−0.391	−0.461	+0.797
9		1.85– 2.6	−0.391	+0.285	+0.816	+0.831	1 20– 2 25	−0.387	−0.460	+0.742
27	P.	6.2 – 6.9	−0.320	+0.287	+0.585	+0.527	6 30– 8 45	−0.338	−0.264	+0.570
27		8.8 – 9.15	−0.338	+0.287	+0.579	+0.563				
			Stellar focus adjusted.							
28	Ep.	6.9 – 8.2	−0.273	+0.287	+0.603	+0.555	7 10– 9 5	−0.292	−0.286	+0.580
28		9.6 – 9.9	−0.293	+0.274	+0.603	+0.589				
28	M.	13.0 –13.9	−0.284	+0.276	+0.606	+0.608	13 20–13 30	−0.283	−0.298	+0.597

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Mar. 1	P.	6.8 – 7.1	–0.267	+0.344	+0.712	+0.656	6 57	–0.282	–0.325	+0.676
							7 0	–0.282	–0.326	+0.676
1		10.4 –10.75	–0.292	+0.308	+0.759	+0.660	10 30	–0.318	–0.374	+0.676
							10 35	–0.318	–0.375	+0.676
1	Ep.	13.0 –14.2	–0.273	+0.328	+0.754	+0.700	13 20–13 30	–0.287	–0.369	+0.701
2		0.9 – 1.8	–0.310	+0.361	+0.739	+0.747	1 25– 1 30	–0.308	–0.350	+0.749
2		6.1 – 6.5	–0.298	+0.354	+0.747	+0.713	6 55– 8 25	–0.308	–0.352	+0.722
2		8.6 – 8.8	.....	+0.343	+0.735	+0.715				
2		11.3 –11.5	–0.307	+0.358	+0.734	+0.721	10 10–11 15	–0.309	–0.348	+0.726
6	M.	22.6 –22.9	–0.298	+0.346	+0.681	+0.715	23 10–23 35	–0.294	–0.334	+0.710
7		0.7 – 0.9	–0.309	+0.321	+0.695	+0.731	1 25– 1 30	–0.299	–0.347	+0.706
7		5.7 – 6.1	–0.298	+0.299	+0.675	+0.676	6 15– 7 15	–0.300	–0.338	+0.650
7		7.1 – 7.5	–0.308	+0.279	+0.651	+0.679				
7	P.	12.75–13.1	–0.286	+0.308	+0.674	+0.672	13 20–13 55	–0.287	–0.331	+0.662
9	P.	13.9 –14.3	–0.290	+0.274	+0.655	+0.632	13 20–17 15	–0.296	–0.323	+0.628
9		17.4 –17.75	–0.284	+0.314	+0.667	+0.627				
10	M.	13.0 –13.8	–0.315	+0.293	+0.705	+0.712	13 20–15 45	–0.309	–0.366	+0.675
10		15.3 –15.8	.....	+0.284	+0.691	+0.729				
10		18.0 –18.2	–0.315	+0.286	+0.703	+0.702	17 50–17 55	–0.315	–0.366	+0.663
11		22.9 –23.2	–0.304	+0.307	+0.735	+0.733	23 25–23 30	–0.305	–0.379	+0.699
13	Ep.	6.9 – 7.3	–0.275	+0.267	+0.638	+0.633	7 40– 8 55	–0.284	–0.328	+0.602
13		9.2 – 9.4	–0.291	+0.261	+0.631	+0.631				
13	M.	16.2 –16.4	–0.285	+0.283	+0.636	+0.621	16 50–18 5	–0.282	–0.314	+0.618
13		17.8 –18.3	–0.286	+0.279	+0.618	+0.653				
16	Ep.	23.0 –23.45	–0.245	+0.217	+0.571	+0.542	23 40–23 50	–0.252	–0.301	+0.512
16		0.9 – 1.7	–0.267	+0.211	+0.577	+0.578	0 30– 1 30	–0.267	–0.317	+0.527
16		5.7 – 6.5	–0.262	+0.216	+0.568	+0.568	6 0– 8 15	–0.262	–0.312	+0.522
16		8.5 – 8.8	–0.260	+0.205	+0.577	+0.569				
17	M.	16.3 –16.7	–0.265	+0.221	+0.527	+0.585	16 25–18 5	–0.246	–0.282	+0.538
17		17.4 –17.8	–0.257	+0.232	+0.539	.....				
18		23.3 –23.6	–0.245	+0.173	+0.532	+0.605	23 50– 0 50	–0.226	–0.321	+0.506
18		0.5	.....	+0.146	.....	.....				
18		9.3 – 9.9	–0.206	+0.195	+0.457	+0.479	8 50– 9 50	–0.200	–0.238	+0.450
18	P.	16.3 –16 6	–0.189	+0.210	+0.424	+0.440	16 27	–0.187	–0.202	+0.446
18		18.25–18.6	–0.196	+0.200	+0.457	+0.484	18 24	–0.187	–0.236	+0.446
18		23.7	–0.218	.....	.....	.....	23 55– 0 55	–0.197	–0.242	+0.445
19		0.1 – 0.4	–0.196	+0.184	+0.450	+0.485				
19		5.5 – 5.7	–0.185	+0.178	+0.406	+0.449	6 0– 7 0	–0.177	–0.224	+0.408
19		7.4 – 7.65	–0.190	+0.155	+0.416	+0.448				
20	Ep.	0.1 – 0.55	–0.193	+0.155	+0.477	+0.486	23 55– 0 5	–0.191	–0.276	+0.425
22	P.	0.5 – 0.9	–0.235	+0.255	+0.491	+0.440	0 5– 1 10	–0.249	–0.212	+0.480
22		5.5 – 5.75	–0.233	+0.272	+0.492	+0.485	6 0– 7 25	–0.240	–0.218	+0.514
22		7.65– 7.95	–0.241	+0.260	+0.506	+0.492				
22	Ep.	15.5 –16.25	–0.260	+0.267	+0.531	+0.530	16 20–17 35	–0.260	–0.240	+0.548
22		17.8 –18.1	–0.262	+0.283	+0.531	+0.535				
23		23.95– 0.6	–0.283	+0.277	+0.554	+0.561	0 5– 0 15	–0.281	–0.259	+0.567
25	M.	23.7 –23.9	–0.282	+0.256	+0.514	+0.572	0 15– 1 25	–0.267	–0.252	+0.552
25		5.5 – 5.9	–0.278	+0.264	+0.502	+0.544	6 0– 7 45	–0.270	–0.234	+0.540
25		7.5 – 8.0	–0.282	+0.261	+0.502	+0.539				

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
Mar. 25	P.	16. 45–16. 8	−0. 249	+0. 294	+0. 592	+0. 532	16 50–18 5	−0. 266	−0. 260	+0. 572
25		18. 4– 18. 65	−0. 271	+0. 280	+0. 554	+0. 572				
25		0. 2	−0. 272	. . . . .	. . . . .	. . . . .	0 20– 1 30	−0. 280	−0. 241	+0. 545
26		0. 55– 0. 9	−0. 267	+0. 282	+0. 549	+0. 511				
26		5. 5 – 5. 8	−0. 239	+0. 266	+0. 430	+0. 455	6 0– 8 30	−0. 236	−0. 178	+0. 478
26		8. 7 – 9. 0	−0. 239	+0. 248	+0. 433	+0. 435				
26	Ep.	0. 2	−0. 232	. . . . .	. . . . .	. . . . .	0 20– 0 30	−0. 230	−0. 187	+0. 468
27		0. 65– 1. 1	−0. 226	+0. 248	+0. 442	+0. 438				
27	M.	16. 7 –17. 4	−0. 237	+0. 194	+0. 374	+0. 416	16 50–18 5	−0. 226	−0. 180	+0. 403
27		17. 8 –18. 1	. . . . .	+0. 186	+0. 374	+0. 412				
28	P.	0. 4	−0. 182	. . . . .	. . . . .	. . . . .	0 30– 0 35	−0. 180	−0. 159	+0. 351
29		0. 8 – 1. 7	−0. 203	+0. 162	+0. 322	+0. 366				
29		9. 2 – 9. 55	−0. 165	+0. 177	+0. 366	+0. 398	9 45–11 15	−0. 160	−0. 180	+0. 390
29		11. 3 –11. 65	−0. 161	+0. 199	+0. 396	+0. 379				
29	Ep.	16. 0 –16. 7	−0. 212	+0. 145	+0. 402	+0. 374	17 5–18 5	−0. 212	−0. 202	+0. 357
29		18. 3 –18. 7	−0. 200	+0. 168	+0. 381	+0. 367				
30		23. 8 – 0. 2	−0. 222	+0. 154	+0. 384	+0. 410	0 35– 1 45	−0. 215	−0. 208	+0. 374
30		5. 5 – 6. 7	−0. 199	+0. 219	+0. 394	+0. 337	6 0– 6 35	−0. 214	−0. 157	+0. 389
31	P.	10. 7 –11. 05	−0. 180	+0. 181	+0. 340	+0. 309	11 15–12 30	−0. 187	−0. 142	+0. 344
31		12. 65–12. 95	−0. 186	+0. 184	+0. 329	+0. 332				
31		0. 5	−0. 164	. . . . . .	. . . . . .	. . . . . .	0 40– 0 45	−0. 186	−0. 128	+0. 341
Apr. 1		0. 9 – 1. 3	−0. 184	+0. 197	+0. 336	+0. 291				
1		13. 45–13. 8	−0. 180	+0. 153	+0. 323	+0. 320	13 50–15 35	−0. 182	−0. 156	+0. 321
1		15. 75–16. 0	−0. 186	+0. 151	+0. 319	+0. 328				
2	Ep.	12. 4 –12. 8	−0. 210	+0. 116	+0. 271	+0. 308	12 41	−0. 210	−0. 144	+0. 280
2		14. 4 –14. 8	−0. 231	+0. 073	+0. 233	+0. 268	14 42	−0. 210	−0. 144	+0. 222
2		0. 3 – 1. 05	−0. 235	+0. 152	+0. 290	+0. 332	0 45– 0 55	−0. 224	−0. 140	+0. 322
3	Ep.	13. 5 –13. 9	−0. 212	+0. 190	+0. 413	+0. 362	13 30	−0. 226	−0. 194	+0. 381
							13 49	−0. 230	−0. 194	+0. 381
3		16. 2 –16. 6	−0. 238	+0. 212	+0. 439	+0. 390	16 12	−0. 251	−0. 194	+0. 412
							16 29	−0. 251	−0. 194	+0. 416
3		17. 9 –18. 8	−0. 228	+0. 226	+0. 465	+0. 381	18 0–18 20	−0. 250	−0. 200	+0. 420
3		0. 7 – 1. 3	−0. 246	+0. 210	+0. 388	+0. 451	0 50– 1 0	−0. 229	−0. 184	+0. 441
4		5. 6 – 6. 2	−0. 209	+0. 208	+0. 404	+0. 383	5 59	−0. 218	−0. 168	+0. 404
4		9. 2 – 9. 4	−0. 228	+0. 185	+0. 345	+0. 364	9 20	−0. 218	−0. 168	+0. 370
4	P.	14. 45–14. 85	−0. 227	+0. 194	+0. 340	+0. 363	15 0–18 5	−0. 223	−0. 153	+0. 384
4		18. 25–18. 55	−0. 228	+0. 203	+0. 363	+0. 375				
5		1. 2 – 1. 55	−0. 184	+0. 210	+0. 367	+0. 354	0 55– 1 0	−0. 187	−0. 150	+0. 387
5		7. 2 – 7. 6	−0. 159	+0. 174	+0. 261	+0. 283	8 10– 8 55	−0. 158	−0. 102	+0. 312
5		9. 1 – 9. 45	−0. 164	+0. 176	+0. 277	+0. 280				
5	Ep.	16. 4 –17. 0	−0. 174	+0. 185	+0. 279	+0. 286	16 30–18 25	−0. 168	−0. 105	+0. 334
5		18. 2 –18. 8	−0. 167	+0. 199	+0. 297	+0. 308				
5		0. 5 – 0. 75	−0. 187	+0. 136	+0. 257	+0. 361	1 0– 1 5	−0. 160	−0. 137	+0. 322
6		9. 2 – 9. 4	−0. 154	+0. 123	+0. 222	+0. 249	9 21	−0. 144	−0. 101	+0. 249
6		10. 6 –10. 9	−0. 138	+0. 158	+0. 259	+0. 251	10 48	−0. 144	−0. 101	+0. 281
6	P.	16. 5 –16. 8	−0. 151	+0. 142	+0. 277	+0. 258	16 39	−0. 150	−0. 111	+0. 275
6		18. 2 –18. 6	−0. 150	+0. 174	+0. 261	+0. 287	18 25	−0. 150	−0. 111	+0. 313
7	Ep.	0. 5 – 0. 8	−0. 214	+0. 158	+0. 287	+0. 312	1 5– 1 15	−0. 208	−0. 130	+0. 316
8		8. 4 – 8. 9	−0. 218	+0. 175	+0. 386	+0. 308	9 10–10 0	−0. 238	−0. 160	+0. 336
8		10. 2 –10. 4	−0. 223	+0. 181	+0. 349	+0. 299				
8	P.	16. 85–17. 25	−0. 228	+0. 199	+0. 376	+0. 350	17 30–19 25	−0. 230	−0. 160	+0. 387
8		19. 55–19. 8	−0. 215	+0. 218	+0. 392	+0. 355				
8		0. 8 – 1. 0	−0. 194	+0. 200	+0. 307	+0. 328	1 10– 1 15	−0. 189	−0. 118	+0. 359
9		6. 45– 6. 8	−0. 190	+0. 218	+0. 287	+0. 276	6 36	−0. 189	−0. 088	+0. 344
9		9. 2 – 9. 55	−0. 183	+0. 178	+0. 265	+0. 256	9 23	−0. 189	−0. 088	+0. 300
10	Ep.	5. 6 – 6. 3	−0. 172	+0. 175	+0. 280	+0. 293	6 0– 6 15	−0. 169	−0. 111	+0. 318

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
Apr. 10	P.	16. 9 -17. 3	−0. 206	+0. 142	+0. 207	+0. 218	17 6	−0. 206	−0. 074	+0. 246
10		20. 8 -21. 35	−0. 194	+0. 122	+0. 290	+0. 228	21 4	−0. 206	−0. 135	+0. 246
10		21. 6	−0. 216	.....	.....	.....	21 5-21 10	−0. 210	−0. 135	+0. 245
10		0. 9 - 1. 1	−0. 239	+0. 139	+0. 225	+0. 246	1 15- 1 25	−0. 234	−0. 094	+0. 260
11		6. 3 - 6. 65	−0. 186	+0. 134	+0. 213	+0. 252	7 0-11 20	−0. 171	−0. 088	+0. 248
11		11. 4 -11. 7	−0. 169	+0. 128	+0. 214	+0. 220				
11	Ep.	16. 4 -17. 05	−0. 167	+0. 142	+0. 203	+0. 202	17 10-18 20	−0. 172	−0. 071	+0. 238
11		18. 5 -18. 8	−0. 172	+0. 145	+0. 218	+0. 198				
11		21. 6 -22. 1	−0. 160	+0. 152	+0. 278	+0. 208	21 50-21 55	−0. 178	−0. 105	+0. 257
11		0. 5 - 0. 9	−0. 167	+0. 117	+0. 213	+0. 262	1 20- 1 25	−0. 154	−0. 103	+0. 250
14	P.	7. 95- 8. 25	−0. 206	+0. 149	+0. 260	+0. 275	8 20- 9 15	−0. 201	−0. 110	+0. 288
14		9. 45- 9. 7	−0. 209	+0. 149	+0. 248	+0. 282				
18	P.	17. 05-17. 4	−0. 199	+0. 117	+0. 292	+0. 286	17 13	−0. 194	−0. 140	+0. 270
18		19. 1 -19. 5	−0. 177	+0. 171	+0. 310	+0. 270	19 19	−0. 194	−0. 140	+0. 306
19	Ep.	16. 7 -17. 6	−0. 183	+0. 175	+0. 365	+0. 288	16 30-17 10	−0. 204	−0. 157	+0. 325
20		2. 2 - 2. 7	−0. 200	+0. 170	+0. 327	+0. 335	1 50- 1 55	−0. 198	−0. 150	+0. 342
20		9. 3 - 9. 8	−0. 196	+0. 152	+0. 345	+0. 286	9 0-10 25	−0. 212	−0. 160	+0. 304
22	P.	17. 1 -17. 4	−0. 191	+0. 106	+0. 303	+0. 323	17 30-18 45	−0. 186	−0. 174	+0. 283
22		1. 7 - 2. 4	−0. 194	+0. 109	+0. 297	+0. 326	2 0- 2 10	−0. 187	−0. 170	+0. 286
23		7. 5 - 7. 8	−0. 212	+0. 108	+0. 326	+0. 355	8 5-10 0	−0. 199	−0. 187	+0. 302
23		10. 1 -10. 4	−0. 195	+0. 117	+0. 326	+0. 332				
23	Ep.	17. 5 -17. 9	−0. 197	+0. 112	+0. 303	+0. 291	16 50-19 0	−0. 200	−0. 163	+0. 272
23		1. 55- 1. 8	−0. 193	+0. 097	+0. 295	+0. 344	2 5- 2 10	−0. 180	−0. 180	+0. 287
24	M.	17. 1 -17. 9	−0. 204	+0. 094	+0. 259	+0. 299	17 30-18 25	−0. 192	−0. 141	+0. 264
24		18. 2 -18. 5	.....	+0. 117	+0. 251	+0. 294				
24		1. 5 - 1. 8	−0. 197	+0. 101	+0. 277	+0. 316	2 10- 2 15	−0. 186	−0. 160	+0. 273
25		8. 7 - 9. 0	−0. 196	+0. 075	+0. 261	+0. 290	9 20-10 25	−0. 188	−0. 162	+0. 240
25		10. 5 -10. 6	.....	+0. 080	+0. 261	+0. 294				
27	Ep.	9. 7 -10. 0	−0. 170	+0. 082	+0. 297	+0. 279	9 54	−0. 172	−0. 176	+0. 241
27		12. 1 -12. 6	−0. 167	+0. 102	+0. 310	+0. 305	12 25	−0. 172	−0. 176	+0. 272
May 1	Ep.	1. 7 - 2. 4	−0. 210	+0. 145	+0. 310	+0. 354	2 30- 2 40	−0. 198	−0. 159	+0. 330
1		9. 2 - 9. 8	−0. 177	+0. 098	+0. 263	+0. 241	9 20-12 30	−0. 182	−0. 133	+0. 238
1		12. 7 -13. 0	−0. 178	+0. 115	+0. 261	+0. 246				
1	M.	14. 9 -15. 9	−0. 206	+0. 087	+0. 237	+0. 283	15 10-15 15	−0. 194	−0. 140	+0. 240
1		16. 5 -16. 7	.....	+0. 082	+0. 268	+0. 247	15 30-16 55	−0. 202	−0. 146	+0. 231
1		2. 1 - 2. 3	−0. 177	+0. 078	+0. 283	+0. 364	2 35- 2 40	−0. 156	−0. 189	+0. 281
2		9. 0 - 9. 5	−0. 181	+0. 002	+0. 339	+0. 361	9 12	−0. 167	−0. 267	+0. 234
2		10. 3 -11. 9	−0. 172	+0. 044	+0. 291	+0. 340	11 1	−0. 167	−0. 210	+0. 234
2	P.	15. 5 -15. 9	−0. 150	+0. 091	+0. 281	+0. 247	16 5-19 0	−0. 162	−0. 152	+0. 230
2		19. 3 -19. 6	−0. 167	+0. 084	+0. 258	+0. 263				
2		2. 05- 2. 5	−0. 162	+0. 080	+0. 262	+0. 264	2 40- 2 45	−0. 167	−0. 154	+0. 228
3		2. 8	−0. 174	.....	.....	.....				
3		3. 3	−0. 154	.....	.....	.....				
3		9. 0 - 9. 3	−0. 155	+0. 044	+0. 244	+0. 245	9 20-12 20	−0. 160	−0. 157	+0. 188
3		12. 5 -12. 75	−0. 156	+0. 062	+0. 253	+0. 222				
3	Ep.	15. 2 -15. 9	−0. 160	+0. 060	+0. 237	+0. 212	16 10-17 40	−0. 168	−0. 144	+0. 176
3		17. 9 -18. 2	−0. 162	+0. 045	+0. 235	+0. 209				
3		2. 2 - 2. 4	−0. 158	+0. 067	+0. 240	+0. 229	2 40- 2 50	−0. 161	−0. 142	+0. 197
4		9. 6 - 9. 9	−0. 161	+0. 041	+0. 182	+0. 195	9 20-11 10	−0. 161	−0. 124	+0. 148
4		11. 3 -11. 4	.....	+0. 032	+0. 199	+0. 186				
4	P.	16. 2 -16. 6	−0. 176	+0. 007	+0. 169	+0. 190	16 45-18 20	−0. 167	−0. 136	+0. 125
4		18. 5 -18. 8	−0. 165	+0. 009	+0. 186	+0. 193				
8	M.	17. 0 -17. 6	−0. 189	+0. 008	+0. 242	+0. 263	16 45-18 25	−0. 182	−0. 185	+0. 174
8		20. 7 -21. 1	−0. 184	+0. 021	+0. 245	+0. 262				
9		3. 2 - 3. 5	−0. 178	+0. 038	+0. 258	+0. 284	3 0- 3 10	−0. 171	−0. 183	+0. 205
9		9. 9 -10. 0	−0. 174	+0. 040	+0. 263	+0. 301	10 25-11 35	−0. 166	−0. 183	+0. 202
9		11. 3 -11. 6	.....	+0. 028	+0. 245	+0. 267				

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
May 9	P.	18.3 -18.8	−0.177	+0.041	+0.208	+0.206	18 40-19 45	−0.167	−0.130	+0.162
9		21.95-22.5	−0.158	+0.048	+0.196	+0.202	22 20-22 25	−0.156	−0.124	+0.164
9		1.85- 2.7	−0.174	+0.062	+0.199	+0.252	1 30- 3 15	−0.160	−0.128	+0.201
10		3.3	−0.173	.....	.....	.....				
10		3.85	−0.175	.....	.....	.....				
10		9.3 - 9.95	−0.145	+0.042	+0.262	+0.273	9 20- 9 40	−0.142	−0.181	+0.203
10		13.65-13.95	−0.154	+0.038	+0.250	+0.242	12 0-13 25	−0.156	−0.168	+0.182
10	Ep.	17.9 -18.8	−0.157	+0.037	+0.220	+0.228	18 0-19 45	−0.162	−0.154	+0.159
10		23.3 -23.6	−0.156	+0.027	+0.240	+0.191	23 5-23 10	−0.169	−0.159	+0.147
10		1.9 - 2.4	−0.147	+0.053	+0.255	+0.255	1 35- 3 15	−0.147	−0.165	+0.201
13	P.	16.6 -17.25	−0.206	0.000	+0.160	+0.207	16 0-17 40	−0.193	−0.135	+0.126
13		2.0 - 2.85	−0.184	+0.052	+0.212	+0.212	1 45- 3 30	−0.184	−0.132	+0.173
14		3.2 - 3.55	−0.183	+0.050	.....	.....				
14		4.15	−0.182	.....	.....	.....				
16	P.	16.75-16.95	−0.183	+0.075	+0.266	+0.229	15 40-17 15	−0.193	−0.152	+0.207
17	Ep.	17.0 -17.4	−0.187	+0.055	+0.185	+0.186	16 40-21 25	−0.182	−0.112	+0.158
17		21.6 -21.9	−0.173	+0.053	+0.194	+0.179				
17		2.8 - 3.05	−0.188	+0.053	+0.205	+0.266	2 0- 3 45	−0.172	−0.141	+0.202
18		11.2 -11.9	−0.177	+0.039	+0.243	+0.222	11 15-12 30	−0.182	−0.159	+0.172
19	M.	19.1 -20.0	−0.152	+0.035	+0.173	+0.232	18 55-21 25	−0.140	−0.128	+0.158
19		21.2 -21.6	.....	+0.027	+0.180	+0.210				
19		2.4	.....	+0.024	.....	.....	2 10- 3 50	−0.131	−0.170	+0.139
19		3.3 - 3.6	−0.144	−0.012	+0.196	+0.244				
20		7.9 - 8.0	−0.140	−0.032	+0.223	+0.241	7 40- 7 45	−0.135	−0.197	+0.125
20		11.2 -12.5	−0.138	−0.022	+0.158	+0.220	11 30-12 30	−0.128	−0.151	+0.119
20	P.	18.95-19.35	−0.117	+0.021	+0.186	+0.173	19 25-20 10	−0.120	−0.129	+0.127
20		2.55- 3.35	−0.135	−0.024	+0.183	+0.228	2 15- 3 55	−0.123	−0.168	+0.120
20		3.6	.....	−0.024	.....	.....				
21		9.0 - 9.3	−0.114	−0.005	+0.195	+0.216	8 45- 8 50	−0.109	−0.160	+0.129
21		12.6 -12.9	−0.125	−0.014	+0.202	+0.176	11 30-12 30	−0.120	−0.160	+0.116
21	Ep.	18.8 -19.1	−0.148	−0.015	+0.185	+0.217	19 25-21 25	−0.142	−0.150	+0.115
21		20.9 -21.2	−0.151	−0.011	+0.165	+0.191				
21		3.2 - 3.65	−0.137	−0.033	+0.206	+0.229	3 55- 4 0	−0.131	−0.187	+0.116
22		9.25-10.1	−0.106	−0.018	+0.204	+0.199	9 20- 9 50	−0.107	−0.169	+0.112
22		12.2 -13.2	−0.136	−0.037	+0.160	+0.190	12 0-13 0	−0.118	−0.162	+0.100
23	P.	2.8 - 3.45	−0.140	−0.029	+0.169	+0.183	2 35- 2 40	−0.136	−0.153	+0.092
24		3.8 - 4.2	−0.151	−0.034	.....	.....	4 0- 4 10	−0.147	−0.153	+0.092
24		4.8	−0.151	.....	.....	.....				
24		11.4 -11.95	−0.135	−0.046	+0.181	+0.221	11 30-13 10	−0.130	−0.181	+0.096
24		13.25-13.4	−0.139	.....	+0.196	+0.205				
24	Ep.	19.5 -20.6	−0.133	−0.029	+0.211	+0.195	19 40-20 15	−0.137	−0.179	+0.101
24		2.9 - 3.5	−0.138	−0.032	+0.140	+0.193	2 40- 4 10	−0.124	−0.140	+0.090
25		12.6 -13.7	−0.129	−0.030	+0.177	+0.145	12 20-13 35	−0.138	−0.149	+0.071
26	P.	12.4 -12.8	−0.152	−0.037	+0.144	+0.128	12 55-13 45	−0.161	−0.130	+0.052
26		13.95-14.1	.....	−0.026	+0.158	+0.106				
26	M.	19.4 -20.4	−0.170	−0.029	+0.094	+0.157	19 40-21 25	−0.162	−0.118	+0.072
26		21.0 -21.3	.....	−0.024	+0.148	+0.149				
26		3.8 - 3.9	−0.183	−0.037	+0.109	+0.199	4 15- 4 20	−0.159	−0.128	+0.087
27		12.2 -12.5	−0.177	−0.058	+0.099	+0.154	12 50-14 5	−0.164	−0.122	+0.042
27		13.7 -14.1	.....	−0.056	+0.095	+0.139				

Table IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	*a′*$_n$	*a*$_s$		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
May 27	P.	19.05–19.4	−0.164	−0.040	+0.129	+0.141	19 45–21 25	−0.155	−0.127	+0.062
27		21.7 –21.8	.....	−0.035	+0.125	+0.158				
27		3.25– 3.8	−0.145	−0.039	+0.154	+0.157	2 55– 4 25	−0.144	−0.145	+0.068
28		4.05– 4.45	−0.145	−0.048	.....	.....				
28		5.0	−0.161	.....	.....	.....				
			Collimation adjusted.							
28		14.1 –14.5	−0.433	−0.076	+0.134	+0.176	14 40–15 45	−0.424	−0.157	+0.046
28		15.9 –16.1	.....	−0.066	+0.135	+0.157				
30	P.	15.9 –16.3	−0.452	−0.067	+0.096	+0.136	16 20–17 40	−0.448	−0.119	+0.036
30		17.9 –18.05	.....	−0.036	+0.117	+0.111				
30		3.6 – 4.1	−0.494	−0.034	+0.102	+0.154	3 15– 3 20	−0.480	−0.113	+0.064
31		4.3 – 4.65	−0.479	−0.053	.....	.....	4 30– 4 35	−0.465	−0.113	+0.064
31		5.25	−0.461	.....	.....	.....				
31		11.85–12.2	−0.445	−0.033	+0.107	+0.119	12 25–13 25	−0.452	−0.115	+0.046
31		13.55–13.7	.....	−0.026	+0.155	+0.092				
31	Ep.	15.8 –16.3	−0.465	−0.044	+0.114	+0.140	16 20–17 40	−0.454	−0.112	+0.052
31		17.8 –18.1	−0.460	−0.034	+0.095	+0.134				
31		3.8 – 4.6	−0.439	−0.017	+0.115	+0.133	3 25– 4 40	−0.434	−0.104	+0.069
June 1		13.2 –13.5	−0.426	−0.055	+0.131	+0.144	12 50–13 55	−0.423	−0.140	+0.047
1	P.	17.7 –18.0	−0.445	−0.061	+0.109	+0.133	18 15–20 50	−0.436	−0.129	+0.033
1		21.15–21.65	−0.433	.....	+0.127	+0.128				
2	P.	3.95– 4.3	−0.443	−0.076	+0.095	+0.192	3 40– 3 45	−0.418	−0,143	+0.051
3		4.9	−0.442	.....	.....	.....	4 40– 4 50	−0.416	−0.143	+0.051
3		5.4	−0.436	.....	.....	.....				
3		12.55–12.8	.....	−0.081	+0.128	+0.165	12 50–13 35	−0.426	−0.158	+0.037
3		13.65	−0.436	.....	.....	.....				
3	M.	20.5 –20.9	−0.457	−0.095	+0.097	+0.158	19 40–20 25	−0.441	−0.150	+0.019
4	Ep.	20.4 –20.8	−0.446	−0.065	+0.111	+0.155	19 40–20 15	−0.434	−0.136	+0.043
5		4.3 – 4.7	−0.454	−0.070	+0.064	+0.134	4 50– 4 55	−0.436	−0.110	+0.022
5		15.3 –16.4	−0.446	−0.046	+0.109	+0.104	15 10–16 35	−0.447	−0.112	+0.030
5	M.	19.4 –20.3	−0.468	−0.061	+0.065	+0.141	19 40–22 5	−0.450	−0.111	+0.040
5		21.5 –21.7	.....	−0.054	+0.089	+0.153				
7	P.	6.05– 6.2	−0.465	−0.005	+0.083	+0.118	5 0– 5 5	−0.455	−0.075	+0.067
7		12.6 –13.4	−0.452	−0.007	+0.093	+0.060	12 55–13 45	−0.461	−0.069	+0.036
7	Ep.	20.7 –21.3	−0.471	+0.009	+0.092	.....	19 40–23 35	−0.472	−0.085	+0.063
7		23.0 –23.7	−0.453	+0.005	+0.124	+0.087				
7		4.55– 4.8	−0.479	+0.021	+0.110	+0.095	4 20– 4 25	−0.483	−0.068	+0.077
8		15.4 –16.3	−0.485	+0.024	+0.147	+0.078	15 10–16 35	−0.503	−0.083	+0.075
8	P.	19.6 –20.0	−0.465	+0.025	+0.122	+0.023	20 10– 0 20	−0.488	−0.045	+0.053
8		0.05– 0.6	−0.494	+0.017	+0.047	+0.086				
9	M.	20.3 –21.3	−0.471	+0.014	+0.027	+0.017	20 5– 1 30	−0.486	−0.016	+0.032
9		1.2 – 1.8	−0.500	+0.014	+0.039	+0.050				
9		4.4 – 4.9	−0.497	−0.012	+0.069	+0.096	4 35– 5 20	−0.490	−0.067	+0.047
10		13.6 –14.0	−0.478	−0.043	+0.063	+0.049	13 20–16 35	−0.486	−0.075	+0.002
10		15.9 –16.1	.....	−0.029	+0.089	+0.040				
10	P.	20.15–21.0	−0.464	+0.007	+0.066	+0.025	19 45–20 50	−0.475	−0.039	+0.026
10		1.7 – 2.15	−0.492	+0.003	+0.054	+0.096	1 25– 2 0	−0.481	−0.049	+0.058
10		4.6 – 5.05	−0.477	+0.002	+0.057	+0.100	4 45– 4 50	−0.465	−0.052	+0.060
11		5.4	−0.455	.....	.....	.....	5 15– 5 20	−0.443	−0.052	+0.060
11		5.95	−0.451	.....	.....	.....				
11		12.8 –13.1	−0.467	−0.043	+0.067	+0.101	13 20–15 10	−0.458	−0.091	+0.028
11		15.35–15.65	−0.456	−0.037	+0.097	+0.088				
11	Ep.	20.5 –21.3	−0.456	−0.026	+0.086	+0.067	19 50–21 30	−0.461	−0.078	+0.024
11		4.75– 5.15	−0.444	−0.033	+0.071	+0.138	4 55– 5 25	−0.426	−0.090	+0.053
12	M.	20.3 –21.2	−0.459	−0.056	+0.047	+0.093	20 5–20 55	−0.447	−0.082	+0.010
12		4.8 – 5.2	−0.455	−0.062	+0.030	+0.036	5 5– 5 30	−0.453	−0.064	−0.026
13		12.8 –13.0	−0.452	−0.067	+0.057	+0.034	13 20–14 25	−0.458	−0.082	−0.028

TABLE IV.—*The Constants c, b, a, n, and m*—**Continued.**

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
June 13	P.	20.45–20.8	−0.461	−0.057	+0.030	+0.047	19 40–20 15	−0.457	−0.063	−0.017
16	P.	19.9 –20.4	−0.452	−0.040	+0.125	+0.122	20 10–21 45	−0.456	−0.124	+0.046
16		21.0 –21.9	.....	−0.039	+0.134	+0.119				
16		1.1 – 1.8	−0.471	−0.066	+0.183	+0.135	1 25– 1 30	−0.484	−0.174	+0.039
16		5.1 – 5.5	−0.453	−0.077	+0.145	+0.187	5 40– 5 45	−0.430	−0.170	+0.053
17		5.85	−0.428	.....	.....	.....				
17		6.4	−0.433	.....	.....	.....				
17		13.15–13.65	.....	−0.082	+0.175	+0.140	13 20–14 50	−0.434	−0.182	+0.028
17		14.4 –15.1	−0.420	−0.075	+0.193	+0.129				
19	M.	5.3 – 5.6	−0.507	−0.062	+0.112	+0.169	5 50– 6 15	−0.492	−0.139	+0.051
20		10.8 –11.0	.....	−0.056	+0.148	+0.125	11 15–15 5	−0.461	−0.138	+0.031
20		13.6 –15.2	−0.452	−0.050	+0.140	+0.094				
20	P.	20.35–21.3	−0.460	−0.034	+0.095	+0.022	20 27	−0.479	−0.068	−0.005
							21 18	−0.479	−0.068	+0.001
20		0.7 – 1.0	−0.444	−0.013	+0.071	+0.054	0 51	−0.448	−0.068	+0.026
20		5.6 – 5.75	−0.451	−0.024	.....	.....	5 55– 6 5	−0.460	−0.108	+0.048
21		6.15– 6.3	−0.455	.....	+0.129	+0.100				
21		6.75	−0.448	.....	.....	.....				
21		11.75–12.0	−0.459	−0.040	+0.104	+0.086	12 5–15 5	−0.460	−0.102	+0.026
21		15.25–15.55	−0.445	−0.032	+0.118	+0.074				
21	M.	21.0 –22.0	−0.465	−0.051	+0.096	+0.069	21 11	−0.468	−0.100	+0.012
21		1.1 – 1.2	.....	−0.028	+0.064	+0.064	1 9	−0.468	−0.068	+0.012
21		5.7 – 6.2	−0.476	−0.068	+0.063	+0.104	6 0– 6 35	−0.465	−0.101	+0.009
22		13.1 –13.5	−0.436	−0.059	+0.113	+0.101	12 55–13 0	−0.439	−0.122	+0.019
23	P.	14.85–15.9	−0.455	−0.074	+0.098	+0.101	14 45–16 55	−0.456	−0.126	+0.004
23		17.1 –17.3	.....	−0.074	+0.107	+0.095				
24		5.9 – 6.0	−0.431	−0.050	.....	.....	6 10– 6 15	−0.432	−0.102	+0.017
24		6.3 – 6.5	−0.445	.....	+0.092	+0.087	6 50– 6 55	−0.437	−0.098	+0.023
24		7.0 – 7.15	−0.436	−0.043	.....	.....				
24		13.9 –14.2	−0.430	−0.040	+0.110	+0.066	14 35–15 45	−0.443	−0.106	+0.012
24		15.9 –16.1	.....	−0.049	+0.115	+0.064				
25	P.	20.95–21.3	−0.454	−0.073	+0.102	+0.071	21 25–22 15	−0.463	−0.118	−0.010
25		1.15– 1.8	−0.462	−0.091	+0.081	+0.109	1 25– 1 30	−0.455	−0.127	−0.005
25		6.0 – 6.15	−0.453	−0.068	.....	.....	6 15– 6 25	−0.446	−0.126	+0.021
26		6.5 – 6.7	−0.448	.....	+0.102	+0.120				
26		6.95	−0.427	.....	.....	.....				
28	P.	6.6 – 6.8	−0.435	−0.041	+0.102	+0.077	6 25– 6 35	−0.441	−0.100	+0.020
28		13.7 –13.95	−0.449	−0.050	+0.120	+0.097	13 20–18 15	−0.460	−0.121	+0.024
28		16.55–16.7	.....	−0.053	+0.127	+0.101				
28		18.45–18.7	−0.460	−0.053	+0.111	+0.100				
28	M.	6.0 – 6.3	−0.457	−0.084	+0.113	+0.205	6 30– 6 35	−0.432	−0.162	+0.053
29		7.7	.....	−0.075	.....	.....	7 30– 7 35	−0.432	−0.155	+0.061
29		16.5 –16.9	−0.443	−0.061	+0.130	+0.153	16 20–19 15	−0.437	−0.142	+0.043
29		18.5 –18.7	.....	−0.062	+0.121	+0.145				
30	P.	22.8 –23.15	−0.436	−0.040	+0.071	+0.076	22 10–22 45	−0.435	−0.082	+0.016
30		6.55	−0.457	.....	.....	.....	6 40– 6 45	−0.465	−0.066	+0.028
July 1		6.8 – 7.1	−0.455	−0.010	+0.085	+0.053				
1		7.55– 8.1	−0.457	−0.004	.....	.....	7 50– 7 55	−0.466	−0.062	+0.033
1		15.25–15.65	−0.459	−0.020	+0.067	+0.058	16 10–17 10	−0.465	−0.066	+0.018
1		17.35–17.5	.....	−0.024	+0.082	+0.046				
1	M.	6.3 – 6.5	−0.489	−0.059	+0.041	+0.087	6 40– 6 50	−0.477	−0.080	+0.003
2		7.7	.....	−0.067	.....	.....	7 55– 8 0	−0.477	−0.085	−0.003
2		13.6 –13.8	−0.474	−0.067	+0.036	+0.087	13 20–16 25	−0.466	−0.084	−0.009
2		15.9 –16.1	.....	−0.070	+0.053	+0.064				
2	P.	19.7 –20.05	−0.465	−0.062	+0.057	+0.068	20 15–21 50	−0.464	−0.087	−0.002
2		21.95–22.1	.....	−0.053	+0.073	+0.072				
2		6.7	−0.447	.....	.....	.....	6 45– 6 55	−0.442	−0.105	+0.024
3		7.0 – 7.2	−0.445	−0.051	+0.089	+0.105				
3		7.5 – 8.3	−0.452	−0.045	.....	.....	8 5– 8 10	−0.448	−0.101	+0.029
3		14.5 –14.85	−0.450	−0.072	+0.116	+0.107	15 0–15 50	−0.449	−0.125	+0.014
3		16.0 –16.2	.....	−0.066	+0.092	+0.108				

TABLE IV.—*The Constants c. b. a. n. and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
July 4	P.	21.5 –21.85	−0.451	−0.101	+0.074	+0.083	22 0–23 20	−0.450	−0.129	−0.019
4		23.5 –23.65	.....	−0.093	+0.099	+0.099				
4		1.75– 2.05	−0.439	−0.098	+0.091	+0.085	1 25– 1 30	−0.441	−0.131	−0.023
4		6.75	−0.436	.....	.....	.....	6 55– 7 0	−0.439	−0.155	−0.024
5		7.1 – 7.3	−0.446	−0.118	+0.101	+0.109				
5		7.6 – 8.5	−0.438	−0.101	.....	.....	8 20– 8 25	−0.436	−0.144	−0.011
5		12.85–13.2	−0.459	−0.101	+0.097	+0.132	13 20–15 50	−0.440	−0.142	−0.009
5		16.0 –16.5	−0.425	−0.095	+0.109	+0.082				
5	M.	20.6 –21.3	−0.446	−0.130	+0.108	+0.119	20 57	−0.440	−0.169	−0.031
5		0.9 – 1.2	.....	−0.120	+0.063	+0.100	1 3	−0.440	−0.133	−0.031
5		6.4 – 6.7	−0.497	−0.154	+0.070	+0.168	7 0– 7 5	−0.471	−0.173	−0.025
6		8.2	.....	−0.175	.....	.....	8 25– 8 30	−0.471	−0.187	−0.041
6		13.6 –13.9	−0.452	−0.144	+0.054	+0.109	13 20–15 50	−0.436	−0.144	−0.044
6		15.9 –16.1	.....	−0.136	+0.057	+0.119				
6	P.	19.7 –20.15	−0.446	−0.093	+0.069	+0.064	20 15–23 5	−0.450	−0.114	−0.036
6		23.3 –23.45	.....	−0.095	+0.084	+0.049				
6		0.95– 1.3	−0.443	−0.099	+0.049	+0.087	0 45– 0 50	−0.433	−0.109	−0.026
7	M.	20.7 –21.5	−0.442	−0.137	+0.075	+0.083	20 10–21 10	−0.440	−0.146	−0.055
7		1.1 – 1.9	−0.437	−0.121	+0.073	+0.083	1 20– 1 35	−0.434	−0.135	−0.043
7		6.6 – 6.9	−0.455	−0.167	+0.058	+0.115	7 5– 7 15	−0.440	−0.162	−0.064
8		8.4	.....	−0.171	.....	.....	8 40– 8 45	−0.440	−0.165	−0.067
8		13.6 –13.9	−0.416	−0.123	+0.070	+0.074	13 20–16 15	−0.420	−0.134	−0.050
8		15.9 –16.1	.....	−0.114	+0.093	+0.057				
8	P.	21.7 –22.1	−0.407	−0.096	+0.091	+0.057	22 20– 2 25	−0.416	−0.130	−0.037
8		1.75– 2.1	−0.404	−0.101	+0.106	+0.056				
8		6.9 – 7.1	−0.405	−0.104	.....	.....	7 10– 7 20	−0.420	−0.144	−0.045
9		7.35– 7.55	−0.393	.....	+0.125	+0.044				
9		7.75– 9.15	−0.392	−0.088	+0.132	+0.045	8 45– 8 50	−0.416	−0.138	−0.032
9		12.95–13.2	−0.407	−0.099	+0.095	+0.067	13 20–16 15	−0.418	−0.142	−0.039
9		16.4 –16.6	.....	−0.118	+0.118	+0.061				
9	M.	22.4 –23.2	−0.430	−0.133	+0.077	+0.077	22 5– 3 25	−0.422	−0.138	−0.045
9		3.5 – 3.6	.....	−0.112	+0.078	+0.086				
9		6.8 – 7.1	−0.417	−0.119	+0.119	+0.104	7 15– 7 20	−0.421	−0.164	−0.026
10		9.0 – 9.2	.....	−0.101	+0.136	+0.083	8 50– 8 55	−0.421	−0.158	−0.020
10	P.	6.8 – 7.1	−0.402	−0.101	+0.103	+0.067	7 20– 7 25	−0.410	−0.136	−0.033
11		7.55	−0.398	.....	.....	.....				
11		7.95	−0.389	.....	.....	.....				
11		14.85–15.2	−0.414	−0.115	+0.102	+0.060	15 30–16 15	−0.425	−0.146	−0.042
11		16.55–16.7	.....	−0.111	+0.117	+0.076				
12	M.	8.8 – 9.1	−0.414	−0.087	+0.102	+0.108	7 25– 7 30	−0.412	−0.135	0.000
12		16.5 –17.3	−0.414	−0.109	+0.127	+0.094	16 50–18 5	−0.423	−0.160	−0.023
12	P.	19.75–20.05	−0.412	−0.097	+0.099	+0.093	20 15– 1 55	−0.415	−0.144	−0.011
12		21.3 –21.7	.....	−0.095	+0.125	+0.099				
12		1.7 – 2.2	−0.411	−0.094	+0.111	+0.103				
12		7.0 – 7.3	−0.407	−0.105	+0.137	+0.090	7 25– 7 35	−0.422	−0.163	−0.020
13		7.7	−0.411	.....	.....	.....				
13		8.2 – 9.6	−0.400	−0.074	+0.137	+0.179	9 10– 9 15	−0.389	−0.163	+0.050
13		12.9 –13.15	−0.402	−0.100	+0.133	+0.126	13 20–16 15	−0.406	−0.162	−0.011
13		16.5 –16.65	.....	−0.114	+0.119	+0.099				
15	M.	7.0 – 7.4	−0.429	−0.127	+0.110	+0.128	7 35– 7 45	−0.424	−0.170	−0.020
15		18.0 –18.5	−0.414	−0.117	+0.098	+0.103	18 15–20 20	−0.414	−0.151	−0.021
15		19.8 –20.1	.....	−0.105	+0.111	+0.105				
15	P.	22.25–22.65	−0.422	−0.099	+0.098	+0.108	22 45– 1 30	−0.419	−0.141	−0.010
15		1.1 – 1.7	.....	−0.101	+0.097	+0.109				
15		7.25– 7.5	−0.409	−0.088	+0.091	+0.126	7 40– 7 45	−0.388	−0.133	+0.007
16		7.85	−0.387	.....	.....	.....				
16		8.35	−0.398	.....	.....	.....				
16		15.35–15.55	.....	−0.085	+0.110	+0.107	16 10–17 40	−0.416	−0.146	+0.002
16		17.9 –18.2	−0.413	−0.091	+0.129	+0.115				
17	M.	7.3 – 7.5	−0.427	−0.099	+0.121	+0.128	7 45– 7 50	−0.425	−0.157	+0.003

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
July 19	Ep.	7. 2 – 7. 4	−0. 427	−0. 064	+0. 087	+0. 105	7 50– 8 0	−0. 422	−0. 112	+0. 014
19		9. 9 –10. 3	−0. 435	−0. 063	+0. 080	+0. 123	9 40– 9 45	−0. 423	−0. 111	+0. 024
19		12. 5 –13. 1	−0. 407	−0. 028	+0. 130	+0. 055	12 35–13 30	−0. 428	−0. 102	+0. 021
19		18. 5 –19. 3	−0. 427	−0. 037	+0. 140	+0. 079	17 40–18 50	−0. 443	−0. 119	+0. 028
22	M.	7. 7 – 7. 9	−0. 430	−0. 040	+0. 072	+0. 079	8 5– 8 10	−0. 428	−0. 083	+0. 018
22		15. 3 –15. 7	−0. 443	−0. 046	+0. 094	+0. 095	15 10–17 10	−0. 442	−0. 104	+0. 020
22		16. 6 –17. 0	.....	−0. 054	+0. 088	+0. 096				
22	Ep.	23. 6 – 0. 5	−0. 426	−0. 037	+0. 091	+0. 065	23 0– 1 30	−0. 434	−0. 088	+0. 019
22		1. 0 – 1. 7	.....	−0. 042	+0. 085	+0. 054				
23		16. 4 –17. 2	−0. 443	−0. 024	+0. 077	+0. 085	16 0–18 5	−0. 441	−0. 077	+0. 034
25	M.	8. 1 – 8. 5	−0. 467	−0. 014	−0. 097	−0. 004	8 15– 8 25	−0. 442	+0. 045	−0. 023
25		18. 1 –19. 2	−0. 455	−0. 021	+0. 078	+0. 080	17 55–20 20	−0. 451	−0. 081	+0. 030
25		19. 6 –19. 7	.....	−0. 043	+0. 071	+0. 097				
26	Ep.	18. 2 –18. 7	−0. 446	−0. 034	+0. 052	+0. 053	18 50–20 20	−0. 446	−0. 051	+0. 009
26		20. 5 –21. 0	−0. 446	−0. 016	+0. 039	+0. 036				
27		7. 8 – 8. 1	−0. 455	−0. 011	+0. 007	+0. 030	8 25– 8 30	−0. 449	−0. 017	+0. 007
27		9. 4 – 9. 9	−0. 447	−0. 007	+0. 036	+0. 060	10 10–10 15	−0. 441	−0. 038	+0. 029
27		13. 0 –13. 8	−0. 443	−0. 010	+0. 043	+0. 033	13 20–13 30	−0. 446	−0. 038	+0. 014
27		18. 6 –19. 1	−0. 449	−0. 030	+0. 067	+0. 046	19 20–20 40	−0. 458	−0. 059	+0. 001
27		20. 8 –21. 3	−0. 456	−0. 030	+0. 050	+0. 024				
28	P.	19. 4 –19. 8	−0. 446	−0. 043	+0. 088	+0. 064	19 50–20 55	−0. 454	−0. 087	−0. 003
28		21. 1 –21. 2	.....	−0. 054	+0. 075	+0. 035				
29	Ep.	21. 3 –21. 6	−0. 440	−0. 051	+0. 075	+0. 069	21 30–22 40	−0. 442	−0. 089	+0. 004
30		8. 2 – 8. 45	−0. 450	−0. 039	+0. 049	+0. 094				
30		17. 9 –18. 1	−0. 454	−0. 056	+0. 062	+0. 069	17 30–19 0	−0. 452	−0. 085	−0. 001
30	P.	21. 75–22. 05	−0. 445	−0. 044	+0. 060	+0. 045	21 53	−0. 456	−0. 080	−0. 004
30		23. 25–23. 4	.....	−0. 067	+0. 082	+0. 013	23 19	−0. 456	−0. 080	−0. 036
30		8. 5	−0. 424	.....	.....	.....	8 40– 8 45	−0. 420	−0. 093	+0. 041
31		8. 8 – 9. 2	−0. 439	−0. 038	+0. 079	+0. 118				
31		9. 35	−0. 452	.....	.....	.....				
31		19. 15–20. 1	−0. 465	−0. 078	+0. 016	+0. 082	19 20–20 0	−0. 448	−0. 076	−0. 016
Aug. 1	Ep.	8. 3 – 8. 95	−0. 446	−0. 035	+0. 046	+0. 073	8 45– 8 50	−0. 439	−0. 065	+0. 016
1		17. 7 –18. 1	−0. 471	−0. 078	+0. 048	+0. 072	18 20–19 25	−0. 465	−0. 092	−0. 018
1	P.	23. 1 –23. 4	−0. 455	−0. 062	+0. 069	+0. 041	23 15	−0. 462	−0. 086	−0. 018
1		0. 9 – 1. 1	.....	−0. 037	+0. 044	+0. 014	0 59	−0. 462	−0. 051	−0. 018
1		8. 3 – 8. 6	−0. 452	−0. 028	−0. 029	−0. 011	8 45– 8 55	−0. 442	+0. 002	−0. 031
2		9. 0	−0. 443	.....	.....	.....				
2		9. 45	−0. 451	.....	.....	.....				
2		18. 1 –19. 2	−0. 462	−0. 059	+0. 049	+0. 058	18 15–19 30	−0. 458	−0. 075	−0. 004
2		19. 7 –19. 9	.....	−0. 050	+0. 045	+0. 068				
2	Ep.	1. 8 – 2. 0	−0. 470	−0. 048	+0. 038	+0. 052	0 30– 1 30	−0. 466	−0. 063	−0. 006
3	P.	0. 0 – 0. 4	−0. 473	−0. 060	+0. 036	−0. 001	0 40– 1 40	−0. 480	−0. 067	−0. 040
3		1. 85– 2. 0	.....	−0. 071	+0. 047	+0. 026				
4	Ep.	0. 0 – 1. 2	−0. 489	−0. 059	+0. 026	+0. 038	0 40– 2 5	−0. 484	−0. 060	−0. 013
4		2. 3 – 2. 6	−0. 484	−0. 042	+0. 042	+0. 050				
5		8. 6 – 8. 85	−0. 482	−0. 025	+0. 012	+0. 072	9 0– 9 5	−0. 466	−0. 039	+0. 019
5		18. 8 –19. 2	−0. 485	−0. 075	+0. 039	+0. 058	19 20–20 15	−0. 484	−0. 080	−0. 024
5		20. 5 –20. 7	−0. 490	−0. 069	+0. 047	+0. 050				
5	P.	0. 0 – 0. 45	−0. 477	−0. 075	+0. 075	+0. 036	0 40– 1 55	−0. 484	−0. 090	−0. 022
5		2. 45– 2. 8	−0. 475	−0. 056	+0. 065	+0. 046				
6	Ep.	0. 5 – 1. 2	−0. 487	−0. 062	+0. 053	+0. 043	0 5– 0 45	−0. 490	−0. 078	−0. 021
7		8. 8 – 8. 95	−0. 468	−0. 072	+0. 043	+0. 057	9 5– 9 15	−0. 464	−0. 082	−0. 022
7		17. 4 –18. 2	−0. 464	−0. 061	+0. 056	+0. 050	17 10–18 25	−0. 466	−0. 081	−0. 016

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Aug. 7	P.	0.4 – 0.7	−0.474	−0.071	+0.062	+0.044	0 55– 1 55	−0.474	−0.092	−0.024
7		2.05– 2.2	.....	−0.082	+0.052	+0.072				
12	P.	19.2 –19.6	−0.413	−0.081	+0.111	+0.072	19 50–20 50	−0.424	−0.134	−0.010
12		21.0 –21.15	.....	−0.082	+0.124	+0.082				
13		9.8 –10.05	−0.411	−0.096	+0.111	+0.102	9 30– 9 35	−0.413	−0.144	−0.009
13		16.4 –16.7	−0.423	−0.108	+0.107	+0.128	17 5–17 45	−0.420	−0.158	−0.006
13		18.45–18.6	.....	−0.107	+0.117	+0.122				
14	Ep.	1.2 – 2.2	−0.433	−0.085	+0.086	+0.088	0 40– 2 5	−0.432	−0.121	−0.010
15		9.2 – 9.4	−0.446	−0.116	+0.069	+0.124	9 35– 9 45	−0.431	−0.138	−0.019
15		13.0 –13.7	−0.418	−0.061	+0.088	+0.074	13 25–13 30	−0.422	−0.104	0.000
15		19.2 –19.8	−0.442	−0.107	+0.082	+0.073	18 55–20 15	−0.444	−0.129	−0.036
15	P.	0.35– 0.65	−0.436	−0.101	+0.076	+0.073	0 55– 2 5	−0.438	−0.123	−0.042
15		2.3 – 2.5	.....	−0.115	+0.069	+0.062				
15		9.5	−0.428	.....	.....	.....	9 40– 9 50	−0.448	−0.122	−0.017
16		9.85–10.15	−0.433	−0.073	+0.117	+0.051	10 4	−0.437	−0.114	−0.017
16		10.35	−0.427	.....	.....	.....				
16		12.95–13.7	.....	−0.055	+0.089	+0.094	13 19	−0.437	−0.114	+0.016
16		17.15–17.4	−0.435	−0.075	+0.052	+0.050	17 30–19 50	−0.442	−0.098	−0.024
16		20.05–20.3	−0.452	−0.090	+0.060	+0.079				
18	P.	14.95–15.2	−0.395	−0.113	+0.124	+0.101	15 5	−0.401	−0.162	−0.024
18		17.9 –18.25	.....	−0.085	+0.085	+0.061	18 5	−0.401	−0.114	−0.024
18	M.	0.8 – 2.2	−0.433	−0.104	+0.078	+0.107	0 55– 2 5	−0.426	−0.133	−0.017
19		9.3 – 9.5	−0.412	−0.101	+0.070	+0.115	9 50–10 0	−0.400	−0.128	−0.011
19		15.9 –16.0	−0.430	−0.115	+0.071	+0.086	15 40–15 50	−0.426	−0.131	−0.037
20	M.	19.1 –20.3	−0.438	−0.088	+0.091	+0.074	19 25–20 15	−0.434	−0.126	−0.029
21		9.6 – 9.8	−0.412	−0.069	+0.061	+0.102	10 0–10 5	−0.401	−0.099	+0.006
22	Ep.	18.3 –18.9	−0.417	−0.104	+0.051	+0.054	18 30–19 25	−0.416	−0.105	−0.047
23	M.	18.4 –19.1	−0.417	−0.060	+0.083	+0.034	18 40–20 15	−0.436	−0.085	−0.028
23		19.9 –20.0	.....	−0.051	+0.087	−0.008				
23	Ep.	1.8 – 2.4	−0.438	−0.046	+0.039	−0.002	1 20– 3 10	−0.449	−0.050	−0.033
24		9.8 –10.1	−0.435	−0.043	+0.018	+0.079	10 10–10 15	−0.419	−0.061	+0.002
24		10.4 –10.5	.....	.....	+0.058	+0.040				
24		13.1 –13.8	−0.413	−0.044	+0.059	+0.033	13 20–20 25	−0.425	−0.070	−0.020
24		19.2 –19.8	−0.439	−0.076	+0.023	+0.054				
25	M.	19.1 –19.6	−0.427	−0.082	+0.052	+0.046	19 20–20 0	−0.431	−0.092	−0.043
25		20.3 –20.6	.....	−0.092	+0.049	+0.027	21 10–21 15	−0.433	−0.092	−0.052
27	M.	1.2 – 2.5	−0.481	−0.086	+0.016	+0.077	1 20– 2 5	−0.465	−0.080	−0.025
28		9.9 –10.2	−0.478	−0.002	−0.021	+0.098	10 25–10 30	−0.446	−0.011	+0.047
29	Ep.	10.1 –10.7	−0.458	−0.009	+0.028	+0.042	10 30–10 35	−0.454	−0.030	+0.018
29		23.3 –23.7	−0.471	−0.050	+0.048	+0.053	22 40– 0 20	−0.470	−0.070	−0.007
30	M.	10.0 –10.4	−0.480	−0.043	+0.011	+0.068	10 30–10 40	−0.465	−0.049	+0.003
30		13.6 –14.0	−0.491	−0.043	+0.018	+0.050	13 20–13 30	−0.482	−0.047	−0.005
31	M.	1.9 – 2.8	−0.468	−0.041	−0.003	+0.040	1 35– 2 45	−0.456	−0.032	−0.012
Sept. 5	Ep.	3.3 – 3.6	−0.427	−0.075	+0.067	+0.073	2 50– 4 10	−0.424	−0.096	−0.022
5		6.2 – 6.4	−0.427	−0.084	+0.046	+0.056	6 40– 6 45	−0.424	−0.091	−0.031
6		10.4 –10.8	−0.405	−0.088	+0.065	+0.093	10 55–11 5	−0.398	−0.112	−0.013
6		12.5 –13.0	−0.389	−0.062	+0.082	+0.085	13 20–13 30	−0.388	−0.103	+0.006
6		18.6 –19.6	−0.384	−0.082	+0.117	+0.084	18 40–19 45	−0.393	−0.135	−0.008
6	M.	3.6 – 4.5	−0.414	−0.085	+0.081	+0.076	3 20– 4 25	−0.415	−0.115	−0.018
7		10.9 –11.2	−0.421	−0.085	+0.042	+0.092	11 0–11 5	−0.408	−0.097	−0.014
8	Ep.	0.8 – 1.7	−0.436	−0.067	+0.011	+0.019	0 40– 2 25	−0.434	−0.053	−0.042
8		10.7 –11.0	−0.421	−0.055	+0.039	+0.042	10 0–11 15	−0.420	−0.065	−0.017
9		18.5 –19.5	−0.411	−0.078	+0.023	−0.005	18 15–19 30	−0.418	−0.060	−0.060

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Sept. 9	M.	3.6 – 4.5	−0.442	−0.064	+0.038	+0.050	3 25– 4 10	−0.439	−0.072	−0.019
9		10.3	.....	−0.050	.....	.....	10 5–10 10	−0.421	−0.048	−0.018
9		10.5 –11.0	−0.427	−0.054	+0.014	+0.038	11 10–11 20	−0.421	−0.050	−0.021
10		12.9 –13.2	−0.424	−0.060	+0.016	+0.025	13 20–13 30	−0.422	−0.052	−0.032
10		17.8 –18.4	−0.414	−0.075	−0.001	+0.016	18 0–19 5	−0.410	−0.051	−0.050
10	Ep.	2.8 – 3.1	−0.428	−0.091	+0.008	+0.031	3 25– 6 5	−0.422	−0.069	−0.049
10		5.6 – 6.2	−0.426	−0.082	+0.019	+0.033				
10		10.6	.....	−0.068	.....	.....	10 10–10 15	−0.409	−0.073	−0.017
10		10.9 –11.1	−0.418	−0.083	+0.031	+0.062	11 15–11 20	−0.409	−0.082	−0.029
11		12.6 –13.1	−0.411	−0.090	+0.022	+0.048	13 20–13 30	−0.404	−0.079	−0.043
12	Ep.	5.3 – 5.7	−0.450	−0.046	+0.072	+0.045	4 5– 6 5	−0.457	−0.078	−0.005
13		11.0 –11.3	−0.466	−0.018	+0.027	+0.037	11 20–11 30	−0.463	−0.034	+0.008
13		12.8 –13.2	−0.455	−0.013	+0.040	+0.041	13 20–13 30	−0.455	−0.039	+0.015
13		18.5 –19.2	−0.465	−0.052	+0.002	+0.024	18 15–19 5	−0.459	−0.039	−0.028
15	M.	5.2 – 5.5	−0.444	−0.096	+0.032	+0.043	4 5– 5 5	−0.441	−0.088	−0.048
16	P.	11.1 –11.4	−0.449	−0.060	+0.024	+0.024	10 50–10 55	−0.449	−0.057	−0.032
17		16.8 –17.1	−0.434	−0.045	+0.019	−0.009	17 15–19 25	−0.450	−0.048	−0.044
17		19.5 –20.8	−0.460	−0.079	+0.009	+0.017				
19	M.	19.3 –20.4	−0.444	−0.037	+0.031	+0.011	19 5–20 0	−0.449	−0.042	−0.020
19	P.	2.7 – 2.9	.....	−0.014	+0.033	+0.020	3 0– 4 0	−0.465	−0.024	+0.001
19		4.25– 4.55	−0.461	−0.011	+0.013	+0.011				
19		11.6 –11.7	−0.468	.....	−0.035	+0.023	11 10–11 15	−0.453	+0.021	+0.015
20		11.5 –11.95	−0.481	+0.010	.....	.....	11 45–11 55	−0.466	+0.021	+0.015
20		12.45	−0.479	.....	.....	.....				
20		17.7 –17.8	.....	−0.046	+0.025	+0.011	18 0–20 5	−0.477	−0.036	−0.014
20		20.4 –20.7	−0.481	−0.015	+0.026	+0.019				
20	Ep.	5.0 – 5.7	−0.473	−0.011	+0.056	−0.006	4 20– 5 35	−0.490	−0.037	−0.006
20		11.25–11.5	−0.470	+0.008	+0.014	+0.018	11 15–12 0	−0.469	−0.006	+0.017
21		12.8 –13.1	−0.459	+0.011	+0.028	+0.004	13 20–13 30	−0.465	−0.009	+0.014
21		18.2 –18.5	−0.444	−0.018	+0.008	+0.014	18 0–19 50	−0.448	−0.022	−0.009
21		20.4 –20.7	−0.458	−0.030	0.000	+0.020				
22	P.	20.1 –20.6	−0.474	−0.017	−0.025	−0.006	20 50–21 50	−0.470	−0.004	−0.028
22		23.15–23.3	.....	−0.040	−0.023	−0.006				
27	Ep.	2.2 – 2.7	−0.476	+0.009	+0.039	+0.018	1 30– 3 10	−0.481	−0.019	+0.021
27		11.7 –11.9	−0.481	+0.059	+0.005	+0.041	12 5–12 25	−0.471	+0.025	+0.068
28		12.8 –13.1	−0.484	+0.078	+0.053	+0.004	13 20–13 30	−0.497	+0.019	+0.069
28		17.9 –18.5	−0.496	+0.019	+0.018	+0.017	18 0–19 45	−0.496	−0.002	+0.026
28	P.	1.3 – 2.2	−0.502	+0.024	+0.012	+0.016	1 40– 3 10	−0.499	+0.003	+0.036
28		3.35– 3.5	.....	+0.030	+0.018	+0.036				
29	M.	3.7 – 4.1	−0.497	−0.018	+0.048	+0.032	3 15– 4 35	−0.501	−0.045	+0.008
30		11.9 –12.1	−0.519	+0.047	+0.019	+0.072	12 25–12 30	−0.505	+0.002	+0.076
30		17.8 –18.2	−0.509	+0.043	+0.065	+0.027	18 0–19 45	−0.509	−0.010	+0.058
30		19.5 –19.8	.....	+0.034	+0.023	+0.060				
30	P.	3.05– 3.55	−0.512	+0.065	+0.058	+0.042	3 40– 4 35	−0.512	+0.007	+0.078
30		4.8 – 4.95	.....	+0.066	+0.029	+0.049				
Oct. 3	P.	5.1 – 5.35	−0.494	−0.011	−0.004	+0.012	5 30– 7 30	−0.490	−0.016	0.000
3		7.65– 8.8	.....	−0.019	+0.012	+0.030				
3		12.1 –12.3	−0.467	−0.008	−0.002	+0.041	12 40–12 45	−0.456	−0.013	+0.016
4		12.8	−0.468	.....	.....	.....				
4		13.25	−0.471	.....	.....	.....				
4		17.5 –17.8	−0.467	−0.018	−0.021	−0.006	18 0–19 45	−0.462	−0.012	−0.020
4		19.95–20.1	.....	−0.037	−0.004	+0.015				

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Oct. 4	Ep.	6.4 – 7.2	−0.465	−0.043	−0.009	+0.014	5 50– 8 35	−0.460	−0.026	−0.029
4		8.0 – 8.3	−0.464	−0.042	−0.002	+0.006				
5		12.3 –12.4	−0.439	−0.027	+0.044	+0.017	12 40–12 50	−0.446	−0.044	−0.007
5		20.4 –21.3	−0.460	−0.075	+0.011	+0.004	20 10–21 45	−0.462	−0.054	−0.055
6	Ep.	6.1 – 6.9	−0.458	−0.065	−0.016	−0.034	5 30– 6 45	−0.463	−0.025	−0.070
7		12.4 –12.55	−0.460	−0.072	−0.009	+0.015	12 50–12 55	−0.454	−0.043	−0.049
7		18.2 –18.4	−0.448	−0.105	+0.011	+0.013	18 0–18 45	−0.447	−0.074	−0.073
7	P.	22.45–22.8	−0.462	−0.085	+0.005	+0.009	23 0– 0 5	−0.458	−0.048	−0.056
7		0.3 – 0.4	.....	−0.073	−0.017	+0.013				
7		12.25–12.7	−0.500	−0.029	−0.047	−0.008	12 50–13 10	−0.489	+0.011	−0.032
8		18.35–18.7	−0.502	−0.026	−0.009	−0.019	18 55–19 50	−0.508	−0.011	−0.034
8		20.0 –20.15	.....	−0.030	+0.006	−0.028				
9	P.	3.35– 3.65	−0.500	−0.011	+0.001	+0.021	3 50– 5 55	−0.496	−0.012	−0.005
9		6.15– 6.3	.....	−0.019	−0.003	+0.005				
10		12.8	−0.459	.....	.....	.....	13 0–13 5	−0.478	−0.029	+0.018
10		13.2 –13.65	−0.449	+0.015	+0.069	−0.002	13 20–13 25	−0.468	−0.029	+0.018
10		13.7	−0.444	.....	.....	.....				
10		18.35–18.7	−0.425	−0.038	+0.001	−0.004	18 55–19 50	−0.422	−0.011	−0.022
10		19.95–20.1	.....	−0.017	−0.022	+0.007				
10	Ep.	6.3 – 6.8	−0.448	−0.067	−0.007	+0.020	5 50– 7 15	−0.441	−0.043	−0.043
11		12.6 –12.9	−0.441	−0.094	+0.009	+0.039	13 5–13 10	−0.433	−0.073	−0.052
11		20.2 –20.5	−0.427	−0.089	+0.036	−0.005	19 40–20 50	−0.438	−0.075	−0.068
14	P.	4.65– 4.9	.....	−0.025	+0.012	+0.051	5 0– 6 5	−0.518	−0.031	+0.002
14		5.7 – 6.5	−0.526	−0.027	+0.009	+0.028				
14		13.1	−0.510	.....	.....	.....	13 20–13 25	−0.514	−0.027	+0.046
15		13.5 –13.8	−0.510	+0.023	+0.057	+0.043				
15		14.05	−0.491	.....	.....	.....				
15		17.4 –17.65	−0.482	+0.031	+0.069	+0.049	17 45–19 55	−0.486	−0.019	+0.048
15		20.0 –20.2	.....	+0.027	+0.035	+0.027				
15	Ep.	6.7 – 7.2	−0.509	+0.038	+0.021	+0.007	6 0– 7 45	−0.513	+0.010	+0.035
16		12.9 –13.2	−0.533	+0.041	+0.043	+0.098	13 20–13 30	−0.518	−0.019	+0.088
16		18.2 –18.5	−0.508	+0.068	+0.043	+0.062	18 21	−0.516	−0.006	+0.090
16		20.1 –20.6	−0.526	+0.037	+0.053	+0.046	20 21	−0.516	−0.006	+0.058
16	M.	6.5 – 7.8	−0.532	+0.053	+0.075	+0.077	6 35– 7 25	−0.531	−0.025	+0.090
16		13.2 –13.6	−0.507	+0.093	+0.083	+0.093	13 25–14 5	−0.504	−0.008	+0.130
17	P.	3.9 – 4.2	−0.523	+0.005	+0.037	+0.030	4 15– 6 5	−0.522	−0.024	+0.027
17		6.25– 6.4	.....	+0.007	+0.031	+0.043				
17		13.3	−0.507	.....	.....	.....				
18		13.7 –13.9	−0.498	+0.040	+0.041	+0.011	13 30–13 35	−0.510	0.000	+0.041
18		14.3	−0.487	.....	.....	.....				
18		19.1 –19.2	.....	−0.009	+0.012	−0.007	19 20–20 55	−0.489	−0.002	−0.009
18		21.1 –21.35	−0.486	−0.002	−0.009	−0.011				
20	P.	21.3 –21.6	−0.510	−0.042	+0.005	+0.003	21 45–22 40	−0.510	−0.034	−0.028
20		22.9 –23.05	.....	−0.046	+0.011	+0.013				
20	M.	6.0 – 7.5	−0.510	−0.034	+0.008	+0.053	6 55– 8 15	−0.503	−0.040	0.000
20		7.8 – 8.1	.....	−0.031	+0.031	+0.038				
21		13.4 –13.8	−0.523	+0.030	+0.040	+0.069	13 40–13 50	−0.516	−0.019	+0.063
21		18.1 –18.2	−0.499	−0.014	+0.030	+0.021	18 0–18 5	−0.501	−0.030	+0.004
25	P.	1.6 – 2.2	−0.551	−0.024	+0.046	+0.057	2 0– 2 5	−0.548	−0.053	+0.017
25		4.5 – 4.7	.....	−0.001	+0.053	+0.079	2 20– 4 20	−0.546	−0.050	+0.032
25		13.7	−0.536	.....	.....	.....	14 0–14 5	−0.536	−0.030	+0.049
26		14.15–14.5	−0.544	+0.015	+0.047	+0.062				
26		14.7	−0.513	.....	.....	.....				

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Oct. 26	P.	2.3 – 2.6	−0.542	−0.004	+0.006	+0.062	2 27	−0.528	−0.019	+0.037
26		4.35– 4.5	.....	−0.011	+0.046	+0.091	4 25	−0.528	−0.052	+0.037
27	M.	3.5 – 4.8	−0.540	−0.010	+0.030	+0.095	3 50– 6 5	−0.523	−0.048	+0.036
27		5.7 – 6.1	.....	−0.028	+0.026	+0.091				
28		13.7 –13.9	−0.523	+0.045	+0.086	+0.102	14 5–14 15	−0.519	−0.042	+0.097
28		21.0 –22.3	−0.510	+0.018	+0.068	+0.055	21 5–22 10	−0.513	−0.039	+0.051
28	P.	3.5 – 3.8	−0.514	+0.008	+0.072	+0.047	4 0– 5 15	−0.520	−0.046	+0.034
28		5.4 – 5.55	.....	−0.001	+0.066	+0.043				
28		13.7 –13.9	−0.513	+0.024	+0.050	+0.073	13 20–13 30	−0.507	−0.029	+0.062
29		14.4	−0.545	.....	.....	.....	14 10–14 20	−0.539	−0.078	+0.045
29		14.9 –15.6	−0.548	−0.034	+0.052	+0.126	15 15–15 20	−0.528	−0.078	+0.045
29		19.65–19.95	−0.472	+0.008	+0.020	−0.032	20 5–21 45	−0.479	−0.008	−0.004
29		21.9 –22.0	.....	−0.011	+0.014	+0.014				
29	Ep.	4.9 – 5.4	−0.490	−0.028	+0.026	+0.004	5 30– 6 35	−0.494	−0.034	−0.014
29		6.9 – 7.2	.....	−0.028	+0.026	+0.013				
30		14.6 –15.1	−0.465	+0.001	+0.046	+0.057	14 15–14 20	−0.462	−0.037	+0.036
30		21.3 –21.9	−0.464	−0.050	+0.027	+0.010	21 5–22 20	−0.468	−0.048	−0.031
30	M.	4.2 – 4.7	−0.495	−0.059	−0.034	+0.011	4 0– 7 10	−0.484	−0.034	−0.051
30		6.6 – 6.9	.....	−0.083	−0.014	+0.019				
31		13.9 –14.1	−0.512	−0.018	+0.014	+0.043	14 20–14 25	−0.505	−0.029	+0.009
31		20.3 –21.3	−0.497	−0.014	+0.025	−0.003	20 25–21 45	−0.504	−0.022	−0.009
Nov. 2	P.	7.0 – 7.8	−0.543	+0.075	+0.157	+0.147	7 5	−0.543	−0.068	+0.151
2		10.4 –10.55	.....	+0.129	+0.184	+0.194	10 28	−0.543	−0.068	+0.222
3	M.	7.1 – 8.5	−0.559	+0.119	+0.299	+0.246	7 10– 8 50	−0.568	−0.148	+0.245
3		8.6 – 8.9	.....	+0.093	+0.271	+0.261				
3		11.2 –11.3	.....	+0.119	+0.329	+0.312	11 0–11 5	−0.563	−0.177	+0.290
4		14.0 –14.2	−0.584	+0.106	+0.256	+0.267	14 35–14 40	−0.581	−0.136	+0.250
4		23.7 – 0.5	−0.581	+0.073	+0.159	+0.166	23 55– 0 40	−0.579	−0.079	+0.160
4	Ep.	8.6 – 9.1	−0.571	+0.104	.....	+0.175	8 10–12 0	−0.555	−0.074	+0.215
4		12.1 –12.5	−0.545	+0.118	+0.188	+0.198				
5		14.9 –15.2	−0.528	+0.126	+0.166	+0.143	15 55–16 0	−0.534	−0.045	+0.190
5		20.3 –21.3	−0.519	+0.076	+0.083	+0.104	20 5–21 45	−0.514	−0.022	+0.122
7	P.	8.8 – 9.1	.....	−0.008	+0.142	+0.108	8 59	−0.498	−0.108	+0.060
7		9.9 –10.2	−0.489	+0.003	+0.112	+0.076	10 3	−0.498	−0.077	+0.060
7		14.7	−0.516	.....	.....	.....	14 50–15 0	−0.520	−0.087	+0.025
8		15.0 –15.35	−0.535	−0.041	+0.072	+0.094				
8		15.6	−0.528	.....	.....	.....				
8		19.95–20.3	−0.539	−0.039	+0.144	+0.136	20 25–22 5	−0.542	−0.124	+0.049
8		22.25–22.4	.....	−0.035	+0.120	+0.107				
8	Ep.	8.5 – 9.8	−0.519	+0.018	+0.114	+0.093	8 10– 9 30	−0.524	−0.073	+0.075
10	M.	13.6 –14.0	−0.534	+0.072	+0.173	+0.169	13 20–13 30	−0.535	−0.092	+0.158
10		14.8	.....	+0.062	.....	.....	15 5–16 35	−0.511	−0.115	+0.134
11		16.7 –17.0	−0.500	+0.040	+0.194	+0.154				
11		17.0	.....	+0.046	.....	.....				
11		20.8 –21.8	−0.494	+0.027	+0.133	+0.151	21 5–22 40	−0.489	−0.090	+0.114
11	P.	7.6 – 7.9	−0.494	+0.004	+0.170	+0.094	7 44	−0.510	−0.112	+0.071
11		9.9 –10.0	.....	+0.023	+0.175	+0.128	9 57	−0.510	−0.112	+0.103
11		13.75–14.1	−0.481	+0.020	+0.200	+0.151	13 20–13 30	−0.494	−0.133	+0.116
12		15.3 –15.6	−0.490	−0.030	+0.194	+0.179	15 5–15 15	−0.494	−0.161	+0.097
12		15.8	−0.476	.....	.....	.....				
12		20.0 –20.25	−0.474	−0.034	+0.150	+0.125	20 25–21 45	−0.486	−0.124	+0.044
12		21.9 –22.0	.....	−0.030	+0.143	+0.078				
		Object glass cleaned. Collimation adjusted.								

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
Nov. 15	P.	15.6 −16.05	−0.583	+0.066	+0.155	+0.174	15 20–15 25	−0.578	−0.083	+0.158
15		20.1 −20.35	−0.599	+0.050	+0.159	+0.146	20 35–22 20	−0.610	−0.085	+0.128
15		22.5 −22.7	−0.620	+0.041	+0.135	+0.148				
15	Ep.	13.7 −14.2	−0.617	+0.074	+0.246	+0.252	13 20–13 30	−0.615	−0.146	+0.215
15		15.1 −15.3	−0.619	+0.066	+0.215	+0.231	15 25–15 30	−0.615	−0.129	+0.194
16		21.3 −22.4	−0.586	+0.101	+0.228	+0.213	21 25–23 15	−0.596	−0.110	+0.213
16		23.4	−0.598	.....	.....	.....				
17	P.	22.1 −22.35	−0.610	+0.113	+0.241	+0.213	22 35– 0 20	−0.619	−0.120	+0.226
17		0.45– 0.7	−0.631	+0.084	+0.224	+0.262				
18	M.	22.2 −22.5	−0.612	+0.114	+0.292	+0.229	22 35– 0 0	−0.622	−0.146	+0.249
18		23.7 − 0.3	−0.627	+0.096	+0.257	+0.303				
18	Ep.	9.7 − 9.9	.....	+0.213	+0.389	+0.213	9 10–10 30	−0.704	−0.130	+0.318
18		10.7	−0.650	.....	.....	.....				+0.301
18		13.7 −13.9	−0.631	+0.114	+0.338	+0.337	13 20–13 30	−0.631	−0.191	+0.311
19		15.9 −16.2	−0.619	+0.138	+0.293	+0.330	15 35–15 45	−0.609	−0.150	+0.282
19		17.4	.....	+0.101	.....	.....	17 10–17 15	−0.609	−0.173	+0.226
19		23.4 −23.7	−0.579	+0.090	+0.242	+0.235	23 0– 3 45	−0.580	−0.130	+0.236
19		2.7 − 3.5	−0.571	+0.108	+0.263	+0.236	3 55– 4 0	−0.578	−0.131	.....
19	P.	7.6 − 7.95	−0.599	+0.085	+0.233	+0.239	8 10– 9 25	−0.598	−0.130	+0.219
19		9.6 − 9.9	−0.601	+0.088	+0.235	+0.246				
20		15.9 −16.2	−0.545	+0.123	+0.212	+0.283	15 40–15 45	−0.526	−0.104	+0.226
20		0.15– 0.5	−0.555	+0.050	+0.170	+0.172	0 50– 4 0	−0.554	−0.112	+0.160
20		3.5 − 4.3	−0.567	+0.044	+0.180	+0.229				
20	M.	9.0 −10.3	−0.587	+0.063	+0.168	+0.174	9 25	−0.573	−0.092	+0.158
20		13.6 −14.0	−0.568	+0.066	+0.211	+0.244	13 49	−0.573	−0.133	+0.201
21		15.9 −16.2	−0.521	+0.120	+0.243	+0.188	15 45–15 50	−0.536	−0.102	+0.218
21		17.5	.....	+0.059	.....	.....	17 20–17 25	−0.536	−0.140	+0.170
21		0.9 − 2.2	−0.524	+0.024	+0.120	+0.115	1 20– 4 0	−0.531	−0.080	+0.092
21		3.4 − 3.6	.....	+0.032	+0.147	+0.097				
22	P.	16.0 −16.3	−0.530	+0.056	+0.162	+0.181	15 50–15 55	−0.525	−0.096	+0.155
22		22.3 −22.8	−0.527	+0.031	+0.135	+0.167	22 35– 3 45	−0.527	−0.105	+0.122
22		0.9 − 1.1	.....	+0.023	+0.157	+0.132				
22		3.5 − 4.3	−0.526	+0.035	+0.191	+0.170	3 55– 4 0	−0.531	−0.121	+0.136
22	Ep.	9.5 −10.4	−0.561	+0.035	+0.164	+0.155	9 20–13 30	−0.564	−0.102	+0.126
22		13.7 −14.0	−0.569	+0.033	+0.151	+0.164				
23		16.1 −16.4	−0.551	+0.058	+0.165	+0.141	15 50–17 30	−0.557	−0.086	+0.136
23		17.7	.....	+0.043	.....	.....				
23		1.2 − 2.3	−0.568	+0.038	+0.152	+0.160	1 5– 2 5	−0.566	−0.096	+0.129
24	M.	3.6 − 4.7	−0.642	+0.043	+0.237	+0.232	3 47	−0.642	−0.158	+0.180
24		5.0 − 5.3	.....	+0.085	+0.273	+0.274	5 9	−0.642	−0.158	+0.238
24		13.6 −13.9	−0.628	+0.089	+0.253	+0.298	13 20–13 30	−0.616	−0.152	+0.252
25		16.3 −16.5	−0.599	+0.114	+0.269	+0.275	16 0–16 10	−0.597	−0.139	+0.261
25		23.5 − 0.4	−0.609	+0.085	+0.259	+0.259	23 55– 1 35	−0.610	−0.145	+0.234
25		1.2 − 1.7	.....	+0.100	+0.264	+0.258				
25	P.	5.1 − 5.4	−0.629	+0.069	+0.249	+0.303	5 35– 7 0	−0.618	−0.164	+00.25
25		7.2 − 7.3	.....	+0.094	+0.278	+0.306				
25		13.7 −13.95	−0.620	+0.119	+0.296	+0.319	13 20–13 30	−0.614	−0.161	+0.290
25		15.8	−0.592	.....	.....	.....	16 5–16 15	−0.594	−0.149	+0.275
26		16.3 −16.55	−0.603	+0.117	+0.281	+0.297				
26		17.25	−0.611	.....	.....	.....				
26		20.7 −20.95	−0.599	+0.098	+0.260	+0.285	21 10–22 40	−0.597	−0.156	+0.252
26		22.8 −22.95	.....	+0.095	+0.289	+0.282				
26	Ep.	6.5 − 7.5	−0.632	+0.086	+0.301	+0.278	6 45– 8 25	−0.638	−0.176	+0.244
27		16.5 −17.2	−0.603	+0.120	+0.298	+0.283	16 10–16 15	−0.607	−0.153	+0.272

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1912		h h	s	s	s	s	h m h m	s	s	s
Nov. 28	P.	6.75- 7.15	−0.666	+0.146	+0.410	+0.392	7 20- 9 0	−0.670	−0.226	+0.374
28		9.2 - 9.3	.....	+0.161	+0.429	+0.413				
28		13.7 -14.0	−0.684	+0.154	+0.428	+0.478	13 20-13 30	−0.671	−0.247	+0.414
29		16.5 -16.85	−0.649	+0.166	+0.412	+0.507	16 20-16 25	−0.624	−0.237	+0.438
29		17.8	.....	+0.155	.....	.....	17 35-17 40	−0.624	−0.245	+0.429
29		23.45-23.7	−0.631	+0.140	+0.371	+0.420	0 0- 1 35	−0.620	−0.216	+0.364
29		1.75- 1.9	.....	+0.133	+0.382	+0.412				
29	Ep.	9.0 - 9.6	−0.641	+0.133	+0.411	+0.398	9 25-11 15	−0.640	−0.228	+0.362
29		11.0 -11.5	−0.636	+0.146	+0.407	+0.407				
29		13.7 -14.1	−0.611	+0.136	+0.422	+0.377	13 20-13 30	−0.623	−0.233	+0.347
30		16.75-17.0	−0.569	+0.147	+0.392	+0.423	16 25-16 30	−0.560	−0.219	+0.377
30		0.5 - 1.1	−0.575	+0.114	+0.331	+0.309	1 20- 3 55	−0.585	−0.191	+0.292
30		3.1 - 3.5	−0.585	+0.110	+0.352	+0.337				
30	P.	7.05- 9.0	−0.629	+0.094	+0.293	+0.345	9 20-11 15	−0.619	−0.176	+0.299
30		11.4 -11.5	.....	+0.130	+0.318	+0.343				
Dec. 2	P.	8.6 - 8.95	−0.599	+0.048	+0.268	+0.273	8 42	−0.590	−0.178	+0.208
2		12.75-13.0	−0.591	+0.069	+0.275	+0.309	12 52	−0.590	−0.178	+0.244
3		16.8 -17.1	−0.581	+0.087	+0.264	+0.269	16 35-16 45	−0.580	−0.152	+0.235
3		22.3 -22.8	−0.572	+0.066	+0.252	+0.266	22 35- 1 35	−0.575	−0.159	+0.204
3		1.7 - 1.9	.....	+0.059	+0.264	+0.229				
3	Ep.	3.7 - 4.8	−0.588	+0.066	+0.263	+0.294	3 50- 5 55	−0.582	−0.173	+0.229
3		5.7 - 6.0	.....	+0.061	+0.274	+0.284				
			North mark lens adjusted.							
8	M.	9.8 -10.6	−0.636	+0.146	+0.381	+0.334	10 9	−0.654	−0.202	+0.328
8		12.6 -12.9	−0.645	+0.161	+0.417	+0.359	12 49	−0.654	−0.202	+0.358
							13 20-13 30	−0.660	−0.210	+0.358
9		16.6 -17.5	−0.661	+0.180	+0.385	+0.413	17 0-17 10	−0.654	−0.193	+0.396
9		23.4 -23.6	−0.648	+0.175	+0.464	+0.420	23 55- 1 35	−0.656	−0.242	+0.412
9		1.2 - 1.7	.....	+0.177	+0.459	+0.442				
9	P.	10.0 -10.3	−0.665	+0.172	+0.445	+0.490	10 9	−0.656	−0.248	+0.437
9		13.65-13.8	.....	+0.181	+0.502	+0.527	13 44	−0.656	−0.283	+0.468
10		17.35-17.65	−0.644	+0.202	+0.470	+0.525	17 5-17 15	−0.629	−0.251	+0.482
10		21.8 -22.1	−0.618	+0.202	+0.411	+0.457	21 56	−0.607	−0.210	+0.439
10		23.8 -23.95	.....	+0.151	+0.389	+0.427	23 52	−0.607	−0.210	+0.381
11	M.	10.0 -10.7	−0.629	+0.108	+0.329	+0.310	10 45-12 20	−0.633	−0.190	+0.282
11		11.9 -12.4	.....	+0.099	+0.334	+0.324				
12		16.8 -17.0	−0.641	+0.140	+0.380	+0.368	17 15-17 25	−0.644	−0.205	+0.342
12		20.1 -20.3	−0.660	+0.129	+0.394	+0.388	20 40-20 45	−0.662	−0.224	+0.345
12		2.0 - 2.4	−0.674	+0.136	+0.440	+0.459	2 35- 4 0	−0.672	−0.268	+0.390
12		4.1 - 4.2	.....	+0.133	+0.467	+0.451				
12	P.	10.1 -10.5	−0.691	+0.147	+0.554	+0.553	10 18	−0.688	−0.339	+0.462
12		13.65-13.85	.....	+0.150	+0.588	+0.613	13 46	−0.688	−0.369	+0.498
13		17.55-17.9	−0.683	+0.197	+0.562	+0.600	17 20-17 25	−0.673	−0.322	+0.526
13		21.75-22.0	−0.647	+0.204	+0.553	+0.599	21 30- 1 35	−0.637	−0.315	+0.518
13		1.75- 1.9	.....	+0.186	+0.551	+0.581				
13	Ep.	3.6 - 4.7	−0.642	+0.179	+0.564	+0.576	3 45- 3 50	−0.639	−0.329	+0.500
13		5.4 - 5.7	.....	+0.173	+0.583	+0.561	3 55- 5 15	−0.644	−0.334	+0.494
13		13.2 -14.2	−0.664	+0.158	+0.596	+0.580	13 20-13 30	−0.668	−0.360	+0.489
14		17.6 -17.9	−0.603	+0.208	+0.567	+0.521	17 25-17 30	−0.615	−0.300	+0.494
14		22.6 -22.9	−0.560	+0.181	+0.497	+0.435	22 15-22 20	−0.576	−0.260	+0.421
14		1.2 - 1.8	.....	+0.158	+0.497	+0.447	0 40- 3 0	−0.581	−0.270	+0.409
14		3.2 - 3.5	−0.569	+0.152	+0.491	+0.433	3 45- 3 50	−0.584	−0.273	+0.397
15	P.	22.5 -22.8	−0.577	+0.140	+0.394	+0.432	23 0- 1 30	−0.564	−0.240	+0.363
15		1.75- 1.9	.....	+0.100	+0.387	+0.444				
16	P.	23.2 -23.5	−0.545	+0.107	+0.361	+0.360	23 45- 1 25	−0.545	−0.212	+0.312
16		1.6 - 1.75	.....	+0.112	+0.361	+0.362				
16		13.7 -13.95	−0.600	+0.085	+0.407	+0.399	13 20-13 30	−0.602	−0.262	+0.318

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1912		h h	s	s	s	s	h m h m	s	s	s
Dec. 19	P.	0. 8 – 1. 1	−0. 577	+0. 075	+0. 326	+0. 284	0 56	−0. 586	−0. 186	+0. 242
19		3. 9 – 4. 1	.....	+0. 116	+0. 326	+0. 297	3 59	−0. 586	−0. 186	+0. 281
20		18. 1 –18. 4	−0. 609	+0. 143	+0. 394	+0. 398	17 50–17 55	−0. 608	−0. 218	+0. 361
20		0. 5 – 1. 75	−0. 587	+0. 139	+0. 361	+0. 388	1 7	−0. 586	−0. 199	+0. 344
20		3. 9 – 4. 05	.....	+0. 124	+0. 403	+0. 385	3 58	−0. 586	−0. 232	+0. 344
20	Ep.	16. 8 –17. 5	−0. 598	+0. 134	+0. 353	+0. 392	16 30–16 35	−0. 587	−0. 198	+0. 347
20		17. 7	.....	+0. 114	.....	.....	17 55–18 0	−0. 587	−0. 210	+0. 331
21		1. 6 – 2. 8	−0. 579	+0. 125	+0. 336	+0. 343	1 25– 4 0	−0. 584	−0. 189	+0. 306
21		3. 5 – 3. 7	.....	+0. 122	+0. 359	+0. 317				
22	Ep.	5. 4 – 6. 1	−0. 624	+0. 158	+0. 466	+0. 438	5 0– 5 5	−0. 631	−0. 257	+0. 402
22		7. 3 – 7. 6	−0. 628	+0. 168	+0. 457	+0. 478	5 50– 7 50	−0. 627	−0. 256	+0. 416
23		18. 3 –18. 6	−0. 638	+0. 180	+0. 481	+0. 505	18 5–18 10	−0. 632	−0. 267	+0. 455
24	P.	18. 3 –18. 55	−0. 641	+0. 168	+0. 472	+0. 501	18 10–18 15	−0. 634	−0. 268	+0. 441
24		22. 9 –23. 4	−0. 635	+0. 175	+0. 494	+0. 492	23 10– 1 30	−0. 636	−0. 282	+0. 448
24		1. 7 – 1. 9	.....	+0. 171	+0. 512	+0. 507				
24		6. 8 – 7. 1	−0. 647	+0. 165	+0. 494	+0. 518	7 10– 8 55	−0. 638	−0. 288	+0. 460
24		9. 05– 9. 2	.....	+0. 170	+0. 496	+0. 543				
25	M.	6. 2 – 7. 5	−0. 611	+0. 184	+0. 504	+0. 476	6 30– 8 30	−0. 616	−0. 272	+0. 454
25		7. 9 – 8. 3	.....	+0. 190	+0. 509	+0. 499				
26		18. 0 –18. 4	−0. 624	+0. 178	+0. 535	+0. 510	18 15–18 25	−0. 633	−0. 298	+0. 462
27	P.	21. 6 –21. 85	−0. 617	+0. 138	+0. 446	+0. 472	21 20–21 25	−0. 610	−0. 266	+0. 401
27		1. 2 – 2. 2	−0. 620	+0. 126	+0. 420	+0. 475	0 35– 2 5	−0. 605	−0. 260	+0. 391
27	Ep.	12. 2 –13. 1	−0. 616	+0. 143	+0. 443	+0. 463	12 0–13 30	−0. 614	−0. 260	+0. 397
27		13. 7 –13. 9	.....	+0. 144	+0. 455	+0. 450				
27		17. 2 –18. 0	−0. 619	+0. 156	+0. 426	+0. 463	16 50–16 55	−0. 609	−0. 241	+0. 408
27		18. 2	.....	+0. 142	.....	.....	18 25–18 35	−0. 609	−0. 250	+0. 397
28		21. 9 –22. 1	−0. 619	+0. 163	+0. 426	+0. 430	21 25–21 30	−0. 618	−0. 230	+0. 397
28		0. 4 – 1. 1	−0. 597	+0. 148	+0. 440	+0. 449	23 35– 1 30	−0. 595	−0. 251	+0. 396
28	P.	7. 55– 8. 1	−0. 606	+0. 151	+0. 469	+0. 404	7 49	−0. 622	−0. 268	+0. 378
28		10. 95–11. 2	−0. 638	+0. 134	+0. 449	+0. 518	11 4	−0. 622	−0. 268	+0. 422
							11 20–11 25	−0. 620	−0. 282	+0. 422
30	P.	11. 1 –11. 4	−0. 610	+0. 123	+0. 403	+0. 414	11 45–13 30	−0. 609	−0. 241	+0. 350
30		13. 7 –13. 85	.....	+0. 118	+0. 409	+0. 405				
1913										
Jan. 1	Ep.	12. 2 –13. 2	−0. 593	+0. 147	+0. 389	+0. 404	12 0–14 50	−0. 588	−0. 216	+0. 361
1		13. 7 –14. 5	.....	+0. 134	+0. 385	+0. 404				
1		17. 5 –18. 5	−0. 599	+0. 153	+0. 397	+0. 446	17 15–17 20	−0. 586	−0. 224	+0. 394
1		18. 7	.....	+0. 155	.....	.....	18 45–18 55	−0. 586	−0. 222	+0. 396
3	P.	7. 1 – 7. 4	−0. 589	+0. 101	+0. 383	+0. 376	7 40– 9 10	−0. 594	−0. 232	+0. 330
3		9. 35– 9. 5	.....	+0. 133	+0. 410	+0. 378				
3		17. 7 –18. 05	−0. 593	+0. 153	+0. 408	+0. 391	17 25–17 30	−0. 597	−0. 217	+0. 367
3		18. 6 –18. 8	.....	+0. 139	+0. 401	+0. 394	18 55–19 5	−0. 597	−0. 224	+0. 357
4		22. 2 –22. 5	−0. 605	+0. 140	+0. 384	+0. 418	22 0–22 5	−0. 596	−0. 218	+0. 368
4		23. 75– 0. 8	.....	+0. 123	+0. 373	+0. 414	23 50– 1 50	−0. 579	−0. 222	+0. 358
4		2. 0 – 2. 3	−0. 569	+0. 136	+0. 402	+0. 395				
5	M.	18. 6 –18. 8	−0. 581	+0. 147	+0. 467	+0. 433	19 5–19 10	−0. 590	−0. 263	+0. 390
7	P.	5. 25– 5. 5	−0. 569	+0. 030	+0. 296	+0. 292	6 15– 7 15	−0. 565	−0. 208	+0. 220
7		7. 4 – 7. 5	.....	+0. 044	+0. 290	+0. 323				
8	M.	11. 8 –12. 4	−0. 606	+0. 070	+0. 449	+0. 424	11 59	−0. 607	−0. 304	+0. 324
8		13. 6 –14. 1	.....	+0. 080	+0. 459	+0. 475	13 49	−0. 607	−0. 304	+0. 358
9		18. 8 –19. 1	−0. 616	+0. 125	+0. 526	+0. 547	19 20–19 25	−0. 611	−0. 335	+0. 438
9		22. 5 –22. 6	−0. 615	+0. 153	+0. 546	+0. 536	22 20–22 25	−0. 618	−0. 327	+0. 457
9		0. 5 – 0. 8	.....	+0. 164	+0. 528	+0. 541	0 36	−0. 604	−0. 324	+0 465
9		2. 2 – 2. 7	−0. 604	+0. 178	+0. 581	+0. 566	2 30	−0. 604	−0. 324	+0. 495
9	Ep.	8. 0 – 9. 0	−0. 622	+0. 199	+0. 601	+0. 610	7 45– 9 25	−0. 620	−0. 340	+0. 544
9		9. 7	.....	+0. 216	.....	.....				

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1913		h h	s	s	s	s	h m h m	s	s	s
Jan. 11	P.	19.7 -19.95	-0.556	+0.218	+0.454	+0.493	19 25-19 35	-0.545	-0.225	+0.476
11		0.9 - 1.2	.....	+0.251	+0.395	+0.378	1 5- 2 5	-0.506	-0.154	+0.432
11		2.3 - 2.6	-0.507	+0.227	+0.384	+0.407				
13	M.	19.1 -19.9	-0.602	+0.121	+0.540	+0.598	19 35-19 45	-0.587	-0.358	+0.463
13		22.4 -22.8	-0.587	+0.131	+0.572	+0.572	22 35-22 40	-0.587	-0.363	+0.461
13		0.4 - 0.6	.....	+0.138	+0.562	+0.569	0 10- 3 25	-0.590	-0.362	+0.465
13		2.2 - 3.2	-0.588	+0.135	+0.592	+0.573				
13	P.	12.3 -12.6	-0.603	+0.203	+0.608	+0.620	12 25	-0.602	-0.356	+0.546
13		14.75-14.9	.....	+0.226	+0.650	+0.647	14 49	-0.602	-0.356	+0.582
14		19.1 -19.5	-0.608	+0.238	+0.669	+0.699	19 40-19 45	-0.600	-0.378	+0.621
14		0.35- 0.6	-0.583	+0.255	+0.645	+0.669	0 55- 3 25	-0.580	-0.346	+0.616
14		3.55- 3.7	.....	+0.263	+0.658	+0.654				
14	Ep.	7.5 - 8.5	-0.599	+0.256	+0.671	+0.658	7 45- 9 25	-0.603	-0.355	+0.614
14		9.7 - 9.9	.....	+0.261	+0.670	+0.651				
15		19.95-20.2	-0.582	+0.296	+0.673	+0.684	19 45-19 50	-0.579	-0.339	+0.659
15		0.2 - 0.7	-0.569	+0.284	+0.601	+0.618	1 0- 3 25	-0.559	-0.289	+0.592
15		2.8 - 4.0	-0.552	+0.272	+0.586	+0.582				
17	P.	20.1 -20.4	-0.569	+0.232	+0.414	+0.553	19 55-20 0	-0.532	-0.207	+0.514
17		0.9 - 1.05	.....	+0.260	+0.443	+0.411	0 58	-0.474	-0.184	+0.463
17		3.2 - 3.6	-0.475	+0.193	+0.394	+0.440	3 28	-0.474	-0.184	+0.421
18	Ep.	3.2 - 4.1	-0.453	+0.173	+0.476	+0.474	2 55- 4 30	-0.450	-0.254	+0.442
18		4.2 - 4.7	.....	+0.190	+0.461	+0.491				
19	M.	5.7 - 6.4	-0.521	+0.166	+0.511	+0.530	5 50- 7 50	-0.519	-0.308	+0.466
19		7.3 - 7.5	.....	+0.168	+0.547	+0.543				
20		19.5 -19.7	-0.507	+0.202	+0.570	+0.566	20 5-20 15	-0.508	-0.316	+0.513
21	P.	20.4 -20.7	-0.538	+0.133	+0.449	+0.477	20 10-20 15	-0.531	-0.272	+0.400
21		6.1 - 6.4	-0.565	+0.145	+0.540	+0.588	6 50- 8 25	-0.558	-0.351	+0.489
21		8.55- 8.7	.....	+0.162	+0.594	+0.598				
21	Ep.	13.2 -14.0	-0.577	+0.187	+0.603	+0.592	13 20-14 50	-0.577	-0.346	+0.523
21		14.6 -15.1	.....	+0.191	+0.592	+0.605				
22		20.5 -20.9	-0.583	+0.185	+0.566	+0.629	20 15-20 20	-0.566	-0.338	+0.533
22		23.5 -23.8	-0.567	+0.215	+0.610	+0.605	23 33	-0.556	-0.337	+0.548
22		1.7 - 2.3	-0.545	+0.201	+0.595	+0.556	1 45	-0.556	-0.337	+0.510
22		3.3 - 3.5	.....	+0.196	+0.600	+0.600	2 0- 3 45	-0.556	-0.337	+0.520
22	M.	6.6 - 7.4	-0.567	+0.182	+0.579	+0.569	6 50- 8 25	-0.575	-0.346	+0.506
22		8.5 - 8.7	.....	+0.188	+0.626	+0.576	9 0- 9 5	-0.580	-0.358	+0.513
25	Ep.	20.7 -21.0	-0.542	+0.154	+0.553	+0.523	20 25-20 35	-0.550	-0.327	+0.452
25		0.9 - 1.1	-0.552	+0.162	+0.550	+0.508	1 15- 1 30	-0.563	-0.317	+0.449
25		6.1 - 6.8	-0.526	+0.174	+0.536	+0.510	5 50- 7 0	-0.533	-0.302	+0.458
25	P.	11.2 -11.5	-0.556	+0.153	+0.554	+0.556	11 50-15 10	-0.558	-0.334	+0.465
25		13.7 -13.85	.....	+0.153	+0.560	+0.544				
25		15.3 -15.6	-0.558	+0.152	+0.548	+0.550				
27	P.	12.8 -13.15	-0.595	+0.126	+0.597	+0.587	13 20-14 50	-0.598	-0.390	
27		15.0 -15.15	.....	+0.120	+0.606	+0.596				+0.468
28		20.1 -20.5	-0.584	+0.147	+0.629	+0.575	20 40-20 45	-0.598	-0.384	+0.481
28		1.2 - 1.8	-0.546	+0.177	+0.600	+0.552	1 15- 3 45	-0.557	-0.348	+0.494
28		4.0 - 4.1	.....	+0.177	+0.602	+0.571				
29	M.	12.6 -13.7	-0.563	+0.193	+0.613	+0.575	13 0-15 30	-0.574	-0.354	+0.516
29		14.9 -15.5	.....	+0.188	+0.629	+0.582				
30		20.4 -20.6	-0.550	+0.201	+0.649	+0.610	20 45-20 55	-0.561	-0.371	+0.544
30		5.5 - 6.1	-0.535	+0.199	+0.503	+0.448	5 50- 7 15	-0.552	-0.258	+0.441
30		7.1 - 7.4	.....	+0.196	+0.514	+0.448				
30	P.	13.0 -13.2	.....	+0.198	+0.497	+0.473	13 20-14 50	-0.546	-0.259	+0.454
30		15.05-15.35	-0.542	+0.191	+0.494	+0.487				
31		21.1 -21.4	-0.542	+0.223	+0.506	+0.514	20 50-21 0	-0.540	-0.256	+0.495

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1913		h h	s	s	s	s	h m h m	s	s	s
Jan 31	M.	12.8 –14.0	−0.531	+0.123	+0.497	+0.460	13 20–14 50	−0.541	−0.300	+0.387
31		14.3 –14.4	.....	+0.123	+0.493	+0.457				
Feb. 1		20.2 –20.6	−0.569	+0.133	+0.452	+0.438	20 55–21 5	−0.573	−0.265	+0.379
4	P.	6.1 – 6.5	−0.584	+0.187	+0.648	+0.623	6 35– 7 45	−0.594	−0.388	+0.542
4		7.9 – 8.1	.....	+0.184	+0.666	+0.633				
4		13.0 –13.65	−0.607	+0.170	+0.636	+0.654	13 20–13 30	−0.602	−0.392	+0.541
4		20.65–21.1	−0.613	+0.167	+0.635	+0.657	20 55–21 0	−0.607	−0.394	+0.541
5		21.4	−0.598	.....	.....	.....	21 10–21 20	−0.591	−0.394	+0.541
5		21.85– 0.5	−0.596	+0.192	+0.662	+0.586	0 10– 0 15	−0.588	−0.377	+0.526
5		2.05– 2.3	−0.587	+0.182	+0.648	+0.643	2 10	−0.588	−0.389	+0.542
5		4.55– 4.7	.....	+0.153	+0.672	+0.664	4 37	−0.588	−0.425	+0.542
6	M.	20.6 –21.1	−0.623	+0.133	+0.617	+0.665	21 15–21 25	−0.610	−0.407	+0.517
6		0.4 – 0.6	−0.602	+0.152	+0.673	+0.674	0 10– 0 15	−0.602	−0.429	+0.541
6		6.0 – 7.1	−0.617	+0.180	+0.730	+0.706	6 15– 7 45	−0.623	−0.450	+0.586
6	P.	12.85–13.2	−0.638	+0.164	+0.760	+0.784	13 20–14 50	−0.636	−0.492	+0.614
6		15.1 –15.25	.....	+0.168	+0.766	+0.762				
6		20.65–21.0	−0.628	+0.191	+0.772	+0.764	21 20–21 25	−0.628	−0.479	+0.629
7		21.55	−0.625	.....	.....	.....				
7		21.95– 0.7	−0.605	+0.215	+0.736	+0.733	0 15– 0 20	−0.596	−0.437	+0.627
7		2.45– 2.75	−0.584	+0.203	+0.740	+0.739	1 20– 4 20	−0.588	−0.440	+0.616
7		4.5 – 4.7	.....	+0.213	+0.734	+0.703				
9	M.	12.7 –13.2	.....	+0.191	+0.711	+0.663	13 0–15 10	−0.590	−0.425	+0.580
9		14.0 –15.2	−0.578	+0.202	+0.726	+0.684				
10		21.1 –21.3	−0.595	+0.181	+0.698	+0.681	21 30–21 40	−0.599	−0.426	+0.571
10		6.8 – 6.9	−0.592	+0.188	+0.699	+0.688	6 15– 7 0	−0.595	−0.424	+0.580
12	Ep.	21.9 –22.3	−0.599	+0.187	+0.492	+0.502	21 40–21 45	−0.596	−0.268	+0.460
12		2.5 – 2.8	−0.590	+0.193	+0.609	+0.631	2 10– 2 15	−0.584	−0.357	+0.544
12		5.7 – 6.4	−0.616	+0.164	+0.675	+0.643	5 50– 7 45	−0.634	−0.420	+0.542
12		7.3 – 7.9	−0.651	+0.154	+0.662	+0.689				
13	M.	21.3 –21.5	−0.658	+0.234	+0.807	+0.868	21 45–21 50	−0.642	−0.495	+0.721
13		1.2 – 1.3	.....	.....	+0.828	+0.771	3 0– 3 5	−0.637	−0.464	+0.696
13		3.2 – 3.5	−0.621	+0.260	+0.811	+0.786	3 18	−0.637	−0.461	+0.699
13		6.8 – 7.1	−0.643	+0.217	+0.811	+0.791	7 0	−0.637	−0.490	+0.668
13	P.	12.8 –13.15	−0.676	+0.216	+0.811	+0.862	13 20–15 35	−0.666	−0.519	+0.709
13		15.75–15.9	.....	+0.214	+0.849	+0.877				
13		21.3 –21.7	−0.633	+0.240	+0.893	+0.873	21 50–21 55	−0.638	−0.525	+0.738
14		21.95–22.2	−0.651	.....	+0.836	+0.887				
14		22.5 – 1.1	−0.628	+0.228	+0.783	+0.802	0 40– 0 45	−0.609	−0.470	+0.678
14		2.95– 3.1	.....	+0.219	+0.763	+0.792	1 5	−0.604	−0.461	+0.671
14		4.7 – 5.0	−0.581	+0.237	+0.769	+0.772	4 54	−0.580	−0.461	+0.671
14	Ep.	13.2 –14.4	−0.583	+0.235	+0.775	+0.749	13 0–15 45	−0.592	−0.455	+0.650
14		15.8 –16.1	.....	+0.223	+0.784	+0.742				
15		21.6 –22.2	−0.581	+0.243	+0.745	+0.746	21 50–22 0	−0.581	−0.427	+0.657
15		5.2 – 6.0	−0.531	+0.245	+0.702	+0.704	5 0– 7 45	−0.537	−0.392	+0.623
15		7.3 – 7.5	.....	+0.246	+0.714	+0.665				
16	M.	6.0 – 6.8	−0.511	+0.226	+0.666	+0.626	6 5– 7 45	−0.522	−0.374	+0.568
16		7.5 – 7.8	.....	+0.212	+0.672	+0.629				
17	M.	6.7 – 7.5	−0.541	+0.192	+0.674	+0.658	6 15– 7 25	−0.545	−0.400	+0.564
17	P.	13.0 –13.2	.....	+0.168	+0.652	+0.669	13 5	−0.570	−0.409	+0.548
17		16.4 –16.65	−0.571	+0.194	+0.688	+0.683	16 31	−0.570	−0.409	+0.581
17		21.4 –21.8	−0.580	+0.195	+0.643	+0.639	22 5–22 10	−0.586	−0.377	+0.554
18		22.2	−0.590	.....	.....	.....				
18		22.8 – 1.6	−0.578	+0.205	+0.643	+0.722	0 55– 1 50	−0.579	−0.389	+0.604
18		6.35– 6.5	.....	+0.188	+0.590	+0.670	6 25	−0.560	−0.358	+0.557
18		8.6 – 8.9	−0.576	+0.172	+0.636	+0.678	8 44	−0.560	−0.396	+0.557

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	*b*	a_n	a_s		*c*	*n*	*m*
1913		h h	s	s	s	s	h m h m	s	s	s
Feb. 18	Ep.	13. 6 -14. 2	-0. 588	+0. 172	+0. 680	+0. 678	13 20-15 35	-0. 588	-0. 413	+0. 568
18		14. 9 -15. 4	.....	+0. 194	+0. 677	+0. 678				
18		21. 9 -22. 3	-0. 542	+0. 223	+0. 662	+0. 693	22 5-22 15	-0. 533	-0. 381	+0. 606
19		0. 6 - 1. 2	-0. 533	+0. 235	+0. 575	+0. 622	1 0- 1 30	-0. 520	-0. 309	+0. 569
19		7. 5 - 8. 5	-0. 490	+0. 211	+0. 568	+0. 525	7 20- 9 30	-0. 503	-0. 302	+0. 498
19		9. 1 - 9. 2	.....	+0. 210	+0. 576	+0. 523				
20	P.	22. 1	-0. 475	.....	.....	.....	22 15-22 20	-0. 482	-0. 306	+0. 470
21		22. 45-22. 75	-0. 478	+0. 180	+0. 545	+0. 523				
21		22. 85	-0. 443	.....	.....	.....				
21		3. 4 - 3. 65	-0. 463	+0. 196	+0. 483	+0. 497	3 50- 4 55	-0. 434	-0. 262	+0. 452
21		5. 1 - 5. 3	.....	+0. 171	+0. 483	+0. 488				
22	P.	11. 3 -11. 7	-0. 433	+0. 124	+0. 574	+0. 524	11 23	-0. 454	-0. 357	+0. 431
22		13. 7 -13. 9	.....	+0. 174	+0. 586	+0. 475	13 47	-0. 454	-0. 284	+0. 492
24	P.	14. 9 -15. 1	.....	+0. 206	+0. 625	+0. 639	15 10-16 15	-0. 608	-0. 374	+0. 572
24		16. 5 -16. 8	-0. 608	+0. 216	+0. 675	+0. 661				
24		21. 85-22. 25	-0. 623	+0. 201	+0. 700	+0. 717	22 30-22 35	-0. 608	-0. 422	+0. 604
25		22. 7	-0. 602	.....	.....	.....				
25		23. 1 - 1. 9	-0. 578	+0. 227	+0. 688	+0. 706	1 25- 6 20	-0. 570	-0. 401	+0. 628
25		3. 8 - 4. 1	-0. 563	+0. 240	+0. 697	+0. 705				
25		6. 5 - 6. 7	.....	+0. 249	+0. 743	+0. 701				
25	Ep.	15. 6 -16. 3	-0. 589	+0. 243	+0. 743	+0. 743	15 0-16 55	-0. 592	-0. 432	+0. 652
25		16. 7 -17. 1	.....	+0. 232	+0. 759	+0. 739				
27	P.	13. 7 -14. 05	-0. 545	+0. 181	+0. 450	+0. 449	13 20-17 5	-0. 542	-0. 248	+0. 426
27		16. 75-17. 2	.....	+0. 162	+0. 458	+0. 485				
27		22. 6	-0. 524	.....	.....	.....	22 40-22 50	-0. 514	-0. 279	+0. 414
28		22. 85-23. 2	-0. 507	+0. 146	+0. 475	+0. 479				
28		23. 4 -23. 75	-0. 443	+0. 092	.....	.....	23 30-23 35	-0. 442	-0. 307	+0. 379
28		4. 15- 4. 4	-0. 410	+0. 153	+0. 466	+0. 509	4 17	-0. 412	-0. 276	+0. 426
28		6. 0 - 6. 2	.....	+0. 144	+0. 536	+0. 478	6 5	-0. 412	-0. 313	+0. 426
Mar. 2	M.	13. 7 -15. 0	-0. 564	+0. 189	+0. 713	+0. 693	13 20-14 50	-0. 569	-0. 431	+0. 584
2		22. 3 -22. 6	-0. 548	+0. 204	+0. 732	+0. 729	22 55-23 55	-0. 549	-0. 441	+0. 616
3		5. 5 - 6. 0	-0. 506	+0. 242	+0. 643	+0. 548	5 20- 6 40	-0. 532	-0. 328	+0. 542
5	Ep.	22. 5 -22. 9	-0. 479	+0. 208	+0. 578	+0. 565	23 0-23 5	-0. 482	-0. 316	+0. 518
5		22. 9 - 1. 0	-0. 497	+0. 193	+0. 536	+0. 610	0 0- 1 45	-0. 478	-0. 313	+0. 525
5		5. 7 - 6. 4	-0. 462	+0. 210	+0. 595	+0. 533	5 50- 7 25	-0. 476	-0. 322	+0. 506
5		6. 8 - 7. 2	.....	+0. 199	+0. 593	+0. 556				
6	M.	22. 5 -22. 7	-0. 510	+0. 181	+0. 595	+0. 625	23 5-23 10	-0. 502	-0. 356	+0. 530
6		0. 3 - 0. 6	-0. 486	+0. 201	+0. 572	+0. 599	0 5- 1 55	-0. 476	-0. 324	+0. 533
6		1. 6	.....	.....	+0. 562	+0. 613				
6		5. 0 - 6. 0	-0. 535	+0. 192	+0. 571	+0. 594	5 10- 6 20	-0. 535	-0. 335	+0. 505
6		6. 1 - 6. 2	.....	.....	+0. 586	+0. 563				
6	P.	13. 7 -14. 05	-0. 603	+0. 212	+0. 649	+0. 652	13 20-15 35	-0. 604	-0. 362	+0. 584
6		15. 75-15. 95	.....	+0. 245	+0. 657	+0. 640				
7		22. 3 -22. 95	-0. 600	+0. 237	+0. 757	+0. 716	23 10-23 15	-0. 611	-0. 431	+0. 638
7		0. 4 - 0. 75	-0. 597	+0. 245	+0. 696	+0. 741	0 10- 0 15	-0. 585	-0. 398	+0. 651
7		2. 2 - 2. 35	.....	+0. 251	+0. 724	+0. 744	1 25- 2 5	-0. 578	-0. 410	+0. 660
7		4. 65- 4. 9	-0. 583	+0. 258	+0. 703	+0. 746	4 46	-0. 582	-0. 393	+0. 658
7		6. 75- 6. 9	.....	+0. 250	+0. 761	+0. 720	6 49	-0. 582	-0. 426	+0. 658
11	Ep.	12. 9 -14. 4	-0. 517	+0. 169	+0. 529	+0. 513	13 20-15 35	-0. 520	-0. 310	+0. 466
11		15. 3 -15. 8	.....	+0. 174	+0. 550	+0. 544				
12		23. 0 -23. 3	-0. 535	+0. 161	+0. 573	+0. 608	23 25-23 35	-0. 525	-0. 352	+0. 504
12		0. 9 - 2. 4	-0. 519	+0. 217	+0. 562	+0. 528	1 25- 2 50	-0. 528	-0. 298	+0. 499
12		2. 5	.....	+0. 204	.....	.....				
12		6. 2 - 7. 1	-0. 504	+0. 166	+0. 497	+0. 501	6 15- 7 15	-0. 503	-0. 283	+0. 443

TABLE IV.—*The Constants c, b, a, n, and m*—Continued.

Date.	Observer.	Sidereal Time.	Observed.				Sidereal Time.	Adopted.		
			c	b	a_n	a_s		c	n	m
1913		h h	s	s	s	s	h m h m	s	s	s
Mar. 16	M.	7.0 – 7.9	−0.495	+0.113	+0.546	+0.495	6 45– 6 50	−0.509	−0.343	+0.404
16		8.3 – 8.7	.....	+0.108	+0.543	+0.459	7 10– 8 25	−0.513	−0.340	+0.393
17		23.1 –23.5	−0.519	+0.146	+0.558	+0.533	23 45–23 50	−0.525	−0.337	+0.452
17		7.4 – 8.0	−0.506	+0.130	+0.578	+0.552	7 20– 8 55	−0.512	−0.362	+0.453
17		8.5 – 9.0	.....	+0.133	+0.576	+0.555				
17	P.	13.8 –14.25	−0.532	+0.152	+0.600	+0.629	13 20–15 35	−0.530	−0.384	+0.515
17		15.75–15.9	.....	+0.163	+0.635	+0.624				
17		23.3 –23.7	−0.505	+0.177	+0.611	+0.664	23 50–23 55	−0.479	−0.376	+0.550
18		23.9	−0.481	.....	.....	.....				
18		0.65– 2.2	−0.486	+0.171	+0.540	+0.609	1 25– 2 20	−0.468	−0.328	+0.507
18		6.4 – 6.7	−0.459	+0.178	+0.517	+0.528	6 55– 9 0	−0.460	−0.304	+0.462
18		8.6 – 8.8	.....	+0.161	+0.543	+0.520				
18	Ep.	16.7 –18.1	−0.472	+0.194	+0.627	+0.574	16 50–17 45	−0.486	−0.354	+0.517
19		23.3 –23.7	−0.433	+0.197	+0.617	+0.569	23 50– 0 0	−0.446	−0.345	+0.515
19		1.7 – 2.6	−0.424	+0.207	+0.572	+0.527	1 25– 2 20	−0.436	−0.306	+0.497
20	P.	10.25–10.5	−0.408	+0.082	+0.431	+0.410	10 50–13 30	−0.412	−0.289	+0.330
20		13.2 –13.65	.....	+0.077	+0.450	+0.441				
21	Ep.	11.6 –12.5	−0.396	+0.066	+0.466	+0.451	11 45–14 15	−0.402	−0.327	+0.338
21		13.1 –14.4	−0.396	+0.059	+0.489	+0.463				
22		23.5 –23.9	−0.439	+0.062	+0.523	+0.547	0 5– 0 10	−0.433	−0.373	+0.389
22	P.	11.25–11.6	−0.450	+0.124	+0.465	+0.465	11 25	−0.460	−0.284	+0.401
22		13.75–13.9	.....	+0.131	+0.556	+0.485	13 49	−0.460	−0.335	+0.401
24	P.	12.8 –13.1	−0.469	+0.094	+0.380	+0.426	13 20–14 50	−0.454	−0.256	+0.327
24		14.9 –15.15	.....	+0.064	+0.376	+0.439				
27	P.	12.85–13.2	−0.497	+0.055	+0.401	+0.417	13 3	−0.493	−0.288	+0.307
27		15.8 –16.05	.....	+0.073	+0.465	+0.391	15 55	−0.528	−0.288	+0.307
							16 0	−0.523	−0.288	+0.311
27		18.05–18.35	−0.516	+0.120	+0.465	+0.459	18 11	−0.523	−0.288	+0.382
27		23.9 – 0.2	−0.497	+0.101	+0.525	+0.475	0 25– 0 30	−0.516	−0.334	+0.382
28		0.6	−0.508	.....	.....	.....				
28		1.25– 2.4	−0.481	+0.102	+0.505	+0.522	1 25– 2 30	−0.477	−0.333	+0.405
28		6.45– 6.7	−0.474	+0.116	+0.523	+0.530	7 5–10 5	−0.478	−0.336	+0.420
28		10.35–10.55	.....	+0.125	+0.545	+0.508				
28	Ep.	13.2 –14.2	−0.485	+0.137	+0.565	+0.517	13 20–15 15	−0.502	−0.345	+0.432
28		14.9 –15.0	.....	.....	+0.580	+0.501				
28		18.3 –18.7	−0.476	+0.155	+0.563	+0.551	18 35–18 40	−0.479	−0.338	+0.468
29		23.9 – 0.25	−0.477	+0.146	+0.533	+0.588	0 30– 0 35	−0.464	−0.334	+0.474
29		1.7 – 2.0	−0.453	+0.161	+0.563	+0.548	1 25– 1 30	−0.457	−0.334	+0.471
29		7.9 – 9.0	−0.430	+0.155	+0.541	+0.512	7 40– 9 15	−0.437	−0.316	+0.445
29	P.	12.8 –13.65	−0.450	+0.126	+0.552	+0.512	13 20–13 30	−0.461	−0.342	+0.423
30	M.	13.7 –14.2	−0.446	+0.123	+0.522	+0.516	13 20–14 45	−0.448	−0.328	+0.420
31	P.	15.9 –16.3	−0.455	+0.130	+0.455	+0.480	16 25–17 45	−0.456	−0.270	+0.402
31		17.95–18.1	.....	+0.146	+0.450	+0.464				
31		21.0 –21.1	−0.445	+0.145	+0.491	+0.455	21 15–21 20	−0.455	−0.283	+0.402
31		0.0 – 0.45	−0.450	+0.118	+0.463	+0.514	0 40– 0 45	−0.438	−0.297	+0.409
Apr. 1		0.8	−0.455	.....	.....	.....				
1		6.45– 6.7	−0.445	+0.134	+0.442	+0.485	6 35	−0.437	−0.275	+0.405
1		10.35–10.5	.....	+0.111	+0.445	+0.462	10 25	−0.437	−0.275	+0.374
17	P.	9.4 – 9.85	−0.494	+0.036	+0.395	+0.385	9 40–12 20	−0.494	−0.281	+0.263
17		12.45–12.65	.....	+0.021	+0.373	+0.382				
18	Ep.	9.3 –10.3	−0.497	+0.015	+0.274	+0.287	11 25–13 0	−0.486	−0.221	+0.201
18		12.6 –13.5	−0.481	+0.015	+0.310	+0.321				

TABLE V.—*The Corrections Applied to the American Ephemeris Right Ascensions of the Clock Stars.*

Name.	Ap-prox. R. A. 1900.	Corr. to Eph.	Name.	Ap. prox. R. A. 1900.	Corr. to Eph.	Name.	Ap-prox. R. A. 1900.	Corr. to Eph.
	h m	s		h m	s		h m	s
α Andromedæ	0 3	0.00	β Geminorum	7 39	+0.02	β¹ Scorpii	16 0	+0.07
γ Pegasi	0 8	+0.02	χ Geminorum	7 57	−0.02	δ Ophiuchi	16 9	+0.04
ι Ceti	0 14	+0.04	β Cancri	8 11	+0.04	ε Ophiuchi	16 13	+0.04
12 Ceti	0 25	+0.01	30 Monocerotis	8 21	0.00	β Herculis	16 26	+0.03
β Ceti	0 39	+0.06	η Cancri	8 27	0.00	ζ Ophiuchi	16 32	+0.04
ζ Andromedæ	0 42	+0.01	δ Cancri	8 39	0.00	κ Ophiuchi	16 53	+0.04
ε Piscium	0 58	+0.01	ε Hydræ	8 41	+0.03	η Ophiuchi	17 5	+0.08
θ Ceti	1 19	+0.06	ζ Hydræ	8 50	0.00	α Herculis	17 10	+0.02
η Piscium	1 26	+0.05	α Cancri	8 53	+0.01	α Ophiuchi	17 30	+0.03
ν Piscium	1 36	+0.01	κ Cancri	9 2	0.00	β Ophiuchi	17 39	+0.02
ο Piscium	1 40	+0.02	θ Hydræ	9 9	+0.01	μ Herculis	17 43	+0.02
β Arietis	1 49	+0.07	α Hydræ	9 23	+0.03	72 Ophiuchi	18 3	+0.05
α Arietis	2 2	+0.03	ο Leonis	9 36	+0.02	η Serpentis	18 16	+0.08
ξ² Ceti	2 23	+0.02	ε Leonis	9 40	+0.03	109 Herculis	18 19	+0.01
δ Ceti	2 34	+0.02	μ Leonis	9 47	+0.06	110 Herculis	18 41	+0.06
μ Ceti	2 40	+0.05	π Leonis	9 55	+0.04	ε Aquilæ	18 55	+0.04
η Eridani	2 52	+0.02	α Leonis	10 3	+0.04	ζ Aquilæ	19 1	+0.04
α Ceti	2 57	+0.04	ζ Leonis	10 11	+0.01	δ Aquilæ	19 20	+0.05
δ Arietis	3 6	+0.02	μ Hydræ	10 21	+0.02	β Cygni	19 27	+0.04
υ Tauri	3 19	+0.04	ρ Leonis	10 28	+0.01	γ Aquilæ	19 42	+0.05
f Tauri	3 25	0.00	l Leonis	10 44	0.00	α Aquilæ	19 46	+0.06
ε Eridani	3 28	+0.06	χ Leonis	11 0	+0.01	β Aquilæ	19 50	+0.05
η Tauri	3 42	+0.01	δ Leonis	11 9	0.00	γ Sagittæ	19 54	+0.05
γ Eridani	3 53	+0.03	δ Crateris	11 14	+0.04	θ Aquilæ	20 6	+0.06
ν Tauri	3 58	+0.02	υ Leonis	11 32	+0.02	α² Capricorni	20 13	+0.06
ο¹ Eridani	4 7	+0.03	β Leonis	11 44	+0.02	ε Delphini	20 28	+0.03
δ Tauri	4 17	+0.02	β Virginis	11 45	+0.02	α Delphini	20 35	+0.03
ε Tauri	4 23	+0.01	δ Virginis	12 0	+0.03	μ Aquarii	20 47	+0.03
α Tauri	4 30	+0.06	η Virginis	12 15	+0.01	32 Vulpeculæ	20 50	+0.01
τ Tauri	4 36	0.00	δ Corvi	12 25	+0.02	ζ Cygni	21 9	+0.03
ι Tauri	4 57	−0.03	δ Virginis	12 51	+0.03	β Aquarii	21 26	+0.05
β Eridani	5 3	+0.01	ε Virginis	12 57	+0.02	ε Pegasi	21 39	+0.05
β Orionis	5 10	+0.06	θ Virginis	13 5	+0.04	16 Pegasi	21 49	−0.01
γ Orionis	5 20	+0.03	43 Comæ Berenices	13 7	−0.01	α Aquarii	22 1	+0.04
β Tauri	5 20	+0.04	α Virginis	13 20	+0.04	θ Pegasi	22 5	+0.03
δ Orionis	5 27	+0.04	ζ Virginis	13 30	+0.05	θ Aquarii	22 12	+0.04
ε Orionis	5 31	+0.04	m Virginis	13 36	+0.04	γ Aquarii	22 16	+0.04
κ Orionis	5 43	+0.04	η Boötis	13 50	0.00	η Aquarii	22 30	+0.03
α Orionis	5 50	+0.04	τ Virginis	13 57	+0.02	ζ Pegasi	22 36	+0.03
ν Orionis	6 2	−0.02	κ Virginis	14 8	+0.01	η Pegasi	22 38	+0.01
η Geminorum	6 9	−0.03	α Boötis	14 11	+0.04	λ Pegasi	22 42	+0.02
μ Geminorum	6 17	+0.01	ε Boötis	14 41	+0.02	λ Aquarii	22 47	+0.04
γ Geminorum	6 32	+0.01	α Libræ	14 45	+0.07	α Pegasi	23 0	+0.03
ε Geminorum	6 38	+0.02	ψ Boötis	15 0	0.00	γ Piscium	23 12	+0.06
ξ Geminorum	6 40	+0.02	β Libræ	15 12	+0.04	κ Piscium	23 22	+0.02
ζ Geminorum	6 58	+0.02	α Coronæ Borealis	15 30	0.00	ι Piscium	23 35	+0.04
λ Geminorum	7 12	+0.01	α Serpentis	15 39	+0.03	ω Piscium	23 54	+0.04
ι Geminorum	7 20	0.00	β Serpentis	15 42	−0.02			
β Canis Minoris	7 22	−0.01	ε Serpentis	15 46	+0.08			

TABLE VI.—*The Observed Rates of the Standard Sidereal Clock, Riefler No. 60.*

Date.	Sid. Interval.	Mean.		$\sqrt{\text{wt.}}$	Observed Hourly Rate.	O–C.
		Temp.	Pressure.			
Period 1.						
1912	d	°	mm		s	s
Feb. 1.4	2.1	82.1	679	1	−0.0169	+0.0003
3.4	1.9	82.1	679	1	−0.0182	− 10
5.5	2.1	82.1	679	1	−0.0160	+ 12
7.5	2.0	82.1	679	1	−0.0176	− 4
					Mean	0.0007
Period 2.						
Mar. 0.9	3.1	82.0	679	1	−0.0189	−0.0006
4.9	5.0	82.0	679	1.2	−0.0183	+ 1
9.0	3.2	82.0	679	1	−0.0184	0
12.0	2.9	82.0	679	1	−0.0182	+ 3
14.9	2.8	82.0	679	1	−0.0179	+ 8
17.4	2.2	82.1	679	1	−0.0195	− 8
20.5	4.0	82.1	679	1	−0.0183	+ 5
24.0	3.0	82.1	679	1	−0.0192	− 3
27.5	4.0	82.1	679	1	−0.0189	+ 1
31.0	3.1	82.0	679	1	−0.0192	− 1
Apr. 3.0	2.8	82.0	679	1	−0.0182	+ 10
6.4	4.1	82.0	679	1	−0.0195	− 2
10.0	3.0	82.0	679	1	−0.0199	− 6
12.9	2.8	82.0	679	1	−0.0195	− 1
					Mean	0.0004
Period 3.						
Apr. 21.9	3.2	82.0	679	1	−0.0201	0.0000
25.4	3.8	82.0	679	1	−0.0204	− 2
29.4	4.1	82.0	679	1	−0.0199	+ 5
May 3.0	3.1	82.0	679	1	−0.0204	+ 2
7.0	4.0	82.1	679	1	−0.0210	− 2
11.6	4.1	82.1	679	1	−0.0211	− 2
15.6	4.0	82.1	679	1	−0.0221	− 10
19.0	2.9	82.1	679	1	−0.0206	+ 6
22.5	4.0	82.1	679	1	−0.0212	+ 2
26.0	3.0	82.1	679	1	−0.0216	− 1
29.4	3.9	82.1	679	1	−0.0217	− 1
June 2.0	3.1	82.1	679	1	−0.0217	+ 1
5.5	4.0	82.1	679	1	−0.0218	+ 1
					Mean	0.0003
Period 4.						
1912	d	°	mm		s	s
June 12.0	3.0	82.1	679	1	−0.0204	−0.0009
15.4	3.8	82.1	679	1	−0.0187	+ 7
19.4	4.1	82.1	679	1	−0.0186	+ 6
22.9	3.0	82.1	679	1	−0.0195	− 3
26.9	5.0	82.1	679	1.2	−0.0188	+ 2
July 1.0	3.1	82.1	679	1	−0.0192	− 3
4.0	2.9	82.1	679	1	−0.0188	+ 1
6.9	3.0	82.1	679	1	−0.0191	− 3
10.5	4.1	82.1	679	1	−0.0186	0
14.0	3.0	82.1	679	1	−0.0185	+ 1
					Mean	0.0004
Period 5.						
July 24.0	2.9	82.1	679	1	−0.0191	+0.0001
28.0	5.1	82.2	679	1.2	−0.0194	0
Aug. 1.0	3.0	82.2	679	1	−0.0199	− 4
5.0	5.0	82.2	679	1.2	−0.0195	+ 3
10.0	5.0	82.3	679	1.2	−0.0200	0
14.0	3.0	82.3	679	1	−0.0208	− 6
17.0	3.0	82.3	679	1	−0.0206	− 2
21.0	5.0	82.2	679	1.2	−0.0199	+ 7
25.5	4.1	82.3	679	1	−0.0205	+ 4
29.6	4.0	82.3	679	1	−0.0210	0
Sept. 3.6	5.9	82.2	679	1.2	−0.0216	− 2
8.5	4.0	82.2	679	1	−0.0220	− 4
13.1	5.2	82.2	679	1.2	−0.0220	− 2
17.6	3.8	82.2	679	1	−0.0220	0
20.4	1.8	82.2	679	1	−0.0221	0
24.9	7.2	82.2	679	1.2	−0.0226	− 1
Oct. 1.5	6.0	82.2	679	1.2	−0.0224	+ 3
					Mean	0.0002
Period 6.						
Oct. 6.0	2.9	82.2	679	1	−0.0220	+0.0004
9.0	3.1	82.2	679	1	−0.0221	+ 2
13.0	5.0	82.2	679	1.2	−0.0221	+ 1
18.0	5.0	82.2	679	1.2	−0.0224	− 3
24.5	8.0	82.2	679	1.2	−0.0222	− 2

Table VI.—*The Observed Rates of the Standard Sidereal Clock, Riefler No. 60*—Continued.

Date.	Sid. Interval.	Mean. Temp.	Mean. Pressure.	√wt.	Observed Hourly Rate.	O–C.
Period 6—Continued.						
1912	d	°	mm		s	s
Oct. 29.5	2.0	82.2	679	1	−0.0218	+0.0001
Nov. 2.0	5.0	82.2	679	1.2	−0.0216	+ 2
6.5	4.0	82.2	679	1	−0.0212	+ 6
10.0	3.0	82.2	679	1	−0.0214	+ 3
13.9	4.8	82.2	679	1	−0.0212	+ 4
17.4	2.2	82.2	679	1	−0.0214	+ 1
19.5	2.0	82.2	679	1	−0.0214	0
21.5	2.0	82.2	679	1	−0.0218	− 4
24.0	3.0	82.2	679	1	−0.0210	+ 4
27.5	4.0	82.2	679	1	−0.0220	− 7
Dec. 1.5	3.9	82.2	679	1	−0.0215	− 2
6.5	6.1	82.2	679	1.2	−0.0219	− 8
11.5	3.9	82.2	679	1	−0.0217	− 6
14.8	2.9	82.2	679	1	−0.0223	− 13
20.4	8.2	82.2	679	1.2	−0.0208	+ 1
26.5	4.0	82.2	679	1	−0.0212	− 4
31.5	6.0	82.2	679	1.2	−0.0208	0
1913						
Jan. 6.4	5.8	82.2	679	1.2	−0.0200	+ 6
11.4	4.1	82.2	679	1	−0.0198	+ 7
15.8	4.9	82.2	679	1	−0.0198	+ 6
					Mean	0.0004

Date.	Sid. Interval.	Mean. Temp.	Mean. Pressure.	√wt.	Observed Hourly Rate.	O–C.
Period 7.						
1913	d	°	mm		s	s
Jan. 23.9	3.2	82.2	679	1	−0.0195	−0.0009
28.0	5.0	82.2	679	1.2	−0.0184	+ 4
Feb. 2.0	5.0	82.2	679	1.2	−0.0186	+ 3
5.5	2.0	82.2	679	1	−0.0191	− 1
8.5	3.9	82.1	679	1	−0.0184	+ 6
12.5	4.1	82.1	679	1	−0.0187	+ 4
16.0	3.0	82.1	679	1	−0.0194	− 2
20.0	5.1	82.1	679	1.2	−0.0196	− 2
24.0	2.9	82.1	679	1	−0.0196	− 2
26.9	2.8	82.1	679	1	−0.0198	− 2
Mar. 1.8	3.0	82.1	679	1	−0.0201	− 4
4.9	3.2	82.1	679	1	−0.0201	− 4
9.4	5.8	82.1	679	1.2	−0.0201	− 2
14.9	5.2	82.1	679	1.2	−0.0192	+ 8
19.5	4.0	82.1	679	1	−0.0203	− 2
					Mean	0.0004
Period 8.						
Mar. 23.6	2.1	82.1	679	1	−0.0185	+0.0001
26.6	3.9	82.1	679	1	−0.0190	− 6
29.5	2.0	82.1	679	1	−0.0168	+ 14
31.4	1.8	82.1	679	1	−0.0189	− 8
					Mean	0.0007

Table VII.—*The Rate Formulæ of Standard Sidereal Clock, Riefler No. 60.*

Interval.	Hourly Rate.
1912	s s
Jan. 31 to Feb. 9	−0.017178+0.0000048 (T−Feb. 4.5)
Feb. 27 to Apr. 18	−0.018869−0.000028 (T−Mar. 23.0)
Apr. 19 to June 5	−0.021044−0.000040 (T−May 14.5)
June 6 to July 17	−0.018998+0.000027 (T−June 28.5)
July 19 to Sept. 30	−0.020885−0.000052 (T−Aug. 26.5)
Oct. 3 to Jan. 15	−0.021417+0.000019 (T−Nov. 23.5)
1913	
Jan. 17 to Jan. 19	Rate adopted from inspection of observed rates.
Jan. 20 to Mar. 12	−0.019424−0.000028 (T−Feb. 21.5)
Mar. 16 to Apr. 1	−0.018320+0.000066 (T−Mar. 27.5)
Apr. 17 to Apr. 18	Rate adopted from inspection of observed rates.

TABLE VIII.—*The Corrections and Adopted Rates of the Standard Sidereal Clock.*

Date.	Observer.	No. of Stars.	Sid. Time.	Observed Clock Corr.	Sid. Time.	Adopted.	
						Clock Corr.	Hourly Rate.
1912			h	s	h	s	s
Jan. 31	Ep.	6	7.23	−23.178	7.23	−23.001	−0.0172
Feb. 2	P.	7	8.71	−23.903	8.71	−23.837	−0.0172
4	P.	11	10.16	−24.803	10.16	−24.737	−0.0172
5	P.	7	12.47	−25.256	12.47	−25.190	−0.0172
6	P.	7	7.76	−25.537	9.36	−25.492	−0.0172
6	Ep.	3	13.10	−25.717			
7	M.	6	13.72	−26.010	13.72	−26.010	−0.0172
8	M.	6	7.43	−26.302	11.22	−26.370	−0.0172
8	P.	7	14.47	−26.494			
27	P.	[illegible]	7.73	−34.448	7.73	−34.382	−0.0182
28	Ep.	7	8.33	−34.917	8.95	−34.750	−0.0182
28	M.	1	13.3	−34.82			
Mar. 1	P.	10	8.73	−35.741	9.15	−35.678	−0.0183
1	Ep.	1	13.3	−35.89			
2	Ep.	11	9.01	−36.289	9.01	−36.112	−0.0183
7	M.	6	6.72	−38.238	9.46	−38.316	−0.0184
7	P.	4	13.58	−38.498			
9	P.	6	16.08	−39.360	16.08	−39.294	−0.0185
10	M.	6	14.58	−39.737	14.58	−39.737	−0.0185
13	Ep.	6	8.43	−41.088	12.45	−41.010	−0.0186
13	M.	5	17.28	−41.130			
16	Ep.	6	7.63	−42.388	7.63	−42.211	−0.0187
17	M.	6	16.93	−42.907	16.93	−42.907	−0.0187
18	M.	6	9.37	−43.165	13.36	−43.260	−0.0187
18	P.	6	17.35	−43.420			
19	P.	6	6.55	−43.613	6.55	−43.547	−0.0188
22	P.	6	7.00	−44.962	11.56	−44.986	−0.0188
22	Ep.	5	17.04	−45.272			
25	M.	6	7.22	−46.292	11.84	−46.376	−0.0189
25	P.	5	17.38	−46.542			
26	P.	6	7.83	−46.792	7.83	−46.726	−0.0190
27	M.	6	17.35	−47.400	17.35	−47.400	−0.0190
29	P.	7	10.41	−48.257	13.34	−48.222	−0.0190
29	Ep.	5	17.44	−48.442			−0.0191
31	P.	7	11.84	−49.187	11.84	−49.121	−0.0191
Apr. 1	P.	6	14.62	−49.697	14.62	−49.631	−0.0191
2	Ep.	6	13.78	−50.177	13.78	−50.000	−0.0192
3	Ep.	6	15.90	−50.687	15.90	−50.510	−0.0192
4	Ep.	6	8.55	−50.958	12.60	−50.906	−0.0192
4	P.	7	16.07	−51.079			
1912			h	s	h	s	s
Apr. 5	P.	6	8.55	−51.390	13.16	−51.410	−0.0192
5	Ep.	6	17.78	−51.673			−0.0193
6	Ep.	6	10.02	−51.980	14.03	−51.898	−0.0193
6	P.	7	17.46	−52.046			
8	Ep.	6	9.60	−52.873	13.76	−52.799	−0.0193
8	P.	6	17.93	−52.968			
9	P.	6	8.65	−53.217	8.65	−53.151	−0.0194
10	P.	6	17.93	−53.918	17.93	−53.852	−0.0194
11	P.	8	10.42	−54.254	13.56	−54.230	−0.0194
11	Ep.	6	17.75	−54.463			
14	P.	8	8.78	−55.608	8.78	−55.542	−0.0195
18	P.	6	18.27	−57.688	18.27	−57.622	−0.0200
20	Ep.	6	9.72	−58.523	9.72	−58.346	−0.0201
22	P.	5	18.18	−59.552	18.18	−59.486	−0.0202
23	P.	6	9.60	−59.870	13.69	−59.874	−0.0202
23	Ep.	6	17.78	−60.120			
24	M.	6	17.93	−60.413	17.93	−60.413	−0.0202
25	M.	6	9.93	−60.732	9.93	−60.732	−0.0203
27	Ep.	7	11.56	− 1.970	11.56	− 1.793	−0.0204
May 1	Ep.	5	11.16	− 3.870	13.52	− 3.742	−0.0205
1	M.	5	15.88	− 3.792			
2	M.	5	10.22	− 4.142	14.43	− 4.253	−0.0205
2	P.	7	17.43	− 4.399			−0.0206
3	P.	7	11.04	− 4.769	13.53	− 4.753	−0.0206
3	Ep.	5	17.02	− 5.000			
4	Ep.	6	10.67	− 5.308	14.12	− 5.225	−0.0207
4	P.	6	17.58	− 5.385			−0.0206
8	M.	6	17.93	− 7.363	17.93	− 7.363	−0.0208
9	M.	6	11.03	− 7.688	15.12	− 7.762	−0.0208
9	P.	6	19.20	− 7.902			
10	P.	6	12.78	− 8.267	15.83	− 8.288	−0.0209
10	Ep.	6	18.88	− 8.552			
13	P.	6	16.67	− 9.888	16.67	− 9.822	−0.0210
16	P.	7	16.31	−11.437	16.31	−11.371	−0.0211
17	Ep.	6	18.73	−12.162	18.73	−11.985	−0.0212
18	Ep.	6	11.87	−12.478	11.87	−12.301	−0.0212
19	M.	6	19.38	−13.003	19.38	−13.003	−0.0212
20	M.	5	11.98	−13.300	16.26	−13.418	−0.0213
20	P.	6	19.82	−13.582			
21	P.	6	11.95	−13.887	15.88	−13.924	−0.0213
21	Ep.	6	19.82	−14.205			

TABLE VIII.—*The Corrections and Adopted Rates of the Standard Sidereal Clock*—Continued.

Date.	Observer.	No. of Stars.	Sid. Time.	Observed Clock Corr.	Sid. Time.	Adopted.	
						Clock Corr.	Hourly Rate.
1912			h	s	h	s	s
May 22	Ep.	5	12.52	−14.580	12.52	−14.403	−0.0214
24	P.	6	12.62	−15.407	16.28	−15.451	−0.0214
24	Ep.	6	19.93	−15.738			−0.0215
25	Ep.	6	13.15	−16.110	13.15	−15.933	−0.0215
26	P.	5	13.30	−16.432	16.59	−16.462	−0.0215
26	M.	5	19.88	−16.558			
27	M.	6	13.23	−16.937	16.68	−17.014	−0.0216
27	P.	6	20.13	−17.157			
28	P.	6	15.15	−17.533	15.15	−17.467	−0.0216
30	P.	6	17.07	−18.658	17.07	−18.592	−0.0217
31	P.	6	12.97	−19.048	14.82	−19.058	−0.0217
31	Ep.	5	17.04	−19.326			
June 1	Ep.	5	13.28	−19.716	16.68	−19.612	−0.0218
1	P.	7	19.11	−19.731			
3	P.	6	13.15	−20.648	16.24	−20.652	−0.0218
3	M.	5	19.94	−20.736			
4	Ep.	5	19.94	−21.462	19.94	−21.285	−0.0219
5	Ep.	5	15.66	−21.844	17.77	−21.698	−0.0219
5	M.	5	19.88	−21.728			
7	P.	5	13.26	−22.722	16.93	−22.762	−0.0196
7	Ep.	6	19.98	−23.028			
8	Ep.	5	15.70	−23.390	18.43	−23.282	−0.0195
8	P.	6	20.70	−23.405			
9	M.	6	20.52	−23.818	20.52	−23.818	−0.0195
10	M.	7	14.47	−24.159	17.14	−24.223	−0.0195
10	P.	6	20.25	−24.363			
11	P.	5	14.04	−24.684	17.45	−24.706	−0.0195
11	Ep.	6	20.30	−24.957			
12	M.	6	20.52	−25.205	20.52	−25.205	−0.0194
13	M.	5	13.78	−25.608	17.13	−25.689	−0.0194
13	P.	6	19.93	−25.822			
16	P.	6	21.12	−27.192	21.12	−27.126	−0.0193
17	P.	6	14.27	−27.495	14.27	−27.429	−0.0193
20	M.	6	14.47	−28.710	17.90	−28.787	−0.0192
20	P.	6	21.32	−28.930			
21	P.	6	14.47	−29.272	17.90	−29.282	−0.0192
21	M.	6	21.32	−29.357			
23	P.	8	15.66	−30.198	15.66	−30.132	−0.0191
24	P.	6	15.15	−30.697	15.15	−30.631	−0.0191
25	P.	6	21.88	−31.248	21.88	−31.182	−0.0191
1912			h	s	h	s	s
June 28	P.	9	16.32	−32.518	16.32	−32.452	−0.0190
29	M.	6	17.57	−32.932	17.57	−32.932	−0.0190
30	P.	6	22.50	−33.632	22.50	−33.566	−0.0189
July 1	P.	5	16.58	−33.960	16.58	−33.894	−0.0189
2	M.	6	15.48	−34.245	18.20	−34.328	−0.0189
2	P.	6	20.92	−34.478			
3	P.	6	15.48	−34.775	15.48	−34.709	−0.0189
4	P.	6	22.37	−35.403	22.37	−35.337	−0.0188
5	P.	6	15.48	−35.678	18.60	−35.688	−0.0188
5	M.	6	21.72	−35.765			
6	M.	6	15.48	−36.065	18.86	−36.146	−0.0188
6	P.	7	21.76	−36.281			
7	M.	6	20.70	−36.600	20.70	−36.600	−0.0188
8	M.	6	15.77	−36.997	19.30	−37.074	−0.0187
8	P.	6	22.82	−37.217			
9	P.	6	15.68	−37.507	19.13	−37.496	−0.0187
9	M.	6	22.58	−37.552			
11	P.	5	15.78	−38.356	15.78	−38.290	−0.0186
12	M.	6	17.45	−38.817	19.18	−38.862	−0.0186
12	P.	6	20.92	−38.975			
13	P.	6	15.85	−39.290	15.85	−39.224	−0.0186
15	M.	6	18.77	−40.177	21.04	−40.229	−0.0185
15	P.	6	23.32	−40.347			
16	P.	7	16.89	−40.649	16.89	−40.583	−0.0185
19	Ep.	4	18.20	−42.050	18.20	−41.873	−0.0189
22	M.	6	16.58	−43.158	20.14	−43.244	−0.0191
22	Ep.	6	23.70	−43.508			
23	Ep.	4	17.75	−43.848	17.75	−43.671	−0.0191
25	M.	6	18.97	−44.595	18.97	−44.595	−0.0192
26	Ep.	6	19.60	−45.272	19.60	−45.095	−0.0193
27	Ep.	6	20.00	−45.710	20.00	−45.533	−0.0193
28	P.	6	20.35	−46.052	20.35	−45.986	−0.0194
29	Ep.	6	22.28	−46.703	22.28	−46.526	−0.0194
30	Ep.	5	18.10	−47.048	20.62	−46.950	−0.0195
30	P.	6	22.72	−47.082			
31	P.	6	19.70	−47.462	19.70	−47.396	−0.0195
Aug. 1	Ep.	5	18.86	−48.034	21.81	−47.904	−0.0196
1	P.	6	0.27	−48.010			

TABLE VIII.—*The Corrections and Adopted Rates of the Standard Sidereal Clock*—Continued.

Date.	Observer.	No. of Stars.	Sid. Time.	Ob-served Clock Corr.	Sid. Time.	Adopted.	
						Clock Corr.	Hourly Rate.
1912			h	s	h	s	s
Aug. 2	P.	6	18.85	−48.430	21.28	−48.398	−0.0196
2	Ep.	4	0.92	−48.625			
3	P.	6	1.13	−48.982	1.13	−48.916	−0.0197
4	Ep.	6	1.17	−49.570	1.17	−49.393	−0.0197
5	Ep.	6	19.73	−49.950	22.56	49.822	−0.0198
5	P.	6	1.38	−49.937			
6	Ep.	4	0.48	−50.472	0.48	−50.295	−0.0198
7	Ep.	6	17.78	−50.828	21.63	−50.745	−0.0199
7	P.	6	1.48	−50.905			
12	P.	6	20.30	−53.182	20.30	−53.116	−0.0202
13	P.	5	17.44	−53.678	17.44	−53.612	−0.0202
14	Ep.	5	1.16	−54.368	1.16	−54.191	−0.0203
15	Ep.	6	19.53	−54.748	22.55	−54.661	−0.0203
15	P.	6	1.57	−54.817			
16	P.	6	18.57	−55.127	18.57	−55.061	−0.0204
18	P.	7	17.46	−56.101	21.21	−56.116	−0.0205
18	M.	6	1.58	−56.210			
20	M.	6	19.82	−57.022	19.82	−57.022	−0.0206
23	M.	6	19.25	−58.485	22.85	−58.538	−0.0207
23	Ep.	6	2.45	−58.767			
24	Ep.	6	19.20	−59.145	19.20	−58.968	−0.0208
25	M.	6	19.70	−59.443	19.70	−59.443	−0.0208
27	M.	5	1.70	−60.562	1.70	−60.562	−0.0209
29	Ep.	6	23.37	−61.682	23.37	−61.505	−0.0210
31	M.	6	2.18	−62.590	2.18	−62.590	−0.0211
Sept. 5	Ep.	6	3.50	− 5.380	3.50	− 5.203	−0.0214
6	Ep.	6	19.20	− 5.697	23.50	− 5.636	−0.0215
6	M.	6	3.80	− 5.753			
8	Ep.	6	1.53	− 6.887	1.53	− 6.710	−0.0216
9	Ep.	6	18.97	− 7.232	23.37	− 7.182	−0.0216
9	M.	6	3.77	− 7.310			
10	M.	6	18.55	− 7.675	23.24	− 7.742	−0.0217
10	Ep.	6	3.92	− 7.987			
12	Ep.	5	4.46	− 9.066	4.46	− 8.889	−0.0218
13	Ep.	5	18.64	− 9.372	18.64	− 9.195	−0.0218
15	M.	6	4.58	−10.493	4.58	−10.493	−0.0219
17	P.	6	18.77	−11.412	18.77	−11.346	−0.0220
19	M.	6	19.70	−12.443	23.66	−12.500	−0.0221
19	P.	6	3.63	−12.623			
1912			h	s	h	s	s
Sept. 20	P.	7	19.03	−13.010	23.62	−13.016	−0.0222
20	Ep.	6	4.97	−13.277			
21	Ep.	6	19.38	−13.645	19.38	−13.468	−0.0222
22	P.	4	21.35	−14.125	21.35	−14.059	−0.0223
27	Ep.	6	2.42	−17.038	2.42	−16.861	−0.0225
28	Ep.	6	19.20	−17.410	23.10	−17.340	−0.0225
28	P.	7	2.44	−17.497			
29	M.	6	3.90	−18.013	3.90	−18.013	−0.0225
30	M.	6	19.20	−18.375	23.66	−18.470	−0.0224
30	P.	6	4.13	−18.632			
Oct. 3	P.	6	6.02	−20.238	6.02	−20.172	−0.0224
4	P.	6	19.20	−20.548	0.24	−20.599	−0.0224
4	Ep.	5	6.30	−20.916			
5	Ep.	6	20.95	−21.228	20.95	−21.051	−0.0223
6	Ep.	6	6.15	−21.945	6.15	−21.768	−0.0223
7	P.	6	23.53	−22.232	23.53	−22.166	−0.0223
8	P.	6	19.38	−22.643	19.38	−22.577	−0.0223
9	P.	7	4.43	−23.380	4.43	−23.314	−0.0223
10	P.	6	19.38	−23.755	0.95	−23.788	−0.0223
10	Ep.	6	6.52	−24.065			−0.0222
11	Ep.	6	20.12	−24.345	20.12	−24.168	−0.0222
14	P.	6	5.40	−26.035	5.40	−25.969	−0.0222
15	P.	6	19.55	−26.390	1.19	−26.440	−0.0222
15	Ep.	6	6.83	−26.733			−0.0221
16	Ep.	6	19.70	−27.018	0.89	−26.971	−0.0221
16	M.	5	7.12	−27.126			
17	P.	6	4.85	−27.677	4.85	−27.611	−0.0221
18	P.	6	19.93	−27.943	19.93	−27.877	−0.0221
20	P.	6	22.22	−29.080	2.84	−29.164	−0.0221
20	M.	6	7.47	−29.313			
25	P.	7	3.33	−31.834	3.33	−31.768	−0.0220
26	P.	6	3.57	−32.413	3.57	−32.347	−0.0220
27	M.	6	4.65	−32.947	4.65	−32.947	−0.0219
28	M.	6	21.72	−33.330	1.20	−33.386	−0.0219
28	P.	6	4.68	−33.508			
29	P.	7	20.91	−33.880	1.12	−33.909	−0.0219
29	Ep.	6	6.03	−34.197			

TABLE VIII.—*The Corrections and Adopted Rates of the Standard Sidereal Clock*—Continued.

Date.	Observer.	No. of Stars.	Sid. Time.	Observed Clock Corr.	Sid. Time.	Adopted.	
						Clock Corr.	Hourly Rate.
1912			h	s	h	s	s
Oct. 30	Ep.	6	21.92	−34.542	1.60	−34.441	−0.0219
30	M.	6	5.28	−34.517			
31	M.	4	21.00	−34.830	21.00	−34.830	−0.0219
Nov. 2	P.	6	8.32	−36.155	8.32	−36.089	−0.0218
3	M.	6	7.70	−36.643	7.70	−36.643	−0.0218
4	M.	4	0.22	−36.992	4.92	−37.107	−0.0218
4	Ep.	5	8.68	−37.376			
5	Ep.	5	20.82	−37.556	20.82	−37.379	−0.0218
7	P.	5	9.18	−38.784	9.18	−38.718	−0.0217
8	P.	5	21.26	−39.044	2.97	−39.098	−0.0217
8	Ep.	5	8.68	−39.396			
11	M.	5	21.96	−40.542	3.57	−40.652	−0.0216
11	P.	5	9.18	−40.828			
12	P.	5	21.10	−41.050	21.10	−40.984	−0.0216
15	P.	5	21.52	−42.562	21.52	−42.496	−0.0216
16	Ep.	6	22.63	−43.262	22.63	−43.085	−0.0216
17	P.	7	23.76	−43.657	23.76	−43.591	−0.0215
18	M.	5	23.26	−44.140	4.57	−44.240	−0.0215
18	Ep.	5	9.88	−44.516			
19	Ep.	9	1.30	−44.858	4.02	−44.730	−0.0215
19	P.	5	8.92	−44.884			
20	P.	6	2.67	−45.265	5.83	−45.296	−0.0215
20	M.	5	9.62	−45.412			
21	M.	6	2.53	−45.740	2.53	−45.740	−0.0215
22	P.	9	0.79	−46.283	4.07	−46.290	−0.0214
22	Ep.	5	9.98	−46.598			
24	M.	5	4.66	−47.318	4.66	−47.318	−0.0214
25	M.	5	0.36	−47.732	3.73	−47.809	−0.0214
25	P.	6	6.53	−47.940			
26	P.	6	21.88	−48.283	2.80	−48.316	−0.0214
26	Ep.	6	7.72	−48.593			
28	P.	6	7.97	−49.517	7.97	−49.451	−0.0213
29	P.	5	0.52	−49.938	4.96	−49.953	−0.0213
29	Ep.	4	10.50	−50.232			
30	Ep.	6	2.42	−50.582	6.30	−50.496	−0.0213
30	P.	6	10.18	−50.653			
Dec. 2	P.	5	9.72	−51.648	9.72	−51.582	−0.0212
3	P.	6	23.40	−51.937	2.08	−51.952	−0.0212
3	Ep.	5	5.30	−52.226			
8	M.	4	11.38	−54.838	11.38	−54.838	−0.0211
1912			h	s	h	s	s
Dec. 9	M.	5	0.36	−55.086	5.91	−55.195	−0.0211
9	P.	5	11.46	−55.370			
10	P.	6	22.90	−55.605	22.90	−55.539	−0.0211
11	M.	5	11.82	−56.404	11.82	−56.404	−0.0211
12	M.	6	3.43	−56.705	7.24	−56.769	−0.0211
12	P.	5	11.82	−56.912			
13	P.	7	23.24	−57.199	1.42	−57.178	−0.0210
13	Ep.	5	4.48	−57.418			
14	Ep.	5	1.94	−57.910	1.94	−57.733	−0.0210
15	P.	6	0.23	−58.262	0.23	−58.196	−0.0210
16	P.	6	0.42	−58.830	0.42	−58.764	−0.0210
19	P.	6	2.62	− 0.385	2.62	− 0.319	−0.0209
20	P.	5	2.58	− 0.876	2.58	− 0.810	−0.0209
21	Ep.	5	2.30	− 1.554	2.30	− 1.377	−0.0209
22	Ep.	6	6.48	− 2.120	6.48	− 1.943	−0.0209
24	P.	6	0.03	− 2.817	4.10	− 2.835	−0.0208
24	P.	6	8.17	− 2.985			
25	M.	6	7.13	− 3.473	7.13	− 3.473	−0.0208
27	P.	5	1.44	− 4.384	7.07	− 4.460	−0.0208
27	Ep.	5	12.70	− 4.780			
28	Ep.	7	0.30	− 4.974	4.03	− 4.870	−0.0208
28	P.	5	9.26	− 5.038			
30	P.	6	12.55	− 6.102	12.55	− 6.036	−0.0207
1913							
Jan. 1	Ep.	6	12.88	− 7.275	12.88	− 7.098	−0.0207
3	P.	6	8.50	− 8.017	8.50	− 7.951	−0.0206
4	P.	6	0.65	− 8.295	0.65	− 8.229	−0.0206
7	P.	6	6.72	− 9.873	6.72	− 9.807	−0.0206
8	M.	5	13.06	−10.466	13.06	−10.466	−0.0205
9	M.	6	1.90	−10.703	5.35	−10.769	−0.0205
9	Ep.	6	8.80	−11.012			
11	P.	4	1.65	−11.702	1.65	−11.636	−0.0205
13	M.	6	1.95	−12.578	7.17	−12.705	−0.0205
13	P.	5	13.44	−12.924			−0.0204
14	P.	5	2.20	−13.148	5.56	−13.146	−0.0204
14	Ep.	5	8.92	−13.386			
15	Ep.	5	2.20	−13.716	2.20	−13.539	−0.0204
17	P.	5	1.84	−14.562	1.84	−14.496	−0.0194
18	Ep.	6	3.70	−15.187	3.70	−15.010	−0.0194

TABLE VIII.—*The Corrections and Adopted Rates of the Standard Sidereal Clock*—Continued.

Date.	Observer.	No. of Stars.	Sid. Time.	Ob-served Clock Corr.	Sid. Time.	Adopted.	
						Clock Corr.	Hourly Rate.
1913			h	s	h	s	s
Jan. 19	M.	6	6.65	−15.513	6.65	−15.513	−0.0194
21	P.	6	7.63	−16.527	10.60	−16.530	−0.0186
21	Ep.	5	14.16	−16.790			
22	Ep.	5	2.58	−16.970	5.33	−16.831	−0.0186
22	M.	6	7.63	−16.863			
25	Ep.	5	6.46	−18.442	10.21	−18.331	−0.0187
25	P.	6	13.33	−18.452			
27	P.	5	14.16	−19.332	14.16	−19.266	−0.0187
28	P.	5	2.92	−19.566	2.92	−19.500	−0.0187
29	M.	5	14.16	−20.154	14.16	−20.154	−0.0188
30	M.	6	6.58	−20.437	10.00	−20.529	−0.0188
30	P.	5	14.10	−20.706			
31	M.	5	14.16	−21.030	14.16	−21.030	−0.0188
Feb. 4	P.	6	7.03	−22.772	7.94	−22.726	−0.0189
4	P.	1	13.4	−22.91			
5	P.	6	3.63	−23.122	3.63	−23.056	−0.0190
6	M.	5	6.83	−23.633	10.17	−23.683	−0.0190
6	P.	5	14.18	−23.810			
7	P.	6	3.70	−24.057	3.70	−23.991	−0.0190
9	M.	5	14.18	−25.080	14.18	−25.080	−0.0191
10	M.	5	6.66	−25.386	6.66	−25.386	−0.0191
12	Ep.	6	6.52	−26.478	6.52	−26.301	−0.0192
13	M.	5	6.00	−26.690	10.28	−26.815	−0.0192
13	P.	5	14.56	−27.006			
14	P.	6	4.02	−27.178	8.81	−27.224	−0.0192
14	Ep.	5	14.56	−27.534			
15	Ep.	6	6.25	−27.908	6.25	−27.731	−0.0192
16	M.	6	6.85	−28.160	6.85	−28.160	−0.0193
17	M.	6	6.77	−28.558	10.72	−28.662	−0.0193
17	P.	6	14.67	−28.833			
18	P.	6	7.25	−29.147	10.65	−29.145	−0.0193
18	Ep.	5	14.72	−29.398			
19	Ep.	6	8.22	−29.750	8.22	−29.573	−0.0194
21	P.	5	4.22	−30.460	4.22	−30.394	−0.0194
22	P.	6	12.57	−31.117	12.57	−31.051	−0.0195
1913			h	s	h	s	s
Feb. 24	P.	5	15.72	−32.054	15.72	−31.988	−0.0195
25	P.	5	5.66	−32.382	10.43	−32.424	−0.0195
25	Ep.	4	16.40	−32.735			
27	P.	5	15.06	−33.532	15.06	−33.466	−0.0196
28	P.	5	5.30	−33.814	5.30	−33.748	−0.0196
Mar. 2	M.	5	14.20	−34.908	14.20	−34.908	−0.0197
3	M.	6	6.07	−35.208	6.07	−35.208	−0.0197
5	Ep.	6	6.63	−36.460	6.63	−36.283	−0.0198
6	M.	5	6.66	−36.670	10.69	−36.750	−0.0198
6	P.	5	14.72	−36.896			
7	P.	6	5.82	−37.215	5.82	−37.149	−0.0198
11	Ep.	5	14.36	−39.410	14.36	−39.233	−0.0199
12	Ep.	6	6.75	−39.740	6.75	−39.563	−0.0199
16	M.	5	7.78	−41.406	7.78	−41.406	−0.0190
17	M.	6	8.22	−41.890	11.17	−41.958	−0.0190
17	P.	5	14.72	−42.106			
18	P.	6	7.65	−42.410	12.08	−42.482	−0.0189
18	Ep.	5	17.40	−42.824			
20	P.	7	12.37	−43.469	12.37	−34.403	−0.0188
21	Ep.	6	13.28	−44.130	13.28	−43.953	−0.0187
22	P.	6	12.57	−44.393	12.57	−44.327	−0.0186
24	P.	5	14.20	−45.312	14.20	−45.246	−0.0185
27	P.	6	16.40	−46.668	16.40	−46.602	−0.0183
28	P.	6	8.55	−47.010	11.21	−47.016	−0.0183
28	Ep.	5	14.40	−47.280			−0.0182
29	Ep.	6	8.52	−47.618	9.22	−47.441	−0.0182
29	P.	1	13.4	−47.51			
30	M.	4	14.05	−47.868	14.05	−47.868	−0.0181
31	P.	6	17.25	−48.453	17.25	−48.387	−0.0180
Apr. 1	P.	6	8.55	−48.738	8.55	−48.672	−0.0180
17	P.	6	10.80	−55.713	10.80	−55.647	−0.02
18	Ep.	5	12.30	−56.350	12.30	−56.173	−0.02

TABLE IX.—*The Zenith Point Corrections.*

Date.	Observer and Assistant.	Side-real Time.	Ob-served Correc-tion.	Sidereal Time.	Adopt-ed Correc-tion.
1912		h	"	h m h m	"
Jan. 31	Ep.	6. 0	−5. 61	6 35– 8 15	−5. 56
31		8. 0	−5. 51		
Feb. 2	P.	6. 9	−5. 13	7 30– 9 25	−5. 22
2		9. 65	−5. 32		
4	P.	6. 45	−3. 32	7 10– 8 15	−3. 36
4		10. 15	−3. 40	10 9	−3. 40
4		12. 6	−4. 09	12 36	−4. 09
5	M.	1. 0	−3. 30	1 20– 1 30	−3. 30
5	P.	11. 05	−3. 98	11 30–13 40	−4. 15
5		13. 9	−4. 32		
6		2. 0	−4. 16	1 20– 1 30	−4. 16
6		6. 25	−4. 01	6 55– 8 30	−4. 20
6		7. 9	−4. 38		
6	Ep.	12. 5	−4. 34	12 50–13 30	−4. 22
6		14. 0	−4. 09		
7	M.	12. 7	−3. 73	13 5–14 15	−3. 74
7		14. 5	−3. 74		
8		1. 1	−4. 15	1 20– 1 30	−4. 15
8		6. 6	−3. 92	6 55– 8 0	−3. 91
8		8. 2	−3. 90		
8	P.	13. 1	−3. 06	13 20–15 40	−3. 09
8		15. 4	−3. 12		
9		1. 85	−3. 32	1 20– 2 25	−3. 32
27	P.	6. 2	−2. 33	6 30– 8 40	−2. 54
27		9. 15	−2. 74		
28	Ep.	7. 0	−1. 87	7 10– 9 5	−1. 96
28		9. 6	−2. 05		
28	M.	13. 2	−2. 52	13 20–13 30	−2. 52
Mar. 1	P.	6. 8	+1. 27	6 48	+1. 27
1		10. 75	+0. 71	10 45	+0. 71
1	Ep.	13. 2	+0. 59	13 20–13 30	+0. 59
2		2. 0	−0. 13	1 25– 1 30	−0. 13
2		6. 6	−0. 03	6 55–11 10	−0. 28
2		9. 0	−0. 36		
2		11. 6	−0. 46		
6	M.–P.	23. 0	+0. 16	23 10–23 35	+0. 16
7	M.	1. 0	+0. 41	1 25– 1 30	+0. 41
7		6. 2	+0. 34	6 15– 7 15	+0. 40
7		7. 6	+0. 45		
7	P.	12. 75	+0. 65	13 20–13 55	+0. 65
9	P.	13. 9	+0. 29	13 54	+0. 29
9		17. 75	−0. 31	17 45	−0. 31
10	M.	13. 1	+0. 19	13 20–15 40	+0. 25
10		15. 4	+0. 31		
10	M.–P.	23. 3	+1. 87	23 25–23 30	+1. 87
13	Ep.	7. 4	−0. 56	7 40– 8 55	−0. 66
13		9. 5	−0. 75		
13	M.	16. 5	−1. 71	16 50–18 5	−1. 61
13		18. 2	−1. 51		
1912		h	"	h m h m	"
Mar. 13	M.–P.	23. 5	−0. 60	23 35–23 40	−0. 60
16	Ep.–P.	23. 55	+0. 93	23 40–23 50	+0. 93
16	Ep.	0. 8	+0. 92	0 30– 1 30	+0. 92
16		6. 6	+1. 05	6 0– 8 15	+0. 88
16		8. 9	+0. 72		
17	M.	16. 8	+1. 19	16 25–18 5	+1. 18
17		17. 7	+1. 16		
17	M.–P.	23. 7	+1. 78	23 50–23 55	+1. 78
18	M.	0. 6	+1. 66	0 45– 0 50	+1. 66
18		9. 4	+1. 30	8 50– 9 50	+1. 30
18	P.	16. 3	+1. 17	16 50–18 5	+1. 07
18		18. 25	+0. 97		
19	P.–Ep.	0. 3	+1. 08	23 55– 0 0	+1. 08
19	P.	0. 7	+1. 32	0 50– 0 55	+1. 32
19		5. 5	+2. 51	6 0– 7 0	+2. 55
19		7. 4	+2. 59		
20	Ep.–P.	0. 2	+1. 56	23 55– 0 5	+1. 56
22	P.–Ep.	0. 5	+0. 83	0 5– 0 10	+0. 83
22	P.	1. 4	+1. 48	1 5– 1 10	+1. 48
22		5. 5	+1. 68	5 30	+1. 68
22		7. 65	+0. 97	7 39	+0. 97
22	Ep.	15. 6	+1. 24	15 36	+1. 24
22		18. 25	+0. 64	18 15	+0. 64
22	Ep.–P.	0. 0	+0. 20	0 5– 0 15	+0. 20
24	M.–P.	0. 1	+0. 68	0 15– 0 20	+0. 68
25	M.	0. 9	+0. 72	1 20– 1 25	+0. 72
25		5. 5	+0. 66	6 0– 7 45	+0. 59
25		8. 1	+0. 52		
25	P.	16. 45	+0. 65	16 27	+0. 65
25		18. 4	+1. 19	18 24	+1. 19
26.	P.–Ep.	0. 55	−0. 04	0 20– 0 25	−0. 04
26	P.	1. 3	−0. 16	1 25– 1 30	−0. 16
26		5. 5	+1. 91	6 0– 8 30	+1. 77
26		8. 7	+1. 63		
27	Ep.–P.	0. 65	+1. 61	0 20– 0 30	+1. 61
27	M.	16. 8	+1. 79	16 50–18 5	+1. 66
27		18. 2	+1. 54		
29	P.	9. 2	+2. 53	9 45–11 15	+2. 43
29		11. 65	+2. 33		
29	Ep.	16. 2	+1. 28	17 5–18 5	+1. 51
29		18. 8	+1. 74		
29	Ep.–P.	0. 4	+2. 03	0 30– 0 40	+2. 03
30	Ep.	1. 5	+1. 98	1 40– 1 45	+1. 98
30		5. 7	+1. 85	6 0– 6 35	+1. 85

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1912		h	″	h m h m	″
Mar. 31	P.	10.7	+2.10	11 15–12 30	+2.06
31		12.65	+2.03		
Apr. 1	P.–Ep.	0.95	+2.14	0 40– 0 45	+2.14
1	P.	13.45	+2.69	13 50–15 35	+2.90
1		15.75	+3.10		
2	Ep.	13.2	+2.67	13 20–14 15	+2.67
2	Ep.–P.	1.1	+3.08	0 45– 0 55	+3.08
3	Ep.	14.1	+2.83	14 6	+2.83
3		16.8	+2.11	16 48	+2.11
3		18.8	+2.35	17 40–18 20	+2.35
4	Ep.–P.	1.35	+2.51	0 50– 1 0	+2.51
4	Ep.	6.3	+2.03	6 0– 6 5	+2.03
4		9.5	+1.82	7 55– 8 55	+1.92
4	P.	14.45	+2.18	15 0–18 5	+2.12
4		18.25	+2.05		
5	P.–L.	1.25	+1.68	0 55– 1 0	+1.68
5	P.	7.25	+2.08	8 10– 8 55	+2.32
5		9.1	+2.55		
5	Ep.	17.0	+2.84	16 30–18 25	+2.92
5		18.8	+3.01		
5	Ep.–P.	0.8	+3.81	1 0– 1 5	+3.81
6	Ep.	9.5	+3.73	9 40–10 25	+3.85
6		10.9	+3.97		
6	P.	16.5	+4.48	16 50–18 5	+4.40
6		18.6	+4.31		
7	Ep.–P.	0.85	+4.28	1 5– 1 15	+4.28
8	Ep.	8.9	+2.99	9 10–10 0	+2.89
8		10.5	+2.79		
8	P.	16.85	+2.47	17 30–19 25	+2.32
8		19.55	+2.16		
8	P.–Ep.	1.1	+1.50	1 10– 1 15	+1.50
9	P.	6.45	+2.82	6 27	+2.82
9		9.55	+3.43	9 33	+3.43
10	Ep.	6.4	+2.43	6 0– 6 5	+2.43
10	P.	16.9	+1.70	17 30–18 25	+1.46
10		20.8	+1.21		
10	P.–Ep.	1.2	+1.52	1 15– 1 25	+1.52
11	P.	6.3	+3.21	7 0–11 20	+3.30
11		11.7	+3.39		
11	Ep.	16.5	+3.03	17 10–18 20	+2.83
11		18.9	+2.63		
11	Ep.–P.	1.1	+3.47	1 20– 1 25	+3.47
1912		h	″	h m h m	″
Apr. 14	P.	7.95	+2.02	8 20– 9 15	+1.95
14		9.45	+1.88		
18	P.	17.05	+1.61	17 40–19 0	+1.74
18		19.5	+1.87		
19	Ep.	17.7	+1.43	16 30–17 10	+1.43
20	Ep.–P.	2.2	+1.44	1 50– 1 55	+1.44
20	Ep.	9.9	+1.66	9 0–10 25	+1.66
22	P.	17.1	+2.30	17 30–18 20	+2.30
22	P.–Ep.	1.9	+2.29	2 0– 2 10	+2.29
23	P.	7.5	+2.45	8 5–10 0	+2.26
23		10.4	+2.08		
23	Ep.	18.0	+1.61	16 50–19 0	+1.61
23	Ep.–P.	1.9	+2.22	2 5– 2 10	+2.22
24	M.	17.3	+2.36	17 18	+2.36
24		18.6	+1.83	18 36	+1.83
24	M.–P.	1.9	+1.60	2 10– 2 15	+1.60
25	M.	8.8	+1.77	9 25–10 25	+1.78
25		10.7	+1.79		
27	Ep.	10.1	+3.43	10 6	+3.43
27		12.7	+2.36	12 42	+2.36
30	Ep.–M.	2.4	+1.73	2 30– 2 40	+1.73
May 1	Ep.	9.9	+2.44	9 20–12 30	+2.41
1		13.1	+2.38		
1	M.	15.0	+2.09	15 10–16 55	+2.23
1		16.6	+2.37		
1	M.–P.	2.4	+2.16	2 35– 2 40	+2.16
2	M.	9.1	+2.13	9 20–10 30	+2.32
2		11.7	+2.50		
2	P.	15.5	+3.05	16 5–19 0	+2.85
2		19.3	+2.65		
2	P.–Ep.	2.5	+2.47	2 40– 2 45	+2.47
3	P.	9.0	+2.37	9 20–12 20	+2.26
3		12.5	+2.16		
3	Ep.	15.4	+2.41	16 10–17 40	+2.40
3		18.4	+2.40		
3	Ep.–P.	2.5	+2.15	2 40– 2 50	+2.15
4	Ep.	10.0	+2.68	9 20–11 10	+2.63
4		11.5	+2.58		
4	P.	16.2	+2.43	16 45–18 20	+2.28
4		18.5	+2.13		

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1912		h	"	h m h m	"
May 8	M.	17. 1	+2. 55	17 6	+2. 55
8		20. 8	+1. 90	20 48	+1. 90
9	M.–P.	3. 3	+2. 70	3 0– 3 10	+2. 70
9	M.	10. 1	+2. 57	10 25–11 35	+2. 56
9		11. 4	+2. 56		
9	P.	18. 3	+1. 80	18 40–22 25	+1. 58
9		21. 95	+1. 37		
9		1. 85	+1. 75	1 30– 1 35	+1. 75
9	P.–Ep.	2. 9	+1. 79	3 5– 3 15	+1. 79
10	P.	9. 95	+1. 84	9 20–13 25	+1. 71
10		13. 65	+1. 58		
10	Ep.	19. 0	+2. 41	18 0–19 45	+2. 41
10		2. 0	+2. 11	1 35– 1 40	+2. 11
11	Ep.–P.	3. 4	+2. 55	3 10– 3 15	+2. 55
13	P.	17. 0	+2. 85	16 0–17 40	+2. 85
13		2. 0	+1. 95	1 45– 1 50	+1. 95
13	P.–Ep.	3. 2	+1. 60	3 20– 3 30	+1. 60
17	Ep.	17. 5	+2. 12	17 30	+2. 12
17		22. 1	+1. 40	22 6	+1. 40
17		2. 5	+1. 66	2 0– 2 5	+1. 66
17	Ep.–P.	3. 5	+1. 57	3 35– 3 45	+1. 57
18	Ep.	11. 0	+2. 64	11 15–12 30	+2. 64
19	M.	19. 2	+3. 59	18 55–21 25	+3. 56
19		21. 6	+3. 54		
19		2. 5	+3. 73	2 10– 2 15	+3. 73
19	M.–P.	3. 6	+3. 81	3 45– 3 50	+3. 81
20	M.	11. 2	+4. 87	11 30–12 30	+4. 87
20	P.	19. 05	+5. 38	19 25–20 10	+5. 38
20		2. 7	+5. 01	2 15– 2 20	+5. 01
20	P.–Ep.	3. 6	+4. 79	3 50– 3 55	+4. 79
21	P.	9. 0	+5. 13	9 0	+5. 13
21		12. 6	+5. 79	12 36	+5. 79
21	Ep.	19. 2	+5. 72	19 25–21 25	+5. 54
21		20. 7	+5. 35		
21	Ep.–P.	3. 65	+5. 12	3 55– 4 0	+5. 12
22	Ep.	10. 2	+5. 11	9 20–13 0	+5. 12
22		13. 3	+5. 14		
23	M.–P.	4. 2	+4. 26	3 55– 4 5	+4. 26
23	P.	2. 8	+4. 19	2 35– 2 40	+4. 19
23	P.–Ep.	3. 8	+3. 37	4 0– 4 10	+3. 37
24	P.	11. 3	+5. 62	11 30–13 10	+5. 48
24		13. 6	+5. 33		
1912		h	"	h m h m	"
May 24	Ep.	20. 8	+5. 27	19 40–20 15	+5. 27
24		3. 0	+4. 01	2 40– 2 45	+4. 01
24	Ep.–P.	4. 0	+3. 68	4 5– 4 10	+3. 68
25	Ep.	13. 8	+3. 88	12 20–13 35	+3. 88
26	P.	12. 4	+2. 77	12 55–13 45	+2. 76
26		13. 95	+2. 74		
26	M.	19. 5	+2. 49	19 40–21 25	+2. 36
26		21. 1	+2. 24		
26	M.–P.	4. 0	+2. 40	4 15– 4 20	+2. 40
27	M.	12. 3	+3. 21	12 50–13 40	+3. 35
27		13. 8	+3. 49	14 0–14 5	+3. 49
27	P.	19. 05	+4. 04	19 45–21 25	+3. 92
27		21. 7	+3. 79		
27		3. 35	+3. 78	2 55– 3 0	+3. 78
27	P.–Ep.	4. 05	+3. 25	4 15– 4 25	+3. 25
28	P.	14. 1	+5. 79	14 40–15 45	+5. 66
28		15. 9	+5. 54		
30	P.	15. 9	+4. 74	16 20–17 40	+4. 54
30	P.–M.	16. 8	+4. 54		
30	P.	17. 9	+4. 34		
30	P.	3. 6	+2. 99	3 15– 3 20	+2. 99
30	P.–Ep.	4. 4	+3. 02	4 30– 4 35	+3. 02
31	P.	11. 85	+3. 03	12 25–13 25	+3. 01
31		13. 55	+2. 99		
31	Ep.	15. 9	+3. 50	16 20–17 35	+3. 56
31		18. 2	+3. 62		
31		3. 8	+2. 76	3 25– 3 30	+2. 76
31	Ep.–P.	4. 45	+2. 82	4 30– 4 40	+2. 82
June 1	Ep.	13. 3	+3. 52	12 50–13 55	+3. 52
1	P.	17. 7	+4. 17	18 15–20 50	+4. 26
1		21. 15	+4. 36		
2		3. 95	+5. 08	3 40– 3 45	+5. 08
2	P.–Ep.	4. 4	+5. 09	4 40– 4 50	+5. 09
3	P.	12. 55	+4. 72	12 50–13 35	+4. 74
3		13. 8	+4. 77		
3	M.	20. 6	+4. 84	19 40–20 25	+4. 84
4	Ep.	20. 9	+5. 29	19 40–20 0	+5. 29
4	Ep.–P.	4. 7	+4. 36	4 50– 4 55	+4. 36
5	Ep.	16. 0	+3. 76	15 10–16 35	+3. 76
5	M.	19. 5	+4. 08	19 40–22 5	+4. 16
5		21. 5	+4. 24		
7	P.–Ep.	6. 05	+2. 74	5 0– 5 5	+2. 74

Table IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Side-real Time.	Ob-served Correc-tion.	Sidereal Time.	Adopt-ed Correc-tion.
1912		h	″	h m h m	″
June 7	P.	12.6	+2.81	12 55–13 45	+2.81
7	Ep.	20.9	+2.46	20 54	+2.46
7		23.2	+1.59	23 12	+1.59
7	Ep.–P.	4.55	+1.57	4 20– 5 10	+1.57
8	Ep.	16.0	+1.98	15 10–16 35	+1.98
8	P.	19.6	+1.09	20 10–21 25	+1.09
8		0.05	−0.22	0 15– 0 20	−0.22
9	M.	21.2	+0.69	20 5–20 55	+0.69
9		1.7	+0.60	1 25– 1 30	+0.60
9	M.–P.	4.9	+1.46	4 35– 5 20	+1.46
10	M.	13.8	+1.95	13 20–16 35	+2.06
10		16.15	+2.16		
10	P.	20.25	+2.04	19 45–20 50	+2.04
10		1.7	+1.15	1 25– 1 30	+1.15
10	P.–Ep.	5.05	+1.46	4 45– 5 20	+1.46
11	P.	12.8	+2.73	13 20–15 10	+2.80
11		15.35	+2.88		
11	Ep.	20.6	+2.67	19 50–21 30	+2.67
11	Ep.–P.	5.15	+1.98	4 55– 5 25	+1.98
12	M.	21.1	+3.44	20 5–20 55	+3.44
12	M.–P.	5.2	+3.55	5 5– 5 30	+3.55
13	M.	13.1	+2.91	13 20–14 10	+2.91
13	P.	20.45	+2.64	19 40–20 15	+2.64
16	P.	19.9	+3.72	20 35–21 45	+3.82
16		21.9	+3.91		
16		1.1	+3.52	1 25– 1 30	+3.52
16	P.-M.	5.5	+3.91	5 40– 5 45	+3.91
17	P.	13.15	+5.40	13 20–14 50	+5.24
17		15.0	+5.08		
19	M.–P.	5.7	+3.11	5 50– 6 15	+3.11
20	M.	10.9	+3.69	11 15–15 5	+3.70
20		14.4	+3.72		
20	P.	20.35	+3.54	20 21	+3.54
20		0.7	+2.49	0 42	+2.49
20	P.–M.	5.75	+3.17	5 55– 6 5	+3.17
21	P.	6.6	+3.10	6 20– 6 25	+3.10
21		11.75	+3.81	12 5–15 5	+4.01
21		15.25	+4.21		
21	M.	21.4	+4.43	20 45–21 50	+4.43
21		1.1	+3.92	1 20– 1 30	+3.92
21	M.–P.	6.2	+3.95	6 0– 6 35	+3.95
1912		h	″	h m h m	″
June 23	P.	15.35	+4.34	15 0–16 55	+4.34
23	P.	17.1	+4.33		
23	P.–M.	6.0	+3.54	6 10– 6 15	+3.54
24	P.	7.0	+3.90	6 50– 6 55	+3.90
24		13.9	+4.51	14 35–15 45	+4.58
24		15.9	+4.66		
25	P.	20.95	+4.69	21 25–22 15	+4.69
25		1.15	+4.12	1 25– 1 30	+4.12
25	P.–M.	6.15	+4.03	6 15– 6 25	+4.03
28	P.	13.7	+4.53	13 20–18 15	+4.65
28		16.55	+4.70		
28		18.45	+4.71		
28	M.–P.	6.3	+4.09	6 30– 6 35	+4.09
29	M.	7.8	+3.86	7 30– 7 35	+3.86
29		16.6	+5.09	16 20–19 15	+5.12
29		18.5	+5.16		
30	P.	22.95	+3.65	22 10–22 20	+3.65
July 1	P.–M.	7.1	+3.28	6 40– 6 45	+3.28
1	P.	8.1	+3.43	7 50– 7 55	+3.43
1		15.35	+3.59	16 10–17 10	+3.72
1		17.35	+3.86		
1	M.–P.	6.5	+3.10	6 40– 6 50	+3.10
2	M.	7.8	+2.86	7 55– 8 0	+2.86
2		13.9	+4.10	13 20–16 25	+4.26
2		16.0	+4.41		
2	P.	19.7	+4.89	20 15–21 50	+4.67
2		21.95	+4.45		
3	P.–M.	7.1	+4.56	6 45– 6 55	+4.56
3	P.	8.3	+4.46	8 5– 8 10	+4.46
3		14.5	+5.29	15 0–15 50	+5.35
3		16.1	+5.41		
4	P.	21.5	+6.37	22 0–23 20	+6.18
4		23.5	+5.98		
4		1.75	+5.48	1 25– 1 30	+5.48
5		8.5	+5.55	8 20– 8 25	+5.55
5		12.85	+6.13	13 20–15 50	+6.37
5		16.0	+6.61		
5	M.	20.8	+6.90	21 5–22 10	+6.90
5		1.0	+5.94	0 0– 1 30	+5.94
5	M.–P.	6.8	+4.94	7 0– 7 5	+4.94
6	M.	8.2	+5.38	8 25– 8 30	+5.38
6		14.0	+6.02	13 20–15 50	+6.20
6		16.2	+6.37		
6	P.	19.7	+6.58	20 15–23 5	+6.53
6		23.3	+6.48	0 45– 0 50	+5.94
6		0.95	+5.94		
7	M.	21.4	+6.79	20 10–21 10	+6.79
7		1.8	+6.23	1 20– 1 35	+6.23

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1912		h	″	h m h m	″
July 7	M.–P.	7.1	+6.43	7 5– 7 15	+6.43
8	M.	8.5	+5.94	8 40– 8 45	+5.94
8		13.8	+6.51	13 20–16 15	+6.72
8		16.0	+6.92		
8	P.	21.7	+7.34	21 42	+7.34
8		1.75	+6.88	1 45	+6.88
8	P.–M.	7.1	+6.49	7 10– 7 20	+6.49
9	P.	9.0	+6.60	8 45– 8 50	+6.60
9		12.95	+7.31	13 20–16 15	+7.34
9		16.4	+7.38		
9	M.	22.5	+7.20	22 5–23 5	+7.20
9	M.–P.	7.1	+6.69	7 15– 7 20	+6.69
10	M.	9.1	+6.53	8 50– 8 55	+6.53
10	P.–M.	7.1	+6.84	7 20– 7 25	+6.84
11	P.	14.85	+7.51	15 30–16 15	+7.36
11		16.55	+7.20		
12	M.	16.5	+7.05	16 50–18 5	+7.05
12	P.	19.75	+7.03	20 15–21 30	+6.96
12		21.7	+6.90		
12		2.2	+6.92	1 25– 1 55	+6.92
12	P.–M.	7.3	+6.14	7 25– 7 35	+6.14
13	P.	9.6	+2.91	9 10– 9 15	+2.91
13		12.9	+6.95	12 54	+6.95
13		16.5	+7.48	16 30	+7.48
14	M.–P.	7.4	+6.47	7 35– 7 45	+6.47
15	M.	18.0	+6.91	18 15–20 20	+6.88
15		19.9	+6.84		
15	P.	22.25	+7.07	22 45– 1 30	+6.84
15		1.7	+6.61		
15	P.–M.	7.5	+6.37	7 40– 7 45	+6.37
16	P.	15.35	+6.95	16 10–17 40	+6.95
16		17.9	+6.95		
16	M.–P.	7.5	+6.45	7 45– 7 50	+6.45
18	Ep.–M.	7.6	+6.28	7 50– 8 0	+6.28
19	Ep.	10.0	+6.39	9 40– 9 45	+6.39
19		13.0	+6.28	12 35–13 30	+6.28
19		19.1	+5.54	17 40–18 50	+5.54
21	M.–Ep.	7.9	+5.08	8 5– 8 10	+5.08
22	M.	15.4	+5.30	15 10–17 10	+5.32
22		16.7	+5.34		
22	Ep.	23.8	+5.16	23 0– 1 30	+5.05
22		1.1	+4.94		
23		16.7	+5.45	16 42	+5.45
23		18.5	+4.93	18 30	+4.93

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1912		h	″	h m h m	″
July 25	M.–Ep.	8.5	+4.49	8 15– 8 25	+4.49
25	M.	18.2	+4.71	17 55–20 20	+4.78
25		19.8	+4.85		
26	Ep.	18.3	+5.36	18 18	+5.36
26		20.6	+4.56	20 36	+4.56
26	Ep.–L.	8.2	+4.07	8 25– 8 30	+4.07
27	Ep.	9.5	+3.91	10 10–10 15	+3.91
27		13.1	+4.06	13 20–13 30	+4.06
27		18.9	+4.72	19 20–20 40	+4.76
27		21.0	+4.81		
28	P.	19.4	+5.26	19 50–20 55	+5.33
28		21.1	+5.40		
29	Ep.–P.	21.7	+5.36	21 30–21 35	+5.36
29	Ep.	21.8	+5.71	22 0–22 40	+5.71
29	Ep.–P.	8.5	+5.23	8 35– 8 40	+5.23
30	Ep.	18.2	+5.21	17 30–19 0	+5.21
30	P.	21.75	+4.83	22 15–23 5	+4.64
30		23.25	+4.46		
31	P.–Ep.	9.0	+4.59	8 40– 8 45	+4.59
31	P.	19.15	+5.32	19 20–20 0	+5.32
31	Ep.–P.	9.0	+4.44	8 45– 8 50	+4.44
Aug. 1	Ep.	18.2	+5.09	18 20–19 25	+5.09
1	P.	23.1	+4.69	23 6	+4.69
1		0.9	+3.73	0 54	+3.73
1	P.–Ep.	8.6	+3.95	8 45– 8 55	+3.95
2	P.	18.5	+4.20	18 30	+4.20
2		19.7	+5.14	19 42	+5.14
2	Ep.	2.1	+4.43	0 30– 1 30	+4.43
3	P.	0.0	+3.86	0 0	+3.86
3		1.85	+3.28	1 51	+3.28
4	Ep.	0.4	+3.17	0 40– 2 5	+3.15
4		2.7	+3.13		
4	Ep.–P.	8.85	+3.43	9 0– 9 5	+3.43
5	Ep.	18.9	+3.66	19 20–20 15	+3.70
5		20.8	+3.75		
5	P.	0.0	+3.41	0 40– 1 55	+3.30
5		2.45	+3.18		
6	Ep.	1.0	+4.21	0 5– 0 45	+4.21
6	Ep.–P.	9.1	+3.58	9 5– 9 15	+3.58
7	Ep.	18.0	+4.20	17 10–18 25	+4.20

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1912		h	″	h m h m	″
Aug. 7	P.	0.4	+5.29	0 24	+5.29
7		2.05	+4.34	2 3	+4.34
12	P.	19.2	+6.85	19 12	+6.85
12		21.0	+6.15	21 0	+6.15
13	P.	16.4	+6.48	17 5–17 45	+6.40
13		18.6	+6.31		
14	Ep.	1.8	+5.96	0 40– 2 5	+5.96
14	Ep.–P.	9.5	+5.54	9 35– 9 45	+5.54
15	Ep.	13.8	+5.07	13 25–13 30	+5.07
15		19.6	+5.65	18 55–20 15	+5.65
15	P.	0.35	+6.16	0 55– 2 5	+6.04
15		2.3	+5.91		
16	P.–Ep.	10.0	+4.96	9 40– 9 50	+4.96
16	P.	12.95	+5.35	13 20–13 30	+5.35
16		17.15	+5.34	17 30–19 50	+5.28
16		20.05	+5.22		
18	P.	16.75	+6.86	16 50–18 5	+6.81
18		18.25	+6.76		
18	M.	1.2	+6.39	0 55– 2 5	+6.39
18	M.–P.	9.6	+5.85	9 50–10 0	+5.85
20	M.	19.2	+5.75	19 25–20 15	+5.75
20	M.–Ep.	9.9	+5.74	10 0–10 5	+5.74
21	Ep.–M.	9.9	+5.55	10 5–10 10	+5.55
22	Ep.	19.0	+6.18	18 30–19 25	+6.18
23	M.	19.2	+4.82	18 40–20 15	+4.82
23	Ep.	2.5	+4.11	1 20– 3 10	+4.11
23	Ep.–M.	10.1	+4.43	10 10–10 15	+4.43
24	Ep.	13.9	+4.94	13 20–13 30	+4.94
24		19.9	+5.47	18 40–20 25	+5.47
25	M.	19.1	+5.82	19 20–21 15	+5.74
25		20.3	+5.66		
27	M.	2.3	+4.68	1 20– 2 5	+4.68
27	M.–Ep.	10.2	+3.81	10 25–10 30	+3.81
29	Ep.–M.	10.8	+3.68	10 30–10 35	+3.68
29	Ep.	23.9	+4.26	22 40– 0 20	+4.26
30	M.	13.7	+4.39	13 20–13 30	+4.39
31	M.	2.3	+4.43	1 35– 2 45	+4.43
Sept. 5	Ep.	3.7	+6.47	2 50– 4 10	+6.47
5	Ep.–M.	10.8	+6.14	10 55–11 5	+6.14
6	Ep.	12.9	+5.76	13 20–13 30	+5.76
6		19.3	+6.65	18 40–19 45	+6.65
1912		h	″	h m h m	″
Sept. 6	M.	3.7	+6.18	3 20– 4 25	+6.18
6	M.–Ep.	11.3	+6.26	11 0–11 5	+6.26
8	Ep.	1.2	+5.36	0 40– 2 25	+5.36
8		10.4	+5.26	10 0–10 5	+5.26
8	Ep.–M.	11.0	+5.50	11 5–11 15	+5.50
9	Ep.	18.6	+5.64	18 15–19 30	+5.64
9	M.	4.4	+5.97	3 25– 4 10	+5.97
9		10.4	+6.01	10 5–10 10	+6.01
9	M.–Ep.	11.0	+5.49	11 10–11 20	+5.49
10	M.	12.9	+5.41	13 20–13 30	+5.41
10		18.5	+6.57	18 0–19 5	+6.57
10	Ep.	3.3	+6.08	3 25– 6 5	+5.88
10		5.6	+5.68		
10		10.5	+6.10	10 10–10 15	+6.10
10	Ep.–M.	11.1	+5.90	11 15–11 20	+5.90
11	Ep.	12.8	+6.56	13 20–13 30	+6.56
12		5.4	+5.36	4 5– 6 5	+5.36
12	Ep.–M.	11.3	+5.07	11 20–11 30	+5.07
13	Ep.	12.8	+4.65	13 20–13 30	+4.65
13		19.2	+4.99	18 15–19 5	+4.99
15	M.	5.3	+6.64	4 5– 5 5	+6.64
16	M.–P.	11.8	+6.57	11 35–11 40	+6.57
16	P.	11.1	+5.67	10 50–10 55	+5.67
17		16.8	+5.71	17 15–19 25	+5.78
17		19.7	+5.86		
19	M.	20.2	+4.51	19 5–20 0	+4.51
19	P.	2.7	+4.59	2 42	+4.59
19		4.25	+3.49	4 15	+3.49
19		11.4	+4.35	11 10–11 15	+4.35
19	P.–Ep.	11.5	+3.79	11 45–11 55	+3.79
20	P.	17.7	+5.61	17 42	+5.61
20		20.4	+4.65	20 24	+4.65
20	Ep.	5.0	+4.35	4 20– 5 35	+4.35
20	Ep.–P.	11.5	+4.31	11 15–12 0	+4.31
21	Ep.	12.8	+4.53	13 20–13 30	+4.53
21		18.6	+4.94	18 0–19 50	+4.95
21		20.1	+4.96		
22	P.	20.35	+4.13	20 50–21 50	+3.86
22		23.3	+3.58		
27	Ep.	2.3	+3.17	1 30– 3 10	+3.17
27	Ep.–P.	11.9	+1.73	12 5–12 25	+1.73

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1912		h	″	h m h m	″
Sept. 28	Ep.	13. 0	+2. 01	13 20–13 30	+2. 01
28		18. 4	+2. 75	18 0–19 45	+2. 75
28	P.	1. 3	+2. 39	1 40– 3 10	+2. 34
28		3. 35	+2. 29		
29	M.	3. 8	+2. 26	3 15– 4 35	+2. 26
29	M.–P.	12. 2	+1. 42	12 25–12 30	+1. 42
30	M.	17. 8	+1. 76	18 0–19 45	+1. 80
30		19. 9	+1. 84		
30	P.	3. 05	+1. 58	3 40– 4 35	+1. 39
30		4. 8	+1. 20		
Oct. 3	P.	5. 1	+2. 63	5 30– 7 30	+2. 46
3		7. 65	+2. 29		
4	P.–Ep.	12. 95	+3. 46	12 40–12 45	+3. 46
4	P.	17. 5	+4. 59	18 0–19 45	+4. 51
4		19. 95	+4. 43		
4	Ep.	7. 0	+3. 89	5 50– 8 35	+3. 65
4		8. 7	+3. 41		
4	Ep.–P.	12. 5	+3. 80	12 40–12 50	+3. 80
5	Ep.	20. 9	+4. 29	20 10–21 45	+4. 29
6	Ep.	6. 3	+3. 55	5 30– 6 45	+3. 55
6	Ep.–P.	12. 6	+4. 09	12 50–12 55	+4. 09
7	Ep.	18. 5	+4. 28	18 0–18 45	+4. 28
7	P.	22. 45	+4. 32	22 27	+4. 32
7		0. 3	+3. 74	0 18	+3. 74
7	P.–Ep.	12. 7	+2. 24	12 50–13 10	+2. 24
8	P.	18. 35	+2. 49	18 55–19 50	+2. 34
8		20. 0	+2. 20		
9	P.	3. 35	+2. 63	3 50– 5 55	+2. 45
9		6. 15	+2. 27		
10	P.–Ep.	13. 5	+3. 35	13 0–13 25	+3. 35
10	P.	18. 35	+4. 98	18 55–19 50	+4. 95
10		19. 95	+4. 92		
10	Ep.	7. 0	+4. 85	5 50– 7 15	+4. 85
10	Ep.–P.	13. 0	+4. 75	13 5–13 10	+4. 75
11	Ep.	20. 2	+5. 72	19 40–20 50	+5. 72
14	P.	4. 9	+1. 67	5 0– 6 5	+1. 68
14		6. 3	+1. 69		
15	P.–Ep.	13. 7	+2. 14	13 20–13 25	+2. 14
15	P.	18. 8	+2. 09	19 0–19 55	+1. 92
15		20. 0	+1. 74		
15	Ep.	6. 7	+1. 29	6 0– 7 45	+1. 29
1912		h	″	h m h m	″
Oct. 15	Ep.–P.	13. 2	+0. 75	13 20–13 30	+0. 75
16	Ep.	18. 5	+1. 28	18 0–20 0	+1. 10
16		20. 3	+0. 92		
16	M.	6. 8	+0. 56	6 35– 7 25	+0. 56
16	M.–P.	13. 7	+0. 39	13 25–14 5	+0. 39
17	P.	3. 9	+1. 31	4 15– 6 5	+1. 17
17		6. 25	+1. 03		
18	P.–Ep.	13. 9	+1. 70	13 30–13 35	+1. 70
18	P.	19. 1	+3. 11	19 20–20 55	+3. 04
18		21. 1	+2. 97		
20	P.	21. 3	+2. 53	21 45–22 40	+2. 34
20		22. 9	+2. 16		
20	M.	6. 1	+1. 68	6 55– 8 15	+1. 46
20		7. 9	+1. 24		
20	M.–P.	13. 9	+1. 84	13 40–13 50	+1. 84
25	P.–Ep.	1. 75	+0. 65	2 0– 2 5	+0. 65
25	P.	1. 85	+0. 84	1 51	+0. 84
25		4. 5	−0. 41	4 30	−0. 41
26	P.–L.	14. 35	+1. 11	14 0–14 5	+1. 11
26	P.	2. 3	+0. 59	2 55– 4 5	+0. 44
26		4. 35	+0. 28		
27	M.	3. 6	+0. 13	3 50– 6 5	+0. 20
27		5. 8	+0. 26		
27	M.–P.	14. 0	+0. 37	14 5–14 15	+0. 37
28	M.	21. 4	−2. 67	21 5–22 10	−2. 67
28	P.	3. 5	+0. 78	4 0– 5 15	+0. 72
28		5. 4	+0. 67		
28		13. 9	+1. 19	13 20–13 30	+1. 19
28	P.–Ep.	14. 05	+1. 07	14 10–14 20	+1. 07
29	P.	15. 4	+1. 65	15 15–15 20	+1. 65
29		19. 65	+2. 37	20 5–21 45	+2. 28
29		21. 9	+2. 20		
29	Ep.	5. 4	+1. 83	5 30– 6 35	+1. 70
29		6. 9	+1. 57		
30	Ep.–P.	14. 6	+2. 08	14 15–14 20	+2. 08
30	Ep.	21. 9	+2. 38	21 5–22 20	+2. 38
30	M.	4. 3	+1. 59	4 18	+1. 59
30		6. 7	+1. 05	6 42	+1. 05
30	M.–P.	14. 2	+1. 44	14 20–14 25	+1. 44
31	M.	20. 3	+1. 11	20 25–21 45	+1. 11
Nov. 2	P.	7. 0	−0. 20	7 0	−0. 20
2		10. 4	−1. 03	10 24	−1. 03

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Side-real Time.	Ob-served Correc-tion.	Sidereal Time.	Adopt-ed Correc-tion.
1912		h	″	h m h m	″
Nov. 3	M.	11. 2	−0. 20	11 0–11 5	−0. 20
3	M.–Ep.	14. 4	−1. 05	14 35–14 40	−1. 05
4	M.	23. 8	−1. 18	23 55– 0 40	−1. 18
4	Ep.	8. 6	−0. 34	8 10– 9 30	−0. 34
5	Ep.–M.	14. 9	−0. 74	14 40–14 45	−0. 74
5	Ep.	16. 1	+0. 04	15 55–16 0	+0. 04
5		20. 3	+0. 41	20 5–21 45	+0. 41
7	P.	9. 0	+0. 66	9 0	+0. 66
7		9. 9	−0. 28	9 54	−0. 28
8	P.–Ep.	15. 2	+1. 39	14 50–15 0	+1. 39
8	P.	19. 95	+2. 24	19 57	+2. 24
8		22. 25	+1. 58	22 15	+1. 58
8	Ep.	8. 5	+0. 64	8 10– 9 30	+0. 64
10	M.	13. 7	−0. 62	13 20–13 30	−0. 62
10	M.–P.	14. 9	+0. 47	15 5–15 10	+0. 47
11	M.	16. 7	+0. 59	16 30–16 35	+0. 59
11		20. 9	+1. 20	21 5–22 40	+1. 20
11	P.	7. 6	+0. 72	8 40– 9 45	+0. 59
11		9. 9	+0. 46		
11		13. 75	+0. 70	13 20–13 30	+0. 70
12	P.–Ep.	15. 5	+2. 39	15 5–15 15	+2. 39
12	P.	20. 0	+2. 18	20 25–21 45	+2. 14
12		21. 9	+2. 11		
15	P.–Ep.	15. 6	+2. 31	15 20–15 25	+2. 31
15	P.	20. 1	+1. 75	20 6	+1. 75
15		22. 5	+1. 09	22 30	+1. 09
15	Ep.	14. 2	+1. 83	13 20–13 30	+1. 83
15	Ep.–P.	15. 25	+1. 68	15 25–15 30	+1. 68
16	Ep.	22. 4	+1. 84	21 25–23 15	+1. 84
17	P.	22. 1	+0. 57	23 0– 0 20	+0. 57
17		0. 45	+0. 57		
18	M.	22. 4	+0. 63	22 35– 0 0	+0. 66
18		0. 2	+0. 70		
18	Ep.	9. 7	+0. 10	9 42	+0. 10
18		13. 9	+1. 25	13 54	+1. 25
19	Ep.–P.	15. 9	+0. 48	15 35–15 45	+0. 48
19	Ep.	17. 4	+0. 87	17 10–17 15	+0. 87
19		23. 7	+1. 13	23 0– 4 0	+1. 02
19		3. 1	+0. 91		
19	P.	7. 6	+0. 72	8 10– 9 25	+0. 73
19		9. 6	+0. 74		
1912		h	″	h m h m	″
Nov. 20	P.–M.	15. 9	+0. 87	15 40–15 45	+0. 87
20	P.	0. 15	+1. 67	0 50– 4 0	+1. 54
20		4. 2	+1. 41		
20	M.	9. 9	+1. 05	8 50–13 30	+1. 10
20		14. 1	+1. 14		
21	M.–P.	16. 0	+1. 33	15 45–15 50	+1. 33
21	M.	17. 5	+1. 77	17 20–17 25	+1. 77
21		0. 9	+2. 65	1 20– 4 0	+2. 40
21		3. 5	+2. 16		
22	P.–Ep.	16. 0	+1. 88	15 50–15 55	+1. 88
22	P.	22. 3	+2. 52	22 35– 0 0	+2. 52
22		0. 9	+2. 53	0 54	+2. 53
22		4. 2	+1. 93	4 12	+1. 93
22	Ep.	9. 9	+1. 71	9 20–13 30	+1. 52
22		14. 0	+1. 34		
23	Ep.–P.	16. 1	+1. 53	15 55–16 0	+1. 53
23	Ep.	17. 7	+1. 72	17 25–17 30	+1. 72
23		2. 3	+1. 32	1 5– 2 5	+1. 32
24	M.	3. 7	+0. 95	3 55– 5 25	+0. 87
24		5. 1	+0. 79		
24		13. 7	+0. 14	13 20–13 30	+0. 14
25	M.–P.	16. 2	+0. 05	16 0–16 10	+0. 05
25	M.	23. 6	+0. 05	23 55– 1 35	+0. 03
25		1. 7	+0. 01		
25	P.	5. 1	+0. 08	5 35– 7 0	+0. 08
25		7. 2	+0. 07		
25		13. 7	+0. 26	13 20–13 30	+0. 26
26	P.–Ep.	16. 3	−0. 08	16 5–16 15	−0. 08
26	P.	20. 7	−0. 61	21 10–22 40	−0. 57
26		22. 8	−0. 53		
26	Ep.–P.	6. 9	−0. 67	6 45– 6 50	−0. 67
26	Ep.	7. 05	−0. 34	7 10– 8 25	−0. 34
27	Ep.–P.	16. 5	−0. 16	16 10–16 15	−0. 16
28	P.	6. 75	−0. 12	7 20– 9 0	−0. 09
28		9. 2	−0. 06		
28		13. 7	+0. 24	13 20–13 30	+0. 24
29	P.–Ep.	16. 5	−0. 49	16 20–16 25	−0. 49
29	P.	17. 8	−0. 32	17 35–17 40	−0. 32
29		23. 45	−0. 75	0 0– 1 35	−0. 79
29		1. 75	−0. 83		
29	Ep.	9. 1	−0. 39	9 25–11 15	−0. 58
29		11. 0	−0. 78		
29		14. 1	−0. 85	13 20–13 30	−0. 85
30	Ep.–P.	16. 75	−0. 20	16 25–16 30	−0. 20

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Side-real Time.	Ob-served Correc-tion.	Sidereal Time.	Adopt-ed Correc-tion.
1912		h	″	h m h m	″
Nov. 30	Ep.	0.8	−0.45	1 20– 3 55	−0.53
30		3.5	−0.61		
30	P.	8.8	−0.49	9 20–11 15	−0.64
30		11.4	−0.80		
Dec. 2	P.	8.6	+2.27	9 10–13 30	+2.20
2		12.75	+2.13		
3	P.–Ep.	16.8	+2.47	16 35–16 45	+2.47
3	P.	22.3	+2.45	22 35– 1 35	+2.56
3		1.7	+2.67		
3	Ep.	4.3	+2.76	3 50– 5 55	+2.63
3		5.7	+2.50		
8	M.	10.0	+3.94	10 25–13 30	+4.54
8		13.0	+5.13		
8	M.–P.	16.9	+4.50	17 0–17 10	+4.50
9	M.	23.7	+4.66	23 42	+4.66
9		1.7	+3.91	1 42	+3.91
9	P.	10.0	+3.54	10 25–13 30	+3.44
9		15.8	+3.35		
10	P.–Ep.	17.35	+3.31	17 5–17 15	+3.31
10	P.	21.8	+2.41	21 48	+2.41
10		23.8	+3.13	23 48	+3.13
11	M.	10.2	+2.83	10 45–12 20	+2.83
11	M.–P.	17.1	+4.52	17 15–17 25	+4.52
12	M.	2.1	+3.29	2 6	+3.29
12		4.3	+3.79	4 18	+3.79
12	P.	10.1	+3.95	10 6	+3.95
12		13.85	+4.60	13 51	+4.60
13	P.–Ep.	17.55	+3.84	17 20–17 25	+3.84
13	P.	21.75	+2.85	21 30– 1 35	+3.00
13		1.75	+3.16		
13	Ep.	3.6	+3.28	3 45– 5 15	+3.32
13		5.4	+3.35		
13		13.8	+3.53	13 20–13 30	+3.53
14	Ep.–P.	17.6	+3.32	17 25–17 30	+3.32
14	Ep.	22.6	+3.72	22 15– 3 50	+3.52
14		1.8	+3.46		
14		3.3	+3.39		
15	P.	22.5	+3.92	23 0– 1 30	+3.86
15		1.75	+3.81		
16	P.	23.2	+4.02	23 45– 1 25	+3.78
16		1.6	+3.53		
16		13.7	+3.43	13 20–13 30	+3.43
19	P.	0.8	+3.48	1 15– 3 45	+3.46
19		3.9	+3.45		
20	P.–Ep.	18.1	+3.92	17 50–17 55	+3.92
1912		h	″	h m h m	″
Dec. 20	P.	0.5	+3.13	1 15– 3 45	+3.32
20		3.9	+3.52		
20	Ep.	16.8	+3.51	16 30–16 35	+3.51
20	Ep.–P.	17.7	+3.59	17 55–18 0	+3.59
21	Ep.	2.5	+3.36	1 25– 4 0	+3.15
21	Ep.–M.	3.7	+2.94		
22	Ep.	5.4	+4.18	5 0– 7 50	+3.97
22		7.3	+3.76		
23	Ep.–P.	18.3	+3.15	18 5–18 10	+3.15
24	P.–M.	18.3	+3.53	18 10–18 15	+3.53
24	P.	22.9	+3.85	23 10– 1 30	+3.66
24		1.7	+3.46		
24		6.8	+2.83	7 10– 8 55	+2.92
24		9.05	+3.00		
25	M.	6.3	+3.64	6 30– 8 30	+3.49
25		8.0	+3.34		
25	M.–Ep.	18.2	+3.57	18 15–18 25	+3.57
27	P.–Ep.	18.6	+3.86	18 20–18 30	+3.86
27	P.	21.6	+4.12	21 20–21 25	+4.12
27		1.65	+3.84	0 35– 2 5	+3.84
27	Ep.	12.6	+3.57	12 0–13 30	+3.77
27		13.9	+3.97		
27		17.2	+3.23	16 50–16 55	+3.23
27	Ep.–P.	18.2	+3.74	18 25–18 35	+3.74
28	Ep.	21.9	+3.59	21 25–21 30	+3.59
28		0.9	+3.68	23 35– 1 30	+3.68
28	P.	7.55	+3.58	7 45–11 25	+3.51
28		10.95	+3.44		
30	P.	11.1	+3.59	11 45–13 30	+3.54
30		13.7	+3.48		
1913					
Jan. 1	Ep.	12.6	+3.11	12 0–13 55	+2.92
1		14.5	+2.74		
1		17.5	+3.09	17 15–17 20	+3.09
1	Ep.–P.	18.7	+3.16	18 45–18 55	+3.16
3	P.	7.1	+3.03	7 40– 9 10	+2.80
3		9.35	+2.58		
3		17.7	+2.94	17 25–17 30	+2.94
3	P.–Ep.	18.8	+3.60	18 55–19 5	+3.60
4	P.	22.2	+3.36	22 0–22 5	+3.36
4		23.75	+3.66	23 50– 1 50	+3.44
4		2.0	+3.22		
5	M.–P.	18.9	+3.10	19 5–19 10	+3.10
7	P.	5.25	+5.86	5 15	+5.86
7		7.4	+4.60	7 24	+4.60

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1913		h	″	h m h m	″
Jan. 8	M.	12.0	+6.40	12 15–13 55	+5.80
8		13.7	+5.20		
8	M.–P.	19.2	+5.45	19 20–19 25	+5.45
9	M.	22.5	+5.19	22 20–22 25	+5.19
9		0.5	+5.31	0 35– 3 5	+5.31
9		2.3	+5.31		
9	Ep.	8.0	+5.28	7 45– 9 25	+5.28
9		9.7	+5.27		
11	P.–Ep.	19.7	+4.03	19 25–19 35	+4.03
11	P.	0.9	+4.94	1 5– 2 5	+4.96
11		2.3	+4.98		
12	M.–P.	19.3	+7.05	19 35–19 45	+7.05
13	M.	22.4	+6.60	22 35–22 40	+6.60
13		0.4	+6.68	0 24	+6.68
13		2.8	+6.12	2 48	+6.12
13	P.	12.3	+5.99	12 18	+5.99
13		14.75	+6.50	14 45	+6.50
13	P.–Ep.	19.5	+5.76	19 40–19 45	+5.76
14	P.	3.55	+5.74	0 55– 3 25	+5.74
14	Ep.	8.1	+5.54	7 45– 9 25	+5.68
14		9.7	+5.81		
15	Ep.–P.	19.95	+5.56	19 45–19 50	+5.56
15	Ep.	0.5	+5.89	1 0– 3 25	+5.88
15		3.8	+5.88		
17	P.–Ep.	20.1	+6.26	19 55–20 0	+6.26
17	P.	0.9	+5.37	0 54	+5.37
17		3.6	+6.12	3 36	+6.12
18	Ep.	3.2	+7.04	2 55– 4 30	+6.80
18		4.7	+6.55		
19	M.	6.0	+6.56	5 30– 7 50	+6.52
19		7.3	+6.47		
19	M.–P.	19.9	+5.44	20 5–20 15	+5.44
21	P.–Ep.	20.4	+6.58	20 10–20 15	+6.58
21	P.	6.1	+7.36	6 55– 8 25	+7.14
21		8.55	+6.91		
21	Ep.	13.2	+6.62	13 20–14 50	+6.59
21		15.1	+6.56		
22	Ep.–P.	20.5	+6.41	20 15–20 20	+6.41
22	Ep.	23.5	+6.98	23 15–23 20	+6.98
22		1.8	+6.94	1 15– 3 45	+6.96
22		3.5	+6.97		
22	M.	6.7	+6.84	6 55– 9 5	+6.88
22		8.5	+6.91		
1913		h	″	h m h m	″
Jan. 25	Ep.–P.	20.7	+7.04	20 25–20 35	+7.04
25	Ep.	0.9	+7.02	1 15– 1 30	+7.02
25		6.1	+6.66	5 50– 7 0	+6.66
25	P.	11.2	+7.01	11 50–15 10	+6.83
25		13.7	+6.80		
25		15.6	+6.69		
27	P.	12.8	+7.91	13 20–14 50	+7.68
27		15.0	+7.45		
27	P.–Ep.	20.5	+7.94	20 40-20 45	+7.94
28	P.	1.2	+7.39	1 15– 3 45	+7.50
28		4.0	+7.61		
29	M.	12.7	+6.29	13 0–15 30	+6.16
29		15.6	+6.02		
29	M.–P.	20.7	+6.63	20 45–20 55	+6.63
30	M.	5.6	+6.16	5 50– 7 15	+6.30
30		7.4	+6.44		
30	P.	13.0	+6.96	13 20–14 50	+7.07
30		15.05	+7.18		
31	P.–M.	21.1	+6.74	20 50–21 0	+6.74
31	M.	13.2	+8.02	13 20–14 50	+8.02
31	M.–P.	20.7	+7.21	20 55–21 5	+7.21
Feb. 4	P.	6.1	+7.36	6 35– 7 45	+7.24
4		8.1	+7.13		
4		13.0	+6.98	13 20–13 30	+6.98
4	P.–Ep.	21.1	+7.63	21 10–21 20	+7.63
5	P.	0.4	+7.75	0 10– 0 15	+7.75
5		2.05	+7.79	2 35– 4 20	+7.71
5		4.55	+7.63		
5	M.–Ep.	21.1	+7.50	21 15–21 25	+7.50
6	M.	0.6	+7.58	0 10– 0 15	+7.58
6		6.8	+7.28	6 15– 7 45	+7.28
6	P.	12.85	+7.69	13 20–14 50	+7.54
6		15.1	+7.39		
6	P.–M.	21.0	+7.32	21 20–21 25	+7.32
7	P.	0.5	+7.16	0 15– 1 30	+7.16
7		2.45	+7.70	2 55– 4 20	+7.55
7		4.5	+7.40		
9	M.	12.8	+7.46	13 0–15 10	+7.38
9		15.3	+7.30		
9	M.–P.	21.3	+7.22	21 30–21 40	+7.22
12	Ep.–P.	21.9	+6.98	21 40–21 45	+6.98
12	Ep.	2.5	+6.82	2 10– 2 15	+6.82
12		5.7	+7.46	5 50– 7 45	+7.38
12		7.3	+7.30		

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1913		h	″	h m h m	″
Feb. 13	M.–P.	21. 6	+7. 24	21 45–21 50	+7. 24
13	M.	3. 3	+6. 46	3 0– 7 45	+6. 44
13		7. 2	+6. 41		
13	P.	12. 8	+6. 98	13 20–15 35	+7. 02
13		15. 75	+7. 06		
13	P.–Ep.	21. 7	+6. 48	21 50–21 55	+6. 48
14	P.	0. 95	+6. 13	0 40– 0 45	+6. 13
14		2. 95	+6. 43	1 25– 4 35	+6. 48
14		4. 7	+6. 53		
14	Ep.	13. 9	+6. 79	13 0–15 45	+6. 90
14		16. 1	+7. 01		
14	Ep.–M.	21. 6	+6. 49	21 50–22 0	+6. 49
15	Ep.	5. 7	+7. 33	5 0– 7 45	+7. 32
15		7. 4	+7. 32		
16	M.	6. 5	+6. 67	6 5– 7 45	+6. 53
16		7. 9	+6. 39		
17	M.	6. 8	+6. 41	6 30– 7 25	+6. 41
17	P.	13. 0	+6. 97	13 20–16 10	+7. 07
17		16. 4	+7. 17		
17	P.–Ep.	21. 8	+7. 29	22 5–22 10	+7. 29
18	P.	1. 15	+7. 15	0 55– 1 55	+7. 15
18		6. 35	+6. 79	6 35– 8 25	+6. 78
18		8. 6	+6. 77		
18	Ep.	13. 9	+7. 04	13 20–15 35	+6. 90
18		15. 4	+6. 77		
19	Ep.–P.	22. 3	+6. 54	22 5–22 35	+6. 54
19	Ep.	0. 6	+7. 06	1 0– 1 30	+7. 06
19		7. 9	+6. 72	7 20– 9 30	+6. 75
19		9. 1	+6. 78		
21	P.–Ep.	22. 6	+7. 21	22 15–22 20	+7. 21
21	P.	3. 4	+7. 48	3 50– 4 55	+7. 44
21		5. 1	+7. 40		
22	P.	11. 3	+7. 96	11 45–13 30	+7. 73
22		13. 7	+7. 50		
24	P.	14. 9	+8. 34	15 10–16 15	+8. 44
24		16. 5	+8. 53		
24	P.–Ep.	22. 25	+7. 52	22 30–22 35	+7. 52
25	P.	1. 65	+7. 18	1 25– 1 55	+7. 18
25		3. 8	+7. 27	4 50– 6 20	+7. 16
25		6. 5	+7. 06		
24	Ep.	15. 6	+7. 47	15 0–16 55	+7. 46
25		16. 7	+7. 45		
27	P.	14. 05	+8. 48	13 20–13 30	+8. 48
27		14. 3	+8. 76	14 45–17 5	+8. 64
27		17. 2	+8. 52		
1913		h	″	h m h m	″
Feb. 28	P.–Ep.	23. 0	+9. 00	22 40–22 50	+9. 00
28	P.	23. 75	+8. 08	23 30–23 35	+8. 08
28		4. 15	+7. 77	4 9	+7. 77
28		6. 0	+8. 28	6 0	+8. 28
Mar. 2	M.	14. 0	+9. 25	13 20–14 50	+9. 25
2	M.–P.	22. 7	+8. 26	22 55–23 55	+8. 26
3	M.	5. 6	+7. 64	5 20– 6 40	+7. 64
4	Ep.–P.	22. 9	+8. 36	23 0–23 5	+8. 36
5	Ep.	0. 6	+8. 35	0 0– 1 45	+8. 35
5		6. 1	+8. 16	5 50– 7 25	+8. 22
5		7. 2	+8. 28		
5	M.–P.	22. 9	+8. 83	23 5–23 10	+8. 83
6	M.	0. 4	+8. 67	0 5– 1 55	+8. 67
6		5. 7	+8. 56	5 10– 6 20	+8. 56
6	P.	14. 05	+9. 92	14 3	+9. 92
6		15. 75	+9. 15	15 45	+9. 15
6	P.–Ep.	22. 95	+8. 98	23 10–23 15	+8. 98
7	P.	0. 4	+8. 11	0 10– 0 15	+8. 11
7		2. 35	+8. 51	1 25– 2 5	+8. 51
7		4. 65	+8. 19	4 39	+8. 19
7		6. 75	+7. 47	6 45	+7. 47
11	Ep.	12. 9	+8. 02	13 20–15 35	+8. 00
11		15. 8	+7. 98		
11	Ep.–P.	23. 3	+8. 81	23 25–23 35	+8. 81
12	Ep.	0. 9	+8. 83	0 54	+8. 83
12		2. 5	+7. 13	2 30	+7. 13
12		6. 8	+7. 34	6 15– 7 15	+7. 34
16	M.	7. 1	+9. 17	6 45– 8 25	+8. 98
16		8. 8	+8. 80		
16	M.–P.	23. 6	+8. 15	23 45–23 50	+8. 15
17	M.	7. 5	+8. 62	7 20– 8 55	+8. 40
17		8. 6	+8. 18		
17	P.	13. 9	+8. 97	13 20–15 35	+8. 88
17		15. 75	+8. 80		
17	P.–Ep.	23. 7	+8. 14	23 50–23 55	+8. 14
18	P.	2. 05	+7. 56	1 25– 2 20	+7. 56
18		6. 4	+7. 69	6 55– 9 0	+7. 72
18		8. 6	+7. 75		
18	Ep.	18. 0	+8. 67	16 50–17 45	+8. 67
19		2. 6	+6. 80	1 25– 2 20	+6. 80
20	P.	10. 25	+7. 89	10 50–13 30	+8. 00
20		13. 2	+8. 12		
21	Ep.	12. 5	+9. 18	11 45–14 15	+9. 19
21		14. 1	+9. 20		

TABLE IX.—*The Zenith Point Corrections*—Continued.

Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.	Date.	Observer and Assistant.	Sidereal Time.	Observed Correction.	Sidereal Time.	Adopted Correction.
1913		h	"	h m h m	"	1913		h	"	h m h m	"
Mar. 21	Ep.-P.	23.9	+10.60	0 5- 0 10	+10.60	Mar. 29	Ep.	2.00	+ 8.53	1 25- 1 30	+ 8.53
						29		8.5	+ 9.36	7 40- 9 15	+ 9.36
22	P.	11.25	+ 9.17	11 15	+ 9.17						
22		13.75	+ 8.61	13 45	+ 8.61	29	P.	12.8	+ 9.52	13 20-13 30	+ 9.52
24	P.	12.8	+ 9.45	12 48	+ 9.45	30	M.	14.1	+ 9.05	13 20-14 45	+ 9.05
24		15.15	+10.29	15 9	+10.29						
						31	P.	15.9	+ 9.01	16 25-17 45	+ 8.82
27	P.	12.85	+10.07	13 20 13 30	+10.07	31		17.95	+ 8.64		
27		15.8	+10.96	16 10-17 45	+10.91						
27		18.05	+10.86			31	P.-Ep.	0.45	+ 8.52	0 40 0 45	+ 8.52
27	P.-Ep.	0.25	+10.39	0 25- 0 30	+10.39	Apr. 1	P.	6.45	+ 8.71	6 27	+ 8.71
						1		10.35	+ 8.12	10 21	+ 8.12
28	P.	2.2	+10.92	1 25- 2 30	+10.92						
28		6.45	+10.19	7 5-10 5	+10.11	17	P.	9.4	+ 8.00	9 40-12 20	+ 7.96
28		10.35	+10.03			17		12.45	+ 7.93		
28	Ep.	14.2	+10.17	13 20-15 15	+10.17	18	Ep.	9.7	+ 8.99	11 25-13 0	+ 9.11
						18		12.6	+ 9.23		
28	Ep.-P.	0.25	+ 9.53	0 30- 0 35	+ 9.53						

TABLE X.—*The Corrections for Variation of Latitude.*

Date.	Δδ	Date.	Δδ	Date.	Δδ	Date.	Δδ
1912	"	1912	"	1912	"	1913	"
Jan. 31.4	−0.055	June 13.3	−0.025	Aug. 2.0	+0.155	Feb. 17.7	+0.155
Feb. 4.4	0.065	15.7	0.015	6.0	0.165	24.9	0.145
9.0	0.075	18.3	−0.005	9.5	0.175	Mar. 2.6	0.135
14.0	0.085	20.6	+0.005	14.8	0.185	8.4	0.125
20.3	0.095	23.4	0.015	21.7	0.195	13.4	0.115
27.5	0.105	25.6	0.025	29.3	0.205	17.8	0.105
Mar. 6.4	0.115	28.5	0.035	Sept. 8.2	0.215	22.3	0.095
15.9	0.125	30.5	0.045	19.4	0.225	25.8	0.085
May 2.5	0.125	July 3.8	0.055	Oct. 3.5	0.235	29.2	0.075
12.3	0.115	6.2	0.065	Nov. 19.3	0.235	Apr. 2.5	0.065
18.5	0.105	8.9	0.075	Dec. 5.7	0.225	5.9	0.055
23.4	0.095	11.8	0.085	19.6	0.215	9.6	0.045
27.3	0.085	14.5	0.095	1913		13.2	0.035
30.5	0.075	17.2	0.105	Jan. 0.7	0.205	17.1	0.025
June 2.4	0.065	20.1	0.115	13.0	0.195	21.3	+0.015
5.3	0.055	23.2	0.125	24.0	0.185		
8.3	0.045	26.3	0.135	Feb. 2.7	0.175		
11.2	−0.035	29.4	+0.145	10.2	+0.165		

NINE-INCH TRANSIT CIRCLE.

OBSERVATIONS AND REDUCTIONS.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	January 31, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Geminorum	8	33 1.71	+ 0.23	**−23.11**	337 30	......	....	. ....	6 32 38.77	.....	+16 29	....
2	ε Geminorum	7	38 55.36	+ 0.15	**−23.17**	346 14 5.78	46.455	− 5.56	− 14.7	6 38 32.34	.....	+25 13 16.5	....
3	ζ Geminorum	8	59 17.62	+ 0.20	**−23.14**	341 44 6.68	43.652	− 5.56	− 19.8	6 58 54.65	.....	+20 42 8.1	....
4	Moon I, N	6	5 3.36	+ 0.13	−23.18	348 40 6.48	44.431	− 5.56	− 12.0	7 4 40.31	+78.94	+27 38 32.9	....
5	ι Geminorum	8	20 40.25	+ 0.12	**−23.20**	349 0 9.30	44.282	− 5.56	− 11.6	7 20 17.19	.....	+27 58 32.6	....
6	Neptune C, C	8	34 37.94	+ 0.19	−23.18	342 8 7.88	43.541	− 5.56	− 19.4	7 34 14.95	.....	+21 6 7.3	....
7	β Geminorum	8	40 20.56	+ 0.12	**−23.23**	349 16 7.32	44.168	− 5.56	− 11.4	7 39 57.49	.....	+28 14 28.3	....
8	β Cancri	8	12 8.88	+ 0.29	**−23.22**	330 28 7.20	47.805	− 5.56	− 34.0	8 11 45.98	.....	+ 9 27 29.5	....
	February 2, P.												
9	Neptune C, C	8	34 25.41	+ 0.17	−23.88	342 8 4.30	45.096	− 5.22	− 19.5	7 34 1.70	.....	+21 6 39.5	....
10	β Cancri	5	12 9.60	+ 0.26	**−23.90**	330 28 1.08	48.095	− 5.22	− 34.4	8 11 45.97	.....	+ 9 27 29.9	....
11	30 Monocerotis	8	21 40.72	+ 0.34	**−23.98**	317 24 7.85	47.225	− 5.22	− 55.8	8 21 17.16	.....	− 3 37 4.9	....
12	η Cancri	8	28 2.47	+ 0.17	**−23.87**	341 46 8.82	44.490	− 5.22	− 20.0	8 27 38.74	.....	+20 44 29.6	....
13	ε Hydræ	8	42 31.94	+ 0.28	**−23.87**	327 46 7.82	45.572	− 5.22	− 38.3	8 42 8.32	.....	+ 6 44 34.9	....
14	α Cancri	8	54 5.59	+ 0.24	**−23.91**	333 14 8.05	43.620	− 5.22	− 30.7	8 53 41.92	.....	+12 11 58.2	....
15	κ Cancri	8	3 23.91	+ 0.25	**−23.88**	332 2 8.18	47.480	− 5.22	− 32.3	9 3 0.25	.....	+11 1 24.4	....
16	θ Hydræ	8	10 12.09	+ 0.31	**−23.91**	323 42 6.88	47.450	− 5.22	− 44.7	9 9 48.49	.....	+ 2 41 10.9	....
17	Moon II, N	8	23 7.32	+ 0.17	−23.91	341 20 9.58	45.328	− 5.22	− 20.6	9 22 43.58	−74.16	+20 18 49.1	....
	February 4, P.												
18	λ Geminorum	8	13 27.88	+ 0.31	**−24.74**	337 44 9.12	43.558	− 3.36	− 25.5	7 13 3.44	.....	+16 42 4.7	....
19	ι Geminorum	8	20 41.74	+ 0.19	**−24.75**	349 0 11.38	44.102	− 3.36	− 12.1	7 20 17.18	.....	+27 58 32.2	....
20	Neptune C, C	8	34 13.14	+ 0.27	−24.76	342 8 6.82	46.316	− 3.36	− 20.1	7 33 48.65	.....	+21 7 11.2	....
21	β Geminorum	8	40 22.06	+ 0.19	**−24.79**	349 16 5.80	44.172	− 3.36	− 11.8	7 39 57.49	.....	+28 14 28.7	....
22	β Cancri	8	12 10.34	+ 0.38	**−24.75**	330 28 6.25	47.808	− 3.36	− 35.3	8 11 45.95	.....	+ 9 27 29.5	....
23	l Leonis	8	45 3.67	+ 0.39	**−24.85**	332 2 10.35	45.288	− 3.57	− 33.3	10 44 39.25	.....	+11 0 37.2	....
24	χ Leonis	8	0 54.25	+ 0.41	**−24.80**	328 50 11.40	45.520	− 3.65	− 37.9	11 0 29.84	.....	+ 7 48 38.7	....
25	δ Leonis	8	9 51.66	+ 0.29	**−24.81**	342 2 8.95	43.822	− 3.68	− 20.3	11 9 27.13	.....	+21 0 15.5	....
26	Moon II, S	8	19 5.43	+ 0.42	−24.82	328 6 10.50	43.892	− 3.70	− 39.0	11 18 41.03	−68.22	+ 7 3 59.7	....
27	υ Leonis	8	32 51.91	+ 0.48	**−24.86**	320 42 10.50	43.600	− 3.79	− 51.3	11 32 27.56	.....	− 0 20 19.3	....
28	υ Leonis	8	44 59.88	+ 0.35	**−24.81**	336 6 10.55	42.645	− 3.84	− 27.8	11 44 35.40	.....	+15 3 42.5	....
29	ο Virginis	8	1 9.02	+ 0.40	**−24.85**	330 14 8.82	46.985	− 3.93	− 35.9	12 0 44.58	.....	+ 9 13 11.8	....
30	α Virginis	6	20 57.96	+ 0.55	**−24.82**	310 20 7.02	45.030	− 4.09	−1 14.0	13 20 33.65	.....	−10 42 12.9	....
	February 5, M.												
31	θ Ceti	8	20 1.49	+ 0.50	**[−24.98]**	312 24 6.65	44.438	− 3.30	−1 7.6	1 19 36.99	.....	− 8 38 19.0	....
32	α Ursæ Minoris	8	28 10.64	−44.73	−25.00	49 50 7.75	45.690	− 3.30	+1 13.4	1 27 0.91	.....	+88 50 31.5	....
	February 5, P.												
33	υ Leonis	8	32 52.31	+ 0.46	**−25.22**	320 42 12.62	43.450	− 4.15	− 51.1	11 32 27.53	.....	− 0 20 20.7	....
34	β Leonis	8	45 0.38	+ 0.31	**−25.25**	336 6 10.12	42.658	− 4.15	− 27.6	11 44 35.45	.....	+15 3 42.3	....
35	ο Virginis	8	1 9.44	+ 0.38	**−25.23**	330 14 11.82	46.790	− 4.15	− 35.6	12 0 44.57	.....	+ 9 13 10.5	....
36	Moon II, S	7	11 7.30	+ 0.48	−25.25	321 12 7.95	43.978	− 4.15	− 50.2	12 10 42.53	−66.39	+ 0 9 47.5	....
37	η Virginis	8	15 49.80	+ 0.48	**−25.27**	420 50 9.78	47.722	− 4.15	− 50.8	12 15 25.03	.....	− 0 10 45.5	....
38	δ Virginis	8	51 35.71	+ 0.46	**−25.29**	324 54	......	....	. ....	12 51 10.91	.....	+ 3 52	....
39	α Virginis	4	20 58.37	+ 0.60	**−25.25**	310 20 10.52	44.850	− 4.15	−1 13.5	13 20 33.70	.....	−10 42 13.1	....
40	α Ursæ Minoris S. P.	8	26 39.24	+46.83	−25.27	52 10 12.88	42.468	− 4.15	+1 20.7	1 27 0.80	.....	+88 50 30.8	....
41	m Virginis	8	37 24.52	+ 0.58	**−25.28**	312 46 15.00	45.850	− 4.15	−1 7.5	13 36 59.82	.....	− 8 15 39.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
31 6 27	29.532	26.8	26.1
6 52	......	....	26.0
7 10	29.533	26.4	25.8
7 43	......	....	25.7
8 17	29.538	25.8	25.4
2 7 30	29.596	24.0	22.8
8 16	......	....	21.8
8 31	29.618	22.5	21.3
8 57	......	....	21.0
9 24	29.620	21.4	20.3
4 7 11	29.750	14.0	12.9
7 37	......	....	12.1
7 43	......	....	12.0
8 14	29.770	13.0	11.9
10 42	29.776	11.0	9.9
11 7	......	....	10.0
11 20	29.772	11.0	10.0
11 49	......	....	9.7
12 3	29.774	11.0	9.2
13 19	......	....	8.8
13 31	29.770	10.0	8.3
5 1 28	29.748	18.3	16.5
11 30	29.786	13.0	12.5
11 57	......	....	12.6
12 19	29.786	12.5	12.1
13 19	......	....	11.9
13 39	29.782	11.2	11.5

Micrometer bisections are made at II, VI, except as noted below.

4. Bisections at II, III, V, VII.
6, 9, 20, 30, 31. Bisections at I, II, VI, VII.
17, 26, 36. Bisections at II, III, V, VI.
32, 40. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
39. Bisections at I, VII.

Notes.

1–4, 36, 37. Clouds.
31, 32. Very unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+11 44.0	−16 40.4	...	− 4 56.4
6	+ 0.1	.. ....	...	+ 0.1
9	+ 0.1	......	...	+ 0.1
17	+19 15.1	−16 39.2	...	+ 2 35.9
20	+ 0.1	.. ....	...	+ 0.1
26	+31 17.3	+16 17.4	...	+47 34.7
36	+36 34.1	+16 1.8	...	+52 35.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	February 6, P.		m s	s	s	° ′ ″	r		′ ″	h m s	s	° ′ ″	″
1	θ Ceti	8	20 1.84	+ 0.56	[−**25.40**]	312 24 6.50	44.375	− 4.16	−1 6.5	1 19 36.98	.....	− 8 38 20.4	....
2	α Ursæ Minoris	8	28 12.57	−45.34	−25.42	49 50 9.32	45.722	− 4.16	+1 12.2	1 27 1.81	.....	+88 50 31.8	....
3	ζ Geminorum	8	59 20.02	+ 0.22	−**25.57**	341 44 10.38	43.430	− 4.20	− 20.2	6 58 54.72	.....	+20 42 7.7	....
4	λ Geminorum	8	13 28.70	+ 0.27	−**25.52**	337 44 7.70	43.672	− 4.20	− 25.1	7 13 3.45	.....	+16 42 5.5	....
5	ι Geminorum	8	20 42.64	+ 0.12	−**25.58**	349 0 13.12	44.088	− 4.20	− 11.9	7 20 17.24	.....	+27 58 33.0	....
6	Neptune C, C	8	34 1.23	+ 0.22	−25.53	342 10 8.42	42.414	− 4.20	− 19.8	7 33 35.92	.....	+21 7 42.9	....
7	β Geminorum	6	40 22.87	+ 0.11	−**25.53**	349 16 10.72	43.995	− 4.20	− 11.6	7 39 57.45	.....	+28 14 28.9	....
8	β Cancri	8	12 11.16	+ 0.35	−**25.54**	330 28 9.28	47.705	− 4.20	− 34.9	8 11 45.97	.....	+ 9 27 29.7	....
9	30 Monocerotis	6	21 42.14	+ 0.48	−**25.46**	317 24 8.12	47.175	− 4.20	− 56.6	8 21 17.08	.....	− 3 37 5.6	....
10	η Cancri	8	28 4.14	+ 0.22	−**25.56**	341 46 10.88	44.412	− 4.20	− 20.3	8 27 38.82	.....	+20 44 30.6	....
	February 6, Ep.												
11	δ Virginis	8	51 36.30	+ 0.38	−**25.77**	324 54 10.88	45.132	− 4.22	− 43.3	12 51 10.95	.....	+ 3 52 23.8	....
12	43 Comæ Berenices	8	8 12.61	+ 0.08	−**25.66**	349 20 10.72	45.838	− 4.22	− 11.6	13 7 46.96	.....	+28 19 11.0	....
13	α Virginis	8	20 58.96	+ 0.51	−**25.72**	310 20 10.40	44.822	− 4.22	−1 12.5	13 20 33.73	.....	−10 42 12.9	....
14	α Ursæ Minoris S. P.	8	26 36.79	+47.09	−25.74	52 10 11.65	42.540	− 4.22	+1 19.5	1 26 58.14	.....	+88 50 31.6	....
	February 7, M.												
15	43 Comæ Berenices	6	8 12.99	+ 0.05	−**25.98**	349 20 7.82	45.955	− 3.74	− 11.4	13 7 47.04	.....	+28 19 11.5	....
16	α Virginis	6	20 59.32	+ 0.45	−**25.99**	310 20 5.30	44.955	− 3.74	−1 11.3	13 20 33.77	.....	−10 42 13.3	....
17	α Ursæ Minoris S. P.	8	26 40.24	+44.66	−26.01	52 10 6.48	42.825	− 3.74	+1 18.2	1 26 58.89	.....	+88 50 30.5	....
18	m Virginis	6	37 25.47	+ 0.43	−**26.02**	312 46 6.72	46.075	− 3.74	−1 5.4	13 36 59.89	.....	− 8 15 39.9	....
19	τ Boötis	6	43 31.23	+ 0.19	−26.01	338 54 5.38	47.288	− 3.74	− 23.4	13 43 5.41	.....	+17 53 27.8	....
20	Moon II, S.	6	50 14.07	+ 0.47	−26.01	308 20 8.28	40.921	− 3.74	−1 16.6	13 49 48.53	−65.46	−12 43 47.7	....
21	τ Virginis	6	57 36.07	+ 0.35	−**26.03**	323 0 6.48	44.440	− 3.74	− 45.7	13 57 10.41	.....	+ 1 58 1.9	....
22	κ Virginis	6	8 37.76	+ 0.44	−**26.02**	311 10 7.20	45.415	− 3.74	−1 9.3	14 8 12.18	.....	− 9 51 58.9	....
23	α Boötis	6	12 5.15	+ 0.17	−**26.02**	340 40 5.68	43.682	− 3.74	− 21.3	14 11 39.30	.....	+19 38 8.5	....
	February 8, M.												
24	θ Ceti	6	20 2.71	+ 0.42	[−**26.15**]	312 24 1.65	44.535	− 4.15	−1 5.0	1 19 36.93	.....	− 8 38 20.1	....
25	α Ursæ Minoris	8	28 6.64	−42.36	−26.20	49 50 2.78	46.080	− 4.15	+1 10.6	1 26 58.08	.....	+88 50 31.8	....
26	ζ Geminorum	8	59 20.79	+ 0.13	−**26.26**	341 44 4.45	43.675	− 3.91	− 20.0	6 58 54.62	.....	+20 42 7.9	....
27	λ Geminorum	8	13 29.54	+ 0.18	−**26.28**	337 44 3.38	43.835	− 3.91	− 24.8	7 13 3.42	.....	+16 42 5.5	....
28	ι Geminorum	8	20 43.43	+ 0.03	−**26.29**	349 0 4.85	44.412	− 3.91	− 11.8	7 20 17.16	.....	+27 58 32.5	....
29	β Canis Minoris	8	22 50.02	+ 0.26	−**26.34**	329 30 5.25	44.290	− 3.91	− 35.8	7 22 23.98	.....	+ 8 28 6.7	....
30	Neptune C, C	8	33 49.51	+ 0.12	−26.31	342 10 5.48	43.830	− 3.91	− 19.5	7 33 23.32	.....	+21 8 12.9	....
31	β Geminorum	8	40 23.79	+ 0.03	−**26.36**	349 16 5.42	44.212	− 3.91	− 11.5	7 39 57.51	.....	+28 14 29.0	....
32	χ Geminorum	8	58 34.74	+ 0.03	−**26.28**	349 4 4.00	44.590	− 3.91	− 11.7	7 58 8.46	.....	+28 2 36.0	....
	February 8, P.												
33	α Virginis	7	20 59.89	+ 0.34	−**26.42**	310 20 6.50	44.908	− 3.09	−1 12.2	13 20 33.76	.....	−10 42 13.4	....
34	τ Virginis	8	57 36.53	+ 0.36	−**26.47**	323 0 8.98	44.308	− 3.09	− 46.3	13 57 10.41	.....	+ 1 58 1.4	....
35	κ Virginis	8	8 38.22	+ 0.45	−**26.46**	311 10 5.05	45.545	− 3.09	−1 10.3	14 8 12.18	.....	− 9 51 58.4	....
36	α Boötis	8	12 5.65	+ 0.19	−**26.51**	340 40 7.62	43.600	− 3.09	− 21.6	14 11 39.35	.....	+19 38 8.9	....
37	Moon II, S.	8	39 49.74	+ 0.52	−26.50	302 52 9.82	42.416	− 3.09	−1 35.2	14 39 23.76	−66.10	−18 11 30.5	....
38	α Libræ	8	46 26.47	+ 0.51	−**26.49**	305 22 8.80	44.185	− 3.09	−1 26.7	14 46 0.48	.....	−15 40 42.2	....
39	β Libræ	8	12 42.19	+ 0.47	−**26.58**	311 58 9.88	46.015	− 3.09	−1 8.6	15 12 16.16	.....	− 9 3 40.3	....
40	α Serpentis	8	40 21.98	+ 0.35	−**26.53**	327 44 8.12	43.590	− 3.09	− 39.0	15 39 55.82	.....	+ 6 41 51.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 1 16	......	....	25.0
1 33	29.802	25.3	25.0
6 57	29.792	19.8	20.0
7 17	......	....	19.8
7 48	......	....	19.1
8 14	29.802	18.2	18.3
8 30	29.800	18.0	18.5
12 55	29.777	18.0	17.9
13 16	......	....	17.9
13 33	29.772	18.0	18.2
7 13 8	29.632	23.8	23.4
13 37	......	....	23.3
13 50	29.626	23.6	23.2
14 12	29.624	23.1	23.0
8 1 20	......	....	33.1
1 28	29.652	33.5	32.8
6 59	29.712	24.8	24.7
7 34	......	....	23.2
7 59	29.712	23.4	23.2
13 16	29.672	18.1	18.3
13 56	......	....	17.1
14 17	......	....	17.0
14 36	29.676	17.0	16.2
15 16	......	....	15.4
15 42	29.672	16.6	15.0

Micrometer bisections are made at II, VI, except as noted below.

2, 14, 17, 25. Bisections at 9.5r, 10.5r.
6, 16, 30. Bisections at I, II, VI, VII.
20, 37. Bisections at II, III, V, VI.

Note.
16, 17. Clouds; poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 0.1	.. ....	...	+ 0.1
20	+44 20.4	+15 29.6	...	+59 50.0
30	+ 0.1	.. ....	...	+ 0.1
37	+46 46.7	+15 15.5	...	+62 2.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	February 9, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Ceti	4	20 3.10	+ 0.42	**[−26.55]**	312 24 7.08	44.245	− 3.32	−1 4.7	1 20	.....	− 9 38 20.1	....
2	α Ursæ Minoris	8	28 5.95	−41.16	−26.68	49 50 9.60	45.760	− 3.32	+1 10.3	1 26 58.11	.....	+88 50 31.9	....
3	ξ² Ceti	8	23 54.76	+ 0.29	**[−26.70]**	329 6 8.92	43.805	− 3.32	− 35.6	2 23	.....	+ 8 4 0.0	....
	February 27, P.												
4	Moon I, N	8	34 8.51	+ 0.05	−34.43	349 18 11.58	45.432	− 2.54	− 11.1	6 33 34.13	+77.72	+28 17 5.1	....
5	ζ Geminorum	8	59 28.85	+ 0.11	**−34.46**	341 44 10.42	43.325	− 2.54	− 19.6	6 58 54.53	.....	+20 42 7.6	....
6	λ Geminorum	8	13 37.61	+ 0.14	**−34.44**	337 44 11.25	43.385	− 2.54	− 24.3	7 13 3.31	.....	+16 42 5.0	....
7	ι Geminorum	8	20 51.43	+ 0.05	**−34.45**	349 0 12.75	44.050	− 2.54	− 11.5	7 20 17.04	.....	+27 58 33.8	....
8	Neptune C, C	8	32 15.80	+ 0.11	−34.44	342 14 14.88	43.869	− 2.54	− 19.0	7 31 41.47	.....	+21 12 25.0	....
9	β Geminorum	8	40 31.76	+ 0.04	**−34.44**	349 16 13.92	43.805	− 2.54	− 11.2	7 39 57.35	.....	+28 14 29.8	....
10	η Cancri	8	28 13.14	+ 0.11	**−34.46**	341 46 13.28	44.220	− 2.54	− 19.6	8 27 38.79	.....	+20 44 31.0	....
11	δ Cancri	8	40 16.95	+ 0.13	**−34.44**	339 30 13.90	44.960	− 2.54	− 22.2	8 39 42.62	.....	+18 28 45.1	....
	February 28, Ep.												
12	λ Geminorum	8	13 37.99	+ 0.19	**−34.88**	337 44 10.42	43.410	− 1.96	− 24.3	7 13 3.28	.....	+16 42 5.2	....
13	ι Geminorum	8	20 51.81	+ 0.10	**−34.89**	349 0 12.60	44.038	− 1.96	− 11.5	7 20 17.01	.....	+27 58 33.9	....
14	Neptune C	8	32 11.85	+ 0.16	−34.90	342 14	......	....	.....	7 31 37.11	.....	+21 13	....
15	Moon I, N	8	42 28.64	+ 0.11	−34.90	347 38 9.38	45.904	− 1.96	− 13.0	7 41 53.85	+77.02	+26 37 12.5	....
16	η Cancri	8	28 13.54	+ 0.16	**−34.91**	341 46 10.48	44.300	− 1.96	− 19.6	8 27 38.78	.....	+20 44 30.6	....
17	δ Cancri	8	40 17.41	+ 0.18	**−34.96**	339 30 11.58	45.025	− 1.96	− 22.3	8 39 42.67	.....	+18 28 44.8	....
18	ε Hydræ	7	42 43.05	+ 0.25	**−34.92**	327 46	......	....	.....	8 42 8.38	.....	+ 6 44	....
19	ζ Hydræ	8	51 20.60	+ 0.26	**−34.90**	327 18 11.00	46.000	− 1.96	− 38.3	8 50 45.93	.....	+ 6 16 51.7	....
20	κ Cancri	8	3 35.11	+ 0.23	**−34.96**	332 2 11.60	47.092	− 1.96	− 31.7	9 3 0.41	.....	+11 1 22.8	....
	February 28, M.												
21	α Virginis	8	21 8.79	+ 0.36	**−34.82**	310 20 10.92	44.485	− 2.52	−1 10.5	13 20 34.32	.....	−10 42 16.5	....
22	α Ursæ Minoris S. P.	8	26 45.67	+29.32	−34.83	52 10 9.98	42.775	− 2.52	+1 17.4	1 26 40.16	.....	+88 50 28.4	....
	March 1, P.												
23	λ Geminorum	8	13 38.71	+ 0.28	**−35.71**	337 44 8.25	43.420	+ 1.21	− 25.2	7 13 3.28	.....	+16 42 5.6	....
24	ι Geminorum	8	20 52.56	+ 0.18	**−35.74**	349 0 10.20	44.045	+ 1.19	− 11.9	7 20 17.03	.....	+27 58 34.4	....
25	β Canis Minoris	8	22 59.10	+ 0.34	**−35.65**	329 30 10.70	43.815	+ 1.19	− 36.3	7 22 23.73	.....	+ 8 28 5.9	....
26	Neptune C, C	8	32 4.26	+ 0.24	−35.71	342 14 8.72	45.432	+ 1.17	− 19.7	7 31 28.79	.....	+21 12 57.5	....
27	β Geminorum	8	40 32.92	+ 0.17	**−35.76**	349 16 9.58	43.880	+ 1.15	− 11.6	7 39 57.37	.....	+28 14 30.5	....
28	β Cancri	7	12 21.35	+ 0.32	**−35.76**	330 28 13.32	47.268	+ 1.07	− 34.9	8 11 45.94	.....	+ 9 27 29.0	....
29	ο Leonis	8	37 4.32	+ 0.30	**−35.78**	331 18 9.68	47.605	+ 0.87	− 33.8	9 36 28.87	.....	+10 17 33.5	....
30	ε Leonis	8	41 28.85	+ 0.17	**−35.74**	345 12 11.65	44.680	+ 0.86	− 16.3	9 40 53.27	.....	+24 10 46.8	....
31	Moon I, N	8	50 22.92	+ 0.24	−35.76	338 38 11.12	43.275	+ 0.84	− 24.2	9 49 47.40	+72.06	+17 36 6.1	....
32	π Leonis	8	56 10.82	+ 0.31	**−35.75**	329 30 11.38	43.452	+ 0.83	− 36.5	9 55 35.37	.....	+ 8 27 57.7	....
33	α Leonis	8	4 18.30	+ 0.27	**−35.76**	333 24 9.32	48.130	+ 0.81	− 31.0	10 3 42.81	.....	+12 23 48.4	....
34	ζ Leonis	8	12 25.28	+ 0.17	**−35.76**	344 52 9.05	46.225	+ 0.79	− 16.7	10 11 49.69	.....	+23 51 19.1	....
	March 1, Ep.												
35	α Virginis	4	21 9.78	+ 0.48	**−35.89**	310 20 11.25	44.475	+ 0.59	−1 13.3	13 20 34.33	.....	−10 42 16.0	....
36	α Ursæ Minoris S. P.	7	26 39.84	+33.14	−35.93	52 8 10.90	47.700	+ 0.59	+1 20.4	1 26 37.05	.....	+88 50 28.6	....
	March 2, Ep.												
37	α Ursæ Minoris	8	27 45.83	−31.79	−36.15	49 50 10.28	45.295	− 0.13	+1 12.4	1 26 37.89	.....	+88 50 27.2	....
38	ζ Geminorum	8	59 30.45	+ 0.26	**−36.26**	341 44 8.92	43.350	− 0.28	− 20.2	6 58 54.46	.....	+20 42 8.3	....
39	λ Geminorum	8	13 39.23	+ 0.29	**−36.25**	337 44 7.82	43.470	− 0.28	− 25.1	7 13 3.26	.....	+16 42 4.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
9 1 17	......	....	33.0
1 32	29.532	33.0	33.0
2 26	29.548	30.9	30.0
27 6 30	29.568	33.5	32.9
6 40	......	....	32.5
7 3	......	....	32.1
7 26	29.588	33.0	32.0
7 46	......	....	31.7
8 18	......	....	31.0
8 42	29.590	31.8	31.0
28 7 16	29.826	36.4	35.7
7 46	29.825	35.6	34.9
8 17	29.826	35.0	34.2
8 47	29.824	34.0	33.6
9 8	29.816	33.6	33.0
13 21	29.853	31.8	31.9
1 7 11	30.160	25.0	24.0
7 28	......	....	23.9
7 42	30.170	24.9	23.9
8 14	30.170	24.2	23.0
9 34	30.182	23.2	22.2
10 0	......	....	22.0
10 14	30.198	23.0	21.9
13 40	30.213	20.6	19.7
2 1 35	30.204	31.4	30.0
7 2	30.234	27.3	27.4
7 18	......	....	27.2

Micrometer bisections are made at II, VI, except as noted below.

2, 22, 36. Bisections at $9^r.5$, $10^r.5$.

4, 15, 31. Bisections at II, III, V, VI.

8, 26. Bisections at I, II, VI, VII.

35. Bisection at VI.

37. Bisections at $9^r.0$, $9^r.5$, $10^r.5$, $11^r.0$.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+10 50.6	−16 20.7	...	− 5 30.1
8	+ 0.1	.. ....	...	+ 0.1
15	+12 37.8	−16 27.1	...	− 3 49.3
26	+ 0.1	.. ....	...	+ 0.1
31	+21 44.3	−16 28.9	...	+ 5 15.4

Notes.

22. Unsteady.

35. Revolutions of micrometer reading assumed.

35, 36. Conditions poor.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Geminorum	8	20 53.04	+ 0.19	**−36.24**	349 0 8.20	44.162	− 0.28	− 11.9	7 20 16.97	.....	+27 58 33.7	....
2	Neptune C, C	8	32 0.73	+ 0.26	−36.26	342 14 8.58	45.911	− 0.28	− 19.6	7 31 24.73	.....	+21 13 7.0	....
3	β Geminorum	8	40 33.42	+ 0.18	**−36.28**	349 16 7.90	43.968	− 0.28	− 11.6	7 39 57.34	.....	+28 14 29.4	....
4	β Cancri	8	12 21.82	+ 0.35	**−36.26**	330 28 8.55	47.475	− 0.28	− 34.8	8 11 45.90	.....	+ 9 27 27.7	....
5	30 Monocerotis	8	21 52.88	+ 0.44	**−36.29**	317 24 7.38	46.888	− 0.28	− 56.5	8 21 17.04	.....	− 3 37 8.9	....
6	ζ Leonis	8	12 25.79	+ 0.23	**−36.32**	344 52 9.98	46.242	− 0.28	− 16.6	10 11 49.71	.....	+23 51 19.5	....
7	μ Hydræ	8	22 27.11	+ 0.51	**−36.27**	304 38 8.02	47.920	− 0.28	−1 29.1	10 21 51.31	.....	−16 23 17.0	....
8	ρ Leonis	8	28 48.25	+ 0.35	**−36.31**	330 46 9.62	47.552	− 0.28	− 34.5	10 28 12.29	.....	+ 9 45 30.2	....
9	Moon I, N	8	47 57.11	+ 0.35	−36.32	332 12 9.56	47.616	− 0.28	− 32.5	10 47 21.14	+69.35	+11 11 33.9	....
10	Moon II	8	50 15.78	+ 0.35	−36.32	... .	......	....	. ....	10 49 39.81	−69.32	.. ..	....
11	χ Leonis	8	1 6.22	+ 0.37	**−36.35**	328 50 11.85	45.232	− 0.28	− 37.3	11 0 30.26	.....	+ 7 48 36.5	....
12	δ Leonis	8	10 3.66	+ 0.26	**−36.35**	342 2 9.85	43.585	− 0.28	− 20.0	11 9 27.59	.....	+21 0 14.7	....
	March 7, M.												
13	Sun I, N	8	10 56.23	+ 0.44	−38.13	316 4 4.10	47.198	+ 0.16	− 56.7	23 10 18.54	+64.99	− 4 57 4.5	....
14	Sun II, S	8	13 6.21	+ 0.44	−38.13	315 32 6.00	46.625	+ 0.16	− 57.8	23 12 28.52	−64.99	− 5 29 17.3	....
15	Mercury I, C	8	31 28.76	+ 0.44	−38.14	316 31 57.55	46.264	+ 0.16	− 55.7	23 30 51.06	+ 0.17	− 4 29 31.7	....
16	α Ursæ Minoris	8	27 41.20	−31.22	−38.17	49 49 53.35	46.118	+ 0.41	+1 9.3	1 26 31.81	.....	+88 50 26.5	....
17	μ Geminorum	8	18 16.90	+ 0.18	**−38.17**	343 34 11.28	47.285	+ 0.40	− 17.3	6 17 38.82	.....	+22 33 43.2	....
18	γ Geminorum	8	33 16.53	+ 0.24	**−38.30**	337 30 10.58	44.732	+ 0.40	− 24.3	6 32 38.51	.....	+16 28 37.7	....
19	ε Geminorum	8	39 10.08	+ 0.16	**−38.27**	346 14 10.65	46.035	+ 0.40	− 14.4	6 38 31.98	.....	+25 13 18.0	....
20	ξ Geminorum	8	40 59.74	+ 0.26	**−38.17**	333 59 57.10	47.955	+ 0.40	− 28.7	6 40 21.74	.....	+12 59 33.8	....
21	ζ Geminorum	7	59 32.44	+ 0.20	**−38.26**	341 44 3.80	43.518	+ 0.40	− 19.4	6 58 54.37	.....	+20 42 8.5	....
22	λ Geminorum	8	13 41.22	+ 0.24	**−38.26**	337 44 3.32	43.618	+ 0.40	− 24.1	7 13 3.19	.....	+16 42 5.4	....
	March 7, P.												
23	α Virginis	8	21 12.58	+ 0.43	**−38.52**	310 20 7.55	44.430	+ 0.65	−1 10.1	13 20 34.56	.....	−10 42 17.5	....
24	ζ Virginis	8	30 51.82	+ 0.38	**−38.50**	320 52 5.22	47.058	+ 0.65	− 48.5	13 30 13.74	.....	− 0 8 58.2	....
25	m Virginis	8	37 38.68	+ 0.42	**−38.47**	312 46 7.68	45.652	+ 0.65	−1 4.4	13 37 0.64	.....	− 8 15 43.3	....
26	τ Boötis	8	43 44.44	+ 0.25	−38.46	338 54 9.00	46.890	+ 0.65	− 23.0	13 43 6.23	.....	+17 53 27.0	....
27	η Boötis	8	51 9.29	+ 0.25	**−38.50**	339 52 9.45	43.112	+ 0.65	− 21.8	13 50 31.08	.....	+18 50 2.7	....
	March 9, P.												
28	α Virginis	8	21 13.44	+ 0.39	**−39.30**	310 20 8.82	44.422	+ 0.29	−1 11.2	13 20 34.52	.....	−10 42 17.9	....
29	α Ursæ Minoris S. P.	6	26 42.23	+31.22	−39.31	52 8 11.55	47.985	+ 0.29	+1 18.2	1 26 34.14	.....	+88 50 23.9	....
30	δ Ophiuchi	8	10 23.48	+ 0.35	**−39.30**	317 34 9.72	43.592	− 0.06	− 55.7	16 9 44.47	.....	− 3 28 20.9	....
31	ε Ophiuchi	8	14 19.35	+ 0.36	**−39.34**	316 32 9.62	47.342	− 0.07	− 57.7	16 13 40.35	.....	− 4 28 57.2	....
32	α Scorpii	8	24 39.95	+ 0.46	−39.37	294 48 9.98	46.865	− 0.09	−2 11.2	16 24 1.04	.....	−26 14 21.4	....
33	ζ Ophiuchi	8	32 58.21	+ 0.39	**−39.46**	310 38 9.25	46.255	− 0.11	−1 11.0	16 32 19.23	.....	−10 23 35.2	....
34	Moon II, S	8	56 8.21	+ 0.47	−39.38	293 10 11.00	45.148	− 0.19	−2 21.7	16 55 29.30	−69.57	−27 53 10.6	....
35	η Ophiuchi	8	5 59.01	+ 0.41	**−39.33**	305 26 7.75	42.785	− 0.21	−1 25.7	17 5 20.04	.....	−15 37 11.6	....
36	α Herculis	8	11 17.50	+ 0.24	**−39.43**	335 30 11.85	45.948	− 0.22	− 27.8	17 10 38.36	.....	+14 29 3.2	....
	March 10, M.												
37	α Virginis	8	21 13.89	+ 0.43	**−39.77**	310 20 13.58	44.250	+ 0.25	−1 11.1	13 20 34.60	.....	−10 42 17.0	....
38	α Ursæ Minoris S. P.	8	26 38.93	+34.02	−39.72	52 8 8.90	48.030	+ 0.25	+1 18.0	1 26 33.23	.....	+88 50 25.8	....
39	κ Virginis	8	8 52.33	+ 0.42	**−39.70**	311 10 9.78	44.938	+ 0.25	−1 9.3	14 8 13.03	.....	− 9 52 3.3	....
40	α Boötis	8	12 19.69	+ 0.22	**−39.72**	340 40 9.32	43.275	+ 0.25	− 21.3	14 11 40.19	.....	+19 38 6.7	....
41	ε Boötis	.	.. ..	.....	.....	348 28 8.82	43.555	+ 0.25	− 12.4	14 41	.....	+27 26 20.7	....
42	α Libræ	.	.. ..	.....	.....	305 22 9.08	43.810	+ 0.25	−1 25.4	14 46	.....	−15 40 45.9	....
43	ψ Boötis	8	1 21.28	+ 0.14	**−39.76**	348 18 9.65	45.440	+ 0.25	− 12.5	15 0 41.67	.....	+27 17 4.5	....
44	β Libræ	8	12 56.32	+ 0.42	**−39.71**	311 58 9.80	45.678	+ 0.25	−1 7.4	15 12 16.99	.....	− 9 3 43.6	....
45	α Serpentis	8	40 36.18	+ 0.32	**−39.76**	327 44 13.10	43.105	+ 0.25	− 38.3	15 39 56.74	.....	+ 6 41 49.2	....
46	Moon II	8	51 45.36	+ 0.51	−39.80	292 2	......	....	. ....	17 51 6.07	−69.98	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 7 35	30.246	27.2	26.9
8 0	30.250	27.2	26.6
8 28	30.250	26.6	26.0
10 5	30.272	25.8	25.3
10 32	30.284	25.6	24.9
10 54	30.281	25.3	24.4
11 12	30.278	25.0	24.0
7 23 13	29.880	41.0	40.0
23 31	29.876	41.0	41.0
1 32	29.874	45.3	45.1
6 18	29.866	41.3	41.7
6 41	......	....	40.9
7 14	29.868	39.9	39.9
13 17	29.832	35.0	34.0
13 53	29.826	35.0	34.0
9 13 19	29.779	27.5	26.2
13 59	......	....	25.4
16 7	29.803	25.0	23.1
16 35	......	....	23.0
17 0	......	....	22.7
17 13	29.820	23.8	22.5
10 13 27	29.898	28.7	28.8
14 9	30.000*	28.7	28.5
14 41	......	....	27.9
15 13	......	....	27.3
15 41	29.904	27.4	26.8

Micrometer bisections are made at II, VI, except as noted below.

2, 9, 15. Bisections at I, II, VI, VII.
8. Bisections at II, VII.
13. Bisections at I, II.
14. Bisections at VI, VII.
16, 38. Bisections at $\overset{r}{9.5}$, $\overset{r}{10.5}$.
27. Bisections at II, VI, VII.
29. Bisections at $\overset{r}{9.0}$, $\overset{r}{11.0}$.
34. Bisections at II, III, V, VI.

Notes.

23, 24. Clouds.
* Barometer reading changed from 29.00 in. to 30.000 in.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 0.1	.. ....	...	+ 0.1
9	+27 43.4	−16 23.3	...	+11 20.1
13	+ 6.1	−16 6.4	...	−16 0.3
14	+ 6.2	+16 6.3	...	+16 12.5
15	+ 4.5	.. ....	0.0	+ 4.5
34	+50 12.7	+14 57.1	...	+65 9.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 11, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	8	25 42.93	+ 0.42	−39.89	317 6 1.98	46.140	+ 1.87	− 55.2	23 25 3.46	+64.73	− 3 55 27.5	....
2	Sun II, N.	8	27 52.39	+ 0.42	−39.89	317 38 3.58	46.542	+ 1.87	− 54.1	23 27 12.92	−64.73	− 3 23 15.8	....
	March 13, Ep.												
3	β Geminorum	8	40 38.16	+ 0.10	**−41.08**	349 16 4.08	44.200	− 0.66	− 11.1	7 39 57.16	.....	+28 14 31.0	....
4	χ Geminorum	8	58 49.25	+ 0.10	**−41.10**	349 4 2.55	44.580	− 0.66	− 11.3	7 58 8.25	.....	+28 2 37.9	....
5	β Cancri	.	.. ..	.....	.....	330 28 1.70	47.745	− 0.66	− 33.3	8 12	.....	+ 9 27 28.1	....
6	η Cancri	8	28 19.55	+ 0.17	**−41.05**	341 46 1.52	44.642	− 0.66	− 19.4	8 27 38.61	.....	+20 44 30.9	....
7	δ Cancri	8	40 23.48	+ 0.19	**−41.14**	339 30 3.72	45.310	− 0.66	− 22.0	8 39 42.56	.....	+18 28 45.0	....
8	ζ Hydræ	8	51 26.67	+ 0.28	**−41.07**	327 18 1.85	46.282	− 0.66	− 37.8	8 50 45.83	.....	+ 6 16 50.8	....
9	α Cancri	8	54 22.76	+ 0.24	**−41.09**	333 14 1.52	43.608	− 0.66	− 29.7	8 53 41.88	.....	+12 11 58.0	....
	March 13, M.												
10	κ Ophiuchi	8	54 11.44	+ 0.28	**−41.11**	330 32 9.38	44.545	− 1.61	− 33.9	16 53 30.63	.....	+ 9 30 21.0	....
11	ε Herculis	7	57 36.78	+ 0.10	−41.09	352 4 6.32	45.070	− 1.61	− 8.3	16 56 55.79	.....	+31 2 55.1	....
12	η Ophiuchi	8	6 0.93	+ 0.41	**−41.13**	305 26 6.65	42.830	− 1.61	−1 24.3	17 5 20.24	.....	−15 37 11.6	....
13	α Herculis	8	11 19.34	+ 0.25	**−41.16**	335 30 7.62	46.172	− 1.61	− 27.3	17 10 38.49	.....	+14 29 3.2	....
14	α Ophiuchi	8	31 32.11	+ 0.26	**−41.17**	333 38 7.40	46.310	− 1.61	− 29.8	17 30 51.27	.....	+12 37 3.9	....
15	β Ophiuchi	8	39 48.48	+ 0.31	**−41.08**	325 38 8.78	43.700	− 1.61	− 41.1	17 39 7.68	.....	+ 4 35 54.2	....
16	δ Ursæ Minoris	8	1 24.68	− 9.44	−41.11	47 36 8.60	45.560	− 1.61	+1 6.2	18 0 34.13	.....	+86 36 23.6	....
	March 14, M.												
17	Sun S.	.	.. ..	.....	.....	318 16 9.18	48.080	− 0.60	− 52.1	23 37	.....	− 2 44 35.2	....
18	Sun N.	.	.. ..	.....	.....	318 50 3.65	43.502	− 0.60	− 51.1	.. ..	.....	− 2 12 24.6	....
	March 16, Ep.												
19	Sun I, S.	8	44 5.05	+ 0.27	−42.27	319 4 13.30	46.152	+ 0.93	− 51.1	23 43 23.05	+64.53	− 1 57 12.6	....
20	Sun II, N.	8	46 14.11	+ 0.27	−42.27	319 36 10.68	46.645	+ 0.93	− 50.2	23 45 32.11	−64.53	− 1 25 3.9	....
21	Mercury I, C.	8	33 14.00	+ 0.24	−42.28	324 50 7.05	45.816	+ 0.92	− 41.4	0 32 31.96	+ 0.19	+ 3 48 42.7	....
22	α Ursæ Minoris	8	27 37.95	−28.32	−42.30	49 50 7.00	45.392	+ 0.92	+1 9.7	1 26 27.33	.....	+88 50 24.4	....
23	δ Ursæ Minoris s. p.	8	1 7.07	+10.21	−42.36	54 22 5.38	48.112	+ 0.88	+1 22.4	18 0 34.92	.....	+86 36 22.3	....
24	λ Geminorum	8	13 45.27	+ 0.15	**−42.35**	337 44 4.52	43.570	+ 0.88	− 24.2	7 13 3.04	.....	+16 42 5.9	....
25	ι Geminorum	8	20 59.09	+ 0.06	**−42.37**	349 0 5.75	44.278	+ 0.88	− 11.5	7 20 16.77	.....	+27 58 35.4	....
26	β Canis Minoris	8	23 5.78	+ 0.21	**−42.40**	329 30 5.35	44.025	+ 0.88	− 34.8	7 22 23.61	.....	+ 8 28 6.5	....
27	β Geminorum	8	40 39.48	+ 0.06	**−42.41**	349 16 3.88	44.162	+ 0.88	− 11.2	7 39 57.15	.....	+28 14 31.3	....
28	χ Geminorum	8	58 50.56	+ 0.06	**−42.41**	349 4 4.52	44.465	+ 0.88	− 11.4	7 58 8.23	.....	+28 2 38.7	....
29	β Cancri	8	12 27.95	+ 0.20	**−42.39**	330 28 4.22	47.605	+ 0.88	− 33.5	8 11 45.75	.....	+ 9 27 28.8	....
	March 17, M.												
30	β Herculis	8	27 9.70	+ 0.16	**−42.88**	342 42 13.08	43.880	+ 1.18	− 18.4	16 26 26.96	.....	+21 40 27.9	....
31	ζ Ophiuchi	8	33 1.92	+ 0.34	**−42.88**	310 38 11.85	45.935	+ 1.18	−1 8.7	16 32 19.36	.....	−10 23 36.4	....
32	κ Ophiuchi	8	54 13.36	+ 0.24	**−42.87**	330 32 16.00	44.085	+ 1.18	− 33.4	16 53 30.69	.....	+ 9 30 20.4	....
33	η Ophiuchi	8	6 2.91	+ 0.36	**−42.93**	305 26 14.75	42.280	+ 1.18	−1 22.9	17 5 20.36	.....	−15 37 11.9	....
34	α Herculis	8	11 21.31	+ 0.21	**−42.97**	335 30 12.82	45.798	+ 1.18	− 26.9	17 10 38.61	.....	+14 29 3.0	....
35	α Ophiuchi	8	31 34.01	+ 0.22	**−42.91**	333 38 11.90	45.958	+ 1.18	− 29.3	17 30 51.31	.....	+12 37 3.6	....
36	δ Ursæ Minoris	8	1 27.06	− 8.37	−42.93	47 36 13.90	45.248	+ 1.18	+1 5.1	18 0 35.66	.....	+86 36 23.5	....
	March 18, M.												
37	Sun I, N.	8	51 23.94	+ 0.38	−43.02	320 24 3.65	45.218	+ 1.78	− 46.3	23 50 41.30	+64.48	− 0 37 38.2	....
38	Sun II, S.	8	53 32.89	+ 0.38	−43.02	319 52 4.35	44.900	+ 1.78	− 47.2	23 52 50.25	−64.47	− 1 9 46.0	....
39	Mercury I, C.	8	45 57.72	+ 0.25	−43.04	326 38 8.18	44.902	+ 1.66	− 36.7	0 45 14.93	+ 0.20	+ 5 36 28.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 23 28	29.966	38.1	37.7
13 7 45	29.739	40.4	39.7
8 2	29.753	40.0	39.1
8 33	29.762	39.4	38.9
8 58	29.785	38.9	38.5
16 54	29.944	31.9	32.3
17 11	......	....	32.4
17 32	29.952	32.3	32.2
18 1	29.970	32.2	31.1
14 23 39	30.020	47.5	46.4
16 23 46	30.094	44.5	43.0
0 37	30.104	46.1	44.4
1 33	30.101	48.2	46.4
5 55	30.180	46.1	46.1
7 10	30.187	43.8	44.0
7 28	30.190	44.0	43.4
7 56	......	....	42.8
8 16	30.209	42.6	42.9
17 16 27	29.940	41.6	40.0
16 54	......	....	39.9
17 31	......	....	39.1
18 1	29.926	39.9	38.4
18 23 54	29.916	64.5	66.0
0 46	29.900	65.6	67.7

Micrometer bisections are made at II, VI, except as noted below.

1, 17, 19, 37. Bisections at I, II.
2, 18, 20, 38. Bisections at VI, VII.
16, 23, 36. Bisections at $\overset{r}{9}.0$, $\overset{r}{11}.0$.
21, 39. Bisections at I, II, VI, VII.
22. Bisections at $\overset{r}{9}.0$, $\overset{r}{9}.5$, $\overset{r}{11}.0$, $\overset{r}{11}.5$.
26. Bisection at VI.

Note.
35, 36. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.0	+16 5.8	...	+16 11.8
2	+ 5.9	−16 5.8	...	−15 59.9
17	+ 5.8	+16 5.3	...	+16 11.1
18	+ 5.8	−16 5.3	...	−15 59.5
19	+ 5.8	+16 4.3	...	+16 10.1
20	+ 5.7	−16 4.3	...	−15 58.6
21	+ 4.3	.. ....	+0.2	+ 4.5
37	+ 5.6	−16 3.8	...	−15 58.2
38	+ 5.7	+16 3.9	...	+16 9.6
39	+ 4.3	.. ....	+0.3	+ 4.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Hydræ	8	51 28.74	+ 0.22	**−43.13**	327 18 13.18	45.645	+ 1.30	− 36.5	8 50 45.78	.....	+ 6 16 50.8	....
2	κ Cancri	8	3 43.26	+ 0.20	**−43.19**	332 2 12.75	46.830	+ 1.30	− 30.2	9 3 0.28	.....	+11 1 22.7	....
3	θ Hydræ	8	10 31.43	+ 0.24	**−43.18**	323 42 11.42	46.710	+ 1.30	− 41.8	9 9 48.49	.....	+ 2 41 7.9	....
4	ο Leonis	8	37 11.72	+ 0.20	**−43.14**	331 18 13.38	47.310	+ 1.30	− 31.2	9 36 28.73	.....	+10 17 33.5	....
5	ε Leonis	8	41 36.27	+ 0.12	**−43.16**	345 12 15.82	44.525	+ 1.30	− 15.0	9 40 53.20	.....	+24 10 49.2	....
6	μ Leonis	8	48 30.54	+ 0.11	**−43.19**	347 26 12.08	45.945	+ 1.30	− 12.7	9 47 47.46	.....	+26 25 19.4	....
	March 18, P.												
7	κ Ophiuchi	8	54 13.95	+ 0.22	**−43.41**	330 32 1.10	44.722	+ 1.07	− 32.7	16 53 30.78	.....	+ 9 30 20.7	....
8	η Ophuichi	8	6 3.48	+ 0.31	**−43.42**	305 26 11.58	42.352	+ 1.07	−1 21.3	17 5 20.39	.....	−15 37 12.0	....
9	α Herculis	8	11 21.84	+ 0.20	**−43.46**	335 30 10.12	45.910	+ 1.07	− 26.4	17 10 38.64	.....	+14 29 3.3	....
10	α Ophiuchi	8	31 34.56	+ 0.20	**−43.41**	333 38 10.32	46.015	+ 1.07	− 28.7	17 30 51.36	.....	+12 37 3.8	....
11	β Ophiuchi	8	39 51.00	+ 0.24	**−43.38**	325 38 9.92	43.458	+ 1 07	− 39.7	17 39 7.83	.....	+ 4 35 53.8	....
12	μ Herculis	8	43 44.47	+ 0.12	**−43.44**	348 48 17.32	41.925	+ 1.07	− 11.5	17 43 1.18	.....	+27 45 53.7	...
13	δ Ursæ Minoris	8	1 26.80	− 6.57	−43.41	47 36 6.65	45.615	+ 1.07	+1 3.9	18 0 36.82	.....	+86 36 23.3	....
	March 19, P.												
14	Sun I, N	8	55 3.39	+ 0.25	−43.51	320 48 16.80	43.910	+ 1.08	− 45.8	23 54 20.13	+64.54	− 0 13 54.8	....
15	Sun II, S	8	57 12.47	+ 0.25	−43.51	320 16 17.98	43.635	+ 1.08	− 46.7	23 56 29.21	−64.54	− 0 46 1.8	....
16	Mercury I, C	8	52 4.06	+ 0.22	−43.52	327 30 10.28	44.888	+ 1.32	− 35.6	0 51 20.76	+ 0.20	+ 6 28 30.8	....
17	δ Ursæ Minoris s. p.	8	1 12.82	+ 7.18	−43.60	54 22 8.65	48.075	+ 2.55	+1 18.0	18 0 36.40	.....	+86 36 22.6	....
18	η Geminorum	8	10 17.87	+ 0.12	**−43.62**	343 34 9.40	43.072	+ 2.55	− 16.4	6 9 34.38	.....	+22 32 8.1	....
19	μ Geminorum	8	18 22.21	+ 0.12	**−43.62**	343 34 9.30	47.235	+ 2.55	− 16.4	6 17 38.72	.....	+22 33 43.1	....
20	γ Geminorum	8	33 21.76	+ 0.16	**−43.64**	337 30 11.60	44.535	+ 2.55	− 23.1	6 32 38.31	.....	+16 28 37.0	....
21	ε Geminorum	8	39 15.26	+ 0.11	**−43.60**	346 14 6.40	46.085	+ 2.55	− 13.7	6 38 31.76	.....	+25 13 17.7	....
22	ξ Geminorum	7	41 5.04	+ 0.17	**−43.57**	334 0 8.70	47.299	+ 2.55	− 27.2	6 40 21.59	.....	+12 59 34.0	....
23	ζ Geminorum	8	59 37.70	+ 0.13	**−43.63**	341 44 9.00	43.150	+ 2.55	− 18.5	6 58 54.21	.....	+20 42 8.3	....
	March 20, Ep.												
24	Sun I, S	8	58 42.59	+ 0.24	−44.05	320 40 13.62	43.035	+ 1.56	− 45.9	23 57 58.78	+64.42	− 0 22 17.9	....
25	Sun II, N	8	0 51.44	+ 0.24	−44.05	321 12 15.82	43.235	+ 1.56	− 45.1	0 0 7.63	−64.43	+ 0 9 48.8	....
	March 22, P.												
26	Sun I, S	8	6 0.28	+ 0.23	−44.84	321 28 8.50	41.735	+ 0.83	− 47.6	0 5 15.67	+64.52	+ 0 25 5.0	....
27	Sun II, N	8	8 9.32	+ 0.23	−44.84	322 0 24.10	41.268	+ 0.83	− 46.7	0 7 24.71	−64.52	+ 0 57 9.8	....
28	Mercury I, C	8	9 1.77	+ 0.20	−44.86	329 56 10.35	43.635	+ 1.48	− 34.4	1 8 17.11	+ 0.22	+ 8 54 3.6	....
29	δ Ursæ Minoris s. p.	7	1 14.60	+ 8.24	−44.95	54 22 4.00	48.058	+ 1.52	+1 23.7	18 0 37.89	.....	+86 36 23.0	....
30	γ Geminorum	8	33 22.99	+ 0.20	**−44.96**	337 30 8.80	44.805	+ 1.33	− 24.8	6 32 38.23	.....	+16 28 38.1	....
31	ε Geminorum	8	39 16.52	+ 0.15	**−44.96**	346 14 9.22	46.090	+ 1.29	− 14.6	6 38 31.71	.....	+25 13 18.5	....
32	ζ Geminorum	8	59 38.94	+ 0.18	**−44.97**	341 44 7.75	43.352	+ 1.20	− 19.8	6 58 54.15	.....	+20 42 9.1	....
33	λ Geminorum	8	13 47.72	+ 0.20	**−44.94**	337 44 8.15	43.405	+ 1.11	− 24.6	7 13 2.95	.....	+16 42 5.6	....
34	ι Geminorum	8	21 1.49	+ 0.13	**−44.94**	349 0 8.58	44.140	+ 1.07	− 11.6	7 20 16.65	.....	+27 58 35.2	....
35	β Canis Minoris	8	23 8.26	+ 0.24	**−45.00**	329 30 9.85	43.805	+ 1.07	− 35.4	7 22 23.53	.....	+ 8 28 5.6	....
	March 22, Ep.												
36	α Scorpii	8	24 46.28	+ 0.38	−45.26	294 48 7.08	46.870	+ 1.06	−2 11.3	16 24 1.40	.....	−26 14 23.2	....
37	ζ Ophiuchi	8	33 4.44	+ 0.33	**−45.24**	310 38 9.90	46.165	+ 1.03	−1 11.0	16 32 19.51	.....	−10 23 35.5	....
38	κ Ophiuchi	8	54 15.92	+ 0 24	**−45.28**	330 32 10 68	44.385	+ 0 95	− 34.5	16 53 30.89	.....	+ 9 30 20.6	....
39	η Ophiuchi	8	6 5.41	+ 0.34	**−45.26**	305 26 3.05	42.932	+ 0.90	−1 25.6	17 5 20.48	.....	−15 37 11.7	....
40	α Herculis	8	11 23.76	+ 0.22	**−45.28**	335 30 10.62	45.940	+ 0.88	− 27.8	17 10 38.71	.....	+14 29 2.9	....
41	α Ophiuchi	8	31 36.54	+ 0.23	**−45.30**	333 38 0.75	46.490	+ 0.80	− 30.2	17 30 51.49	.....	+12 37 3.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 8 51	29.936	58.4	58.8
9 37	......	....	57.2
9 48	29.932	57.1	56.5
16 52	29.874	48.7	48.2
17 15	......	....	48.0
17 37	29.884	47.5	47.2
17 49	......	....	47.0
18 5	29.885	47.1	46.5
19 23 57	29.877	62.2	63.0
0 52	29.820	64.0	64.5
5 56	29.720	66.0	65.0
6 20	......	....	64.0
6 48	29.710	63.5	63.0
7 14	29.700	62.3	62.0
20 0 1	29.858	64.2	64.1
22 0 8	30.068	39.5	37.1
1 9	30.053	41.0	38.9
5 57	30.120	38.2	37.0
6 30	......	....	36.5
6 56	30.124	36.5	36.0
7 11	......	....	35.6
7 25	30.152	36.0	35.1
16 16	30.180	29.2	28.8
16 38	30.198	29.2	28.4
16 58	30.198	29.6	28.5
17 17	30.196	29.6	29.0
17 36	30.204	29.6	29.0

Micrometer bisections are made at II, VI, except as noted below.

13, 17, 29.	Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.
14, 24, 26.	Bisections at I, II.
15, 25, 27.	Bisections at VI, VII.
16, 28.	Bisections at I, II, VI, VII.
22.	Bisections at VI, VII.
41.	Bisections at III, VI.

Notes.

16. Micrometer reading decreased 1 rev.

29, 41. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+ 5.5	−16 3.5	...	−15 58.0
15	+ 5.6	+16 3.4	...	+16 9.0
16	+ 4.2	.. ....	+0.3	+ 4.5
24	+ 5.6	+16 3.3	...	+16 8.9
25	+ 5.5	−16 3.3	...	−15 57.8
26	+ 5.5	+16 2.3	...	+16 7.8
27	+ 5.4	−16 2.4	...	−15 57.0
28	+ 4.2	.. ....	+0.5	+ 4.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 23, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	8	9 39.24	+ 0.28	−45.41	322 22 7.42	46.298	+ 0.20	− 45.6	0 8 54.11	+64.37	+ 1 20 49.6	....
2	Sun II, S	8	11 47.98	+ 0.28	−45.41	321 50 11.68	46.000	+ 0.20	− 46.5	0 11 2.85	−64.37	+ 0 48 45.1	....
	March 25, M.												
3	Sun I, N	8	16 56.33	+ 0.28	−46.14	223 10 5.15	44.285	+ 0.68	− 43.6	0 16 10.47	+64.45	+ 2 8 4.0	....
4	Sun II, S	8	19 5.23	+ 0.28	−46.14	322 38 4.55	44.138	+ 0.68	− 44.5	0 18 19.37	−64.45	+ 1 35 58.6	....
5	Mercury I, C	8	23 26.37	+ 0.23	−46.17	332 0 10.20	45.074	+ 0.72	− 30.9	1 22 40.43	+ 0.24	+10 58 38.7	....
6	δ Ursæ Minoris s. p.	8	1 16.13	+ 9.04	−46.27	54 22 6.98	48.020	+ 0.59	+1 22.0	18 0 38.90	.....	+86 36 23.5	....
7	Moon I, N	8	12 15.42	+ 0.11	−46.27	349 30 6.22	47.185	+ 0.59	− 10.8	6 11 29.26	+76.77	+28 29 42.8	....
8	ξ Geminorum	8	41 7.62	+ 0.21	**−46.29**	334 0 7.80	47.482	+ 0.59	− 28.6	6 40 21.55	.....	+12 59 34.0	....
9	ζ Geminorum	7	59 40.19	+ 0.16	**−46.25**	341 44 8.32	43.318	+ 0.59	− 19.4	6 58 54.07	.....	+20 42 8.6	....
10	λ Geminorum	8	13 49.01	+ 0.19	**−46.27**	337 44 13.75	43.160	+ 0.59	− 24.1	7 13 2.91	.....	+16 42 5.6	....
11	ι Geminorum	8	21 2.84	+ 0.11	**−46.32**	349 0 11.05	44.038	+ 0.59	− 11.4	7 20 16.66	.....	+27 58 35.0	....
12	β Canis Minoris	8	23 9.54	+ 0.23	**−46.32**	329 30 8.78	43.835	+ 0.59	− 34.7	7 22 23.48	.....	+ 8 28 5.4	....
13	β Geminorum	8	40 43.18	+ 0.11	**−46.30**	349 16 9.48	43.892	+ 0.59	− 11.2	7 39 56.99	.....	+28 14 30.5	....
	March 25, P.												
14	κ Ophiuchi	8	54 17.23	+ 0.26	**−46.53**	330 32 10.48	44.395	+ 0.77	− 34.1	16 53 30.95	.....	+ 9 30 20.9	....
15	η Ophiuchi	8	6 6.76	+ 0.37	**−46.54**	305 26 11.12	42.548	+ 0.83	−1 24.6	17 5 20.59	.....	−15 37 11.5	....
16	α Ophiuchi	8	31 37.85	+ 0.24	**−46.53**	333 38 9.72	46.105	+ 0.94	− 29.9	17 30 51.54	.....	+12 37 4.0	....
17	β Ophiuchi	8	39 54.36	+ 0.28	**−46.57**	325 38 11.60	43.495	+ 1.00	− 41.3	17 39 8.09	.....	+ 4 35 54.7	....
18	μ Herculis	8	43 47.78	+ 0.13	**−46.54**	348 48 13.45	42.108	+ 1.00	− 11.9	17 43 1.36	.....	+27 45 53.6	....
19	δ Ursæ Minoris	8	1 33.30	− 8.30	−46.56	47 36 9.85	45.368	+ 1.08	+1 6.3	18 0 38.44	.....	+86 36 23.2	....
	March 26, P.												
20	Sun I, N	8	20 35.06	+ 0.26	−46.66	323 34 3.35	43.115	− 0.04	− 42.7	0 19 48.66	+64.44	+ 2 31 35.4	....
21	Sun II, S	8	22 43.93	+ 0.26	−46.66	323 2 13.55	42.610	− 0.04	− 43.5	0 21 57.53	−64.43	+ 1 59 32.6	....
22	Mercury I, C	8	27 34.12	+ 0.21	−46.68	332 36 10.42	44.768	− 0.16	− 29.7	1 26 47.65	+ 0.24	+11 34 32.5	....
23	δ Ursæ Minoris s. p.	8	1 18.13	+ 7.46	−46.76	54 22 8.00	48.082	+ 1.77	+1 19.4	18 0 38.83	.....	+86 36 22.5	....
24	ζ Geminorum	8	59 40.70	+ 0.16	**−46.78**	341 44 9.85	43.162	+ 1.77	− 18.8	6 58 54.08	.....	+20 42 8.4	....
25	λ Geminorum	8	13 49.50	+ 0.18	**−46.77**	337 44 9.25	43.250	+ 1.77	− 23.4	7 13 2.90	.....	+16 42 5.0	....
26	Moon I, N	8	19 4.34	+ 0.12	−46.78	348 34 8.90	47.880	+ 1.77	− 11.5	7 18 17.68	+76.44	+27 34 1.9	....
27	β Geminorum	8	40 43.66	+ 0.11	**−46.80**	349 16 12.72	43.722	+ 1.77	− 10.8	7 39 56.98	.....	+28 14 31.4	....
28	β Cancri	8	12 32.20	+ 0.21	**−46.78**	330 28 12.42	47.125	+ 1.77	− 32.5	8 11 45.61	.....	+ 9 27 27.9	....
29	30 Monocerotis	8	22 3.29	+ 0.25	**−46.78**	317 24 13.55	46.290	+ 1.77	− 52.7	8 21 16.74	.....	− 3 37 10.6	....
30	η Cancri	8	28 25.19	+ 0.16	**−46.84**	341 46 14.92	43.970	+ 1.77	− 18.9	8 27 38.55	.....	+20 44 31.9	....
	March 27, Ep.												
31	Sun I, N	8	24 13.88	+ 0.23	−47.24	323 56 27.58	45.830	+ 1.61	− 41.2	0 23 26.87	+64.26	+ 2 55 4.9	....
32	Sun II, S	8	26 22.40	+ 0.23	−47.24	323 24 22.50	46.040	+ 1.61	− 42.0	0 25 35.39	−64.26	+ 2 23 3.1	....
	March 27, M.												
33	κ Ophiuchi	8	54 18.25	+ 0.14	**−47.37**	330 32 17.35	43.985	+ 1.66	− 32.8	16 53 31.00	.....	+ 9 30 20.6	....
34	η Ophiuchi	8	6 7.79	+ 0.22	**−47.36**	305 26 11.08	42.355	+ 1.66	−1 21.6	17 5 20.61	.....	−15 37 12.1	....
35	α Herculis	8	11 26.12	+ 0.12	**−47.40**	335 30 13.55	45.752	+ 1.66	− 26.5	17 10 38.84	.....	+14 29 3.6	....
36	α Ophiuchi	8	31 38.92	+ 0.13	**−47.43**	333 38 14.05	45.820	+ 1.66	− 28.8	17 30 51.65	.....	+12 37 3.6	....
37	β Ophiuchi	8	39 55.39	+ 0.16	**−47.43**	325 38 12.60	43.342	+ 1.66	− 39.8	17 39 8.14	.....	+ 4 35 54.4	....
38	μ Herculis	8	43 48.79	+ 0.05	**−47.41**	348 48 13.18	42.062	+ 1.66	− 11.5	17 43 1.43	.....	+27 45 53.3	....
39	δ Ursæ Minoris	8	1 33.37	− 6.45	−47.41	47 36 11.35	45.400	+ 1.66	+1 4.1	18 0 39.51	.....	+86 36 23.9	....
	March 29, P.												
40	Sun I	7	31 30.78	+ 0.16	−48.05	324 28	......	....	.....	0 30 42.89	+64.45	.. ..	....
41	Sun II	8	33 39.68	+ 0.16	−48.05	... .	......	....	.....	0 32 51.79	−64.45	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 0 12	30.148	42.1	42.6
25 0 19	29.634	44.0	42.0
1 23	29.610	45.3	42.3
6 1	29.738	41.5	40.8
6 12	......	....	40.3
6 41	......	....	39.4
7 14	29.768	39.4	38.8
7 40	29.780	39.2	38.2
16 56	29.860	29.9	28.9
17 34	29.860	28.9	28.5
18 4	29.866	29.0	28.8
26 0 23	29.844	48.0	49.0
1 28	29.804	51.0	51.9
5 57	29.712	57.0	56.1
6 57	29.710	55.2	53.8
7 24	......	....	52.3
7 38	29.710	53.1	51.9
8 11	......	....	50.8
8 30	29.722	51.0	50.0
27 0 26	29.844	59.2	59.0
16 54	29.740	46.0	44.3
17 32	......	....	43.8
18 2	29.764	44.8	43.2

Micrometer bisections are made at II, VI, except as noted below.

1, 3, 20, 31. Bisections at I, II.
2, 4, 21, 32. Bisections at VI, VII.
5, 22. Bisections at I, II, VI, VII.
6, 19, 23, 39. Bisections at $9\overset{\mathrm{r}}{.}0$, $11\overset{\mathrm{r}}{.}0$.
7, 26. Bisections at II, III, V, VI.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.3	−16 2.2	...	−15 56.9
2	+ 5.4	+16 2.2	...	+16 7.6
3	+ 5.2	−16 2.6	...	−15 57.4
4	+ 5.3	+16 2.7	...	+16 8.0
5	+ 4.3	.. ....	+ 0.7	+ 5.0
7	+10 30.1	−16 8.0	...	− 5 37.9
20	+ 5.2	−16 1.4	...	−15 56.2
21	+ 5.3	+16 1.3	...	+16 6.6
22	+ 4.3	.. ....	+ 0.8	+ 5.1
26	+11 28.7	−16 12.3	...	− 4 43.6
31	+ 5.2	−16 0.9	...	−15 55.7
32	+ 5.2	+16 0.9	...	+16 6.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	μ Leonis	8	48 35.52	+ 0.12	**−48.26**	347 26 6.18	46.185	+ 2.43	− 12.5	9 47 47.42	.....	+26 25 20.3	....
2	π Leonis	8	56 23.32	+ 0.20	**−48.24**	329 30 9.72	43.328	+ 2.43	− 33.3	9 55 35.30	.....	+ 8 27 58.0	....
3	α Leonis	8	4 30.75	+ 0.19	**−48.21**	333 24 8.42	48.030	+ 2.43	− 28.3	10 3 42.71	.....	+12 23 49.5	....
4	ζ Leonis	8	12 37.78	+ 0.14	**−48.28**	344 52 8.90	46.222	+ 2.43	− 15.3	10 11 49.69	.....	+23 51 21.9	....
5	Moon I, N	8	23 12.30	+ 0.18	−48.23	335 12 5.82	46.066	+ 2.43	− 26.1	10 22 24.25	+69.59	+14 11 4.6	....
6	l Leonis	8	45 27.62	+ 0.19	**−48.24**	332 2 9.88	44.815	+ 2.43	− 30.1	10 44 39.57	.....	+11 0 35.0	....
7	χ Leonis	8	1 18.39	+ 0.20	**−48.29**	328 50 10.18	45.060	+ 2.43	− 34.3	11 0 30.35	.....	+ 7 48 36.6	....
8	δ Leonis	8	10 15.79	+ 0.15	**−48.28**	342 2 10.20	43.478	+ 2.43	− 18.4	11 9 27.69	.....	+21 0 16.9	....
	March 29, Ep.												
9	η Ophiuchi	8	6 8.94	+ 0.19	**−48.42**	305 26 4.32	42.685	+ 1.51	−1 22.1	17 5 20.66	.....	−15 37 12.0	....
10	α Herculis	8	11 27.28	+ 0.09	**−48.47**	335 30 10.45	45.868	+ 1.51	− 26.6	17 10 38.90	.....	+14 29 2.9	....
11	α Ophiuchi	8	31 39.99	+ 0.10	**−48.41**	333 38 10.60	45.968	+ 1.51	− 29.0	17 30 51.61	.....	+12 37 3.2	....
12	β Ophiuchi	8	39 56.48	+ 0.13	**−48.43**	325 38 7.88	43.555	+ 1.51	− 40.1	17 39 8.13	.....	+ 4 35 54.1	....
13	μ Herculis	7	43 49.96	+ 0.01	**−48.48**	348 48 11.32	42.150	+ 1.51	− 11.6	17 43 1.49	.....	+27 45 54.2	....
14	δ Ursæ Minoris	8	1 35.56	− 6.63	−48.49	47 36 12.02	45.305	+ 1.51	+1 4.6	18 0 40.44	.....	+86 36 22.7	....
	March 30, Ep.												
15	Sun I, S	8	35 9.48	+ 0.14	−48.62	324 34 18.08	46.450	+ 2.03	− 40.9	0 34 21.00	+64.39	+ 3 33 10.3	....
16	Sun II, N	8	37 18.26	+ 0.14	−48.62	325 6 7.88	47.002	+ 2.03	− 40.1	0 36 29.78	−64.39	+ 4 5 12.6	....
17	Mercury I, S	8	40 14.64	+ 0.10	−48.64	334 28 5.88	42.410	+ 1.98	− 27.4	1 39 26.10	+ 0.28	+13 25 39.4	....
18	δ Ursæ Minoris S. P.	8	1 21.38	+ 6.65	−48.72	54 22 7.72	48.030	+ 1.85	+1 20.1	18 0 39.31	.....	+86 36 23.2	....
19	μ Geminorum	.	.. ..	....	.....	343 34 9.52	47.278	+ 1.85	− 16.9	6 18	.....	+22 33 43.1	....
20	γ Geminorum	8	33 26.64	+ 0.12	**[−48.67]**	337 30 8.48	44.740	+ 1.85	− 23.8	6 33	.....	+16 28 37.8	....
	March 31, P.												
21	δ Crateris	8	15 46.79	+ 0.19	**−49.17**	306 44 9.30	44.568	+ 2.06	−1 16.2	11 14 57.80	.....	−14 18 17.5	....
22	υ Leonis	8	33 17.11	+ 0.16	**−49.13**	320 42 9.52	42.915	+ 2.06	− 46.6	11 32 28.09	.....	− 0 20 25.4	....
23	β Leonis	8	45 25.16	+ 0.11	**−49.16**	336 6 8.82	42.352	+ 2.06	− 25.2	11 44 36.08	.....	+15 3 42.5	....
24	β Virginis	8	46 57.38	+ 0.15	**−49.23**	323 16 8.38	47.778	+ 2.06	− 42.5	11 46 8.34	.....	+ 2 15 28.9	....
25	o Virginis	8	1 34.40	+ 0.13	**−49.19**	330 14 9.62	46.428	+ 2.06	− 32.6	12 0 45.34	.....	+ 9 13 9.1	....
26	Moon I, N	8	9 0.45	+ 0.16	−49.19	321 38 13.32	43.964	+ 2.06	− 45.1	12 8 11.42	+66.40	+ 0 36 4.2	....
27	η Virginis	8	16 14.88	+ 0.16	**−49.23**	320 50 12.18	46.918	+ 2.06	− 46.4	12 15 25.84	.....	− 0 11 50.9	....
28	δ Corvi	8	26 9.06	+ 0.19	**−49.20**	305 0 12.82	46.118	+ 2.06	−1 21.2	12 25 20.05	.....	−16 1 43.7	....
	April 1, P.												
29	Sun I, S	8	42 26.79	+ 0.14	−49.43	325 22 10.22	42.560	+ 2.14	− 38.6	0 41 37.50	+64.46	+ 4 19 35.8	....
30	Sun II, N	8	44 35.72	+ 0.14	−49.43	325 54 9.50	42.560	+ 2.14	− 37.9	0 43 46.43	−64.47	+ 4 51 34.9	....
31	η Boötis	8	51 21.04	+ 0.08	**−49.64**	339 52 9.28	42.995	+ 2.90	− 20.5	13 50 31.44	.....	+18 50 3.4	....
32	τ Virginis	8	58 1.12	+ 0.13	**−49.63**	323 0 9.18	43.652	+ 2.90	− 42.0	13 57 11.57	.....	+ 1 57 56.9	....
33	α Boötis	8	12 30.27	+ 0.07	**−49.74**	340 40 7.58	43.215	+ 2.90	− 19.6	14 11 40.65	.....	+19 38 8.0	....
34	ψ Boötis	8	1 31.89	+ 0.04	**−49.74**	348 18 9.00	45.345	+ 2.90	− 11.5	15 0 42.23	.....	+27 17 5.3	....
35	β Libræ	8	13 7.08	+ 0.16	**−49.68**	311 58 9.58	45.195	+ 2.90	−1 2.0	15 12 17.53	.....	− 9 3 46.9	....
36	α Coronæ Borealis	8	31 48.98	+ 0.04	**−49.75**	348 2 9.95	43.155	+ 2.90	− 11.8	15 30 59.31	.....	+27 0 16.0	....
	April 2, Ep.												
37	α Virginis	8	21 24.99	+ 0.07	**−50.18**	310 20 5.25	44.255	+ 2.67	−1 8.2	13 20 34.89	.....	−10 42 19.9	....
38	ζ Virginis	8	31 4.26	+ 0.05	**−50.20**	320 52 3.82	46.958	+ 2.67	− 47.2	13 30 14.14	.....	− 0 8 58.6	....
39	m Virginis	8	37 51.17	+ 0.06	**−50.17**	312 46 4.82	45.560	+ 2.67	−1 2.7	13 37 1.06	.....	− 8 15 44.5	....
40	Moon II, S	8	52 24.00	+ 0.06	−50.18	307 50 4.92	42.746	+ 2.67	−1 14.8	13 51 33.88	−66.45	−13 13 1.3	....
41	τ Virginis	8	58 1.77	+ 0.03	**−50.17**	323 0 4.52	44.010	+ 2.67	− 43.8	13 57 11.62	.....	+ 1 57 58.3	....
42	κ Virginis	8	9 3.61	+ 0.05	**−50.17**	311 10 6.52	44.805	+ 2.67	−1 6.5	14 8 13.48	.....	− 9 52 4.3	....
43	α Boötis	8	12 30.83	− 0.04	**−50.17**	340 40 5.65	43.422	+ 2.67	− 20.4	14 11 40.60	.....	+19 38 9.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 9 46	29.492	56.1	54.9
10 10	....	....	54.0
10 31	29.520	55.0	53.8
10 48	....	....	53.5
11 12	29.560	54.2	53.0
16 53	29.772	44.0	42.0
17 16	29.788	44.2	42.4
17 48	29.803	43.0	40.7
18 8	29.821	42.7	40.2
30 0 37	29.970	54.0	52.8
1 40	29.963	56.4	54.5
6 1	29.964	56.8	55.5
6 28	29.963	55.8	54.4
31 11 13	29.772	57.0	55.2
11 39	....	....	55.0
12 15	....	....	54.7
12 28	29.780	56.0	54.3
1 0 44	29.794	65.2	64.3
13 50	29.420	60.2	59.0
14 3	29.412	60.2	59.0
14 59	29.386	59.8	58.5
15 19	....	....	58.0
15 33	29.364	59.0	58.0
2 13 24	29.398	43.7	40.0
13 41	29.410	42.9	39.3
14 2	29.425	42.2	38.8
14 17	29.424	41.2	38.2

Micrometer bisections are made at II, VI, except as noted below.

5, 26, 40. Bisections at II, III, V, VI.

14, 18. Bisections at $9\overset{r}{.}0$, $11\overset{r}{.}0$.

15, 29. Bisections at I, II.

16, 30. Bisections at VI, VII.

17. Bisections at I, II, VI, VII.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+24 40.2	−16 13.8	...	+ 8 26.4
15	+ 5.1	+16 1.1	...	+16 6.2
16	+ 5.0	−16 1.1	...	−15 56.1
17	+ 4.5	.. ....	+ 4.1	+ 8.6
26	+36 13.1	−16 1.9	...	+20 11.2
29	+ 5.0	+15 59.5	...	+16 4.5
30	+ 4.9	−15 59.5	...	−15 54.6
40	+45 11.0	+15 40.9	...	+60 51.9

Notes.

6, 8, 25–28, 31–36. Clouds.

12. Circle reading decreased 10′.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 3, Ep.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N............	8	49 44.69	+ 0.08	−50.39	326 40 1.30	43.045	+ 3.08	− 38.3	0 48 54.38	+64.46	+ 5 37 39.2	....
2	Sun II, S............	8	51 53.62	+ 0.08	−50.39	326 8 3.30	43.058	+ 3.08	− 39.1	0 51 3.31	−64.47	+ 5 5 40.3	....
3	ρ Boötis............	8	28 54.89	0.00	−50.66	351 46 10.35	45.350	+ 2.72	− 8.6	14 28 4.23	.....	+30 45 9.4	....
4	Moon II, S............	8	44 0.51	+ 0.21	−50.66	302 10 10.82	43.989	+ 2.67	−1 35.3	14 43 10.06	−67.41	−18 52 47.8	....
5	ψ Boötis............	8	1 32.86	+ 0.03	**−50.66**	348 18 9.52	45.430	+ 2.59	− 12.4	15 0 42.22	.....	+27 17 6.6	....
6	β Libræ............	8	13 8.07	+ 0.19	**−50.66**	311 58 10.18	45.502	+ 2.54	−1 6.8	15 12 17.59	.....	− 9 3 44.4	....
7	α Coronæ Borealis.......	8	31 50.02	+ 0.03	**−50.74**	348 2 10.90	43.242	+ 2.46	− 12.7	15 30 59.37	.....	+27 0 17.6	....
8	α Serpentis............	8	40 47.90	+ 0.14	**−50.70**	327 44 10.80	43.145	+ 2.40	− 38.0	15 39 57.36	.....	+ 6 41 50.3	....
9	β Serpentis............	8	42 59.54	+ 0.10	**−50.67**	336 41 59.65	47.450	+ 2.40	− 25.9	15 42 8.96	.....	+15 41 29.3	....
10	μ Herculis............	.	.. ..	....	.....	348 48 11.65	42.155	+ 2.35	− 12.0	17 43	.....	+27 45 54.1	....
11	∂ Ursæ Minoris.........	6	1 39.60	− 7.18	−50.73	47 36 12.28	45.232	+ 2.35	+1 6.6	18 0 41.69	.....	+86 36 24.2	....
12	η Serpentis............	8	17 36.54	+ 0.18	**−50.69**	318 6 10.05	45.388	+ 2.35	− 54.4	18 16 45.99	.....	− **2** 55 35.6	....
	April 4, Ep.												
13	Sun I, S............	8	53 23.81	+ 0.19	−50.86	326 30 3.70	45.365	+ 2.51	− 38.3	0 52 33.14	+64.50	+ 5 28 34.1	....
14	Sun II, N............	7	55 32.82	+ 0.19	−50.86	327 2 6.52	45.200	+ 2.51	− 37.6	0 54 42.15	−64.51	+ 6 0 33.7	....
15	∂ Ursæ Minoris s. p.	7	1 25.67	+ 6.92	−50.96	54 22 3.50	48.205	+ 2.03	+1 20.1	18 0 41.63	.....	+86 36 23.2	....
16	χ Geminorum............	8	58 58.85	+ 0.05	**−50.99**	349 4 2.55	44.520	+ 1.92	− 11.1	7 58 7.91	.....	+28 2 39.3	....
17	30 Monocerotis............	8	22 7.41	+ 0.17	**−50.95**	317 24 2.48	46.770	+ 1.92	− 52.9	8 21 16.58	.....	− 3 37 10.7	....
18	η Cancri............	8	28 29.23	+ 0.08	**−50.93**	341 46 1.52	44.532	+ 1.92	− 19.0	8 27 38.31	.....	+20 44 31.4	....
19	ε Hydræ............	8	42 58.82	+ 0.14	**−50.93**	327 46	......	....	....	8 42 7.95	.....	+ 6 44	....
20	ζ Hydræ............	8	51 36.48	+ 0.14	**−50.99**	327 18 2.25	46.120	+ 1.92	− 37.1	8 50 45.61	.....	+ 6 16 50.7	....
21	α Cancri............	8	54 32.50	+ 0.12	**−50.96**	333 14 1.90	43.450	+ 1.92	− 29.1	8 53 41.61	.....	+12 11 56.9	....
	April 4, P.												
22	ψ Boötis............	8	1 33.29	+ 0.05	**−51.09**	348 18 9.82	45.402	+ 2.12	− 12.1	15 0 42.32	.....	+27 17 6.1	....
23	β Libræ............	8	13 8.49	+ 0.18	**−51.05**	311 58 11.12	45.340	+ 2.12	−1 5.0	15 12 17.65	.....	− 9 3 45.8	....
24	Moon II, S............	8	37 13.21	+ 0.21	−51.03	297 32 10.40	43.220	+ 2.12	−1 51.8	15 36 22.39	−68.64	−23 31 22.7	....
25	β Serpentis............	8	42 59.96	+ 0.11	**−51.07**	336 42 12.15	46.862	+ 2.12	− 25.2	15 42 9.04	.....	+15 41 28.8	....
26	ε Serpentis............	8	47 18.02	+ 0.15	**−51.05**	325 46 11.15	44.275	+ 2.12	− 39.8	15 46 27.14	.....	+ 4 44 14.1	....
27	δ Ophiuchi............	8	10 36.17	+ 0.17	**−51.10**	317 34 9.55	43.365	+ 2.12	− 53.6	16 9 45.30	.....	− 3 28 22.0	....
28	κ Ophiuchi............	8	54 22.18	+ 0.13	**−51.07**	330 32 10.58	44.315	+ 2.12	− 33.2	16 53 31.26	.....	+ 9 30 21.4	....
29	μ Herculis............	8	43 52.74	+ 0.05	**−51.12**	348 48 11.50	42.158	+ 2.12	− 11.6	17 43 1.72	.....	+27 45 54.2	....
30	∂ Ursæ Minoris.........	8	1 39.17	− 5.96	−51.08	47 36 9.80	45.432	+ 2.12	+1 4.7	18 0 42.13	.....	+86 36 24.1	....
	April 5, P.												
31	Sun I, N............	8	57 3.08	+ 0.18	−51.23	327 24 7.00	47.120	+ 1.68	− 35.8	0 56 12.03	+64.57	+ 6 23 19.7	....
32	Sun II, S............	8	59 12.21	+ 0.18	−51.23	326 52 5.70	47.385	+ 1.68	− 36.6	0 58 21.16	−64.56	+ 5 51 22.9	....
33	β Cancri............	8	12 36.71	+ 0.14	**−51.37**	330 28 9.18	47.230	+ 2.32	− 31.8	8 11 45.47	.....	+ 9 27 28.3	....
34	30 Monocerotis............	8	22 7.81	+ 0.16	**−51.36**	317 24 9.42	46.410	+ 2.32	− 51.6	8 21 16.59	.....	− 3 37 10.3	....
35	η Cancri............	8	28 29.67	+ 0.10	**−51.41**	341 46 8.25	44.205	+ 2.32	− 18.5	8 27 38.38	.....	+20 44 31.5	....
36	δ Cancri............	8	40 33.61	+ 0.11	**−51.46**	339 30 11.05	44.855	+ 2.32	− 21.0	8 39 42.33	.....	+18 28 45.9	....
37	ε Hydræ............	8	42 59.19	+ 0.14	**−51.32**	327 46 11.32	44.830	+ 2.32	− 35.5	8 42 7.94	.....	+ 6 44 31.7	....
38	ζ Hydræ............	8	51 36.89	+ 0.14	**−51.42**	327 18 10.42	45.690	+ 2.32	− 36.1	8 50 45.64	.....	+ 6 16 50.5	....
	April 5, Ep.												
39	Moon II, S............	8	32 8.52	+ 0.20	−51.65	294 8 15.40	42.526	+ 2.92	−2 7.4	16 31 17.07	−69.74	−26 55 48.3	....
40	α Herculis............	8	11 30.64	+ 0.13	**−51.67**	335 30 9.95	45.825	+ 2.92	− 26.2	17 10 39.11	.....	+14 29 3.2	....
41	α Ophiuchi............	8	31 43.41	+ 0.14	**−51.67**	333 38 10.08	45.948	+ 2.92	− 28.5	17 30 51.88	.....	+12 37 4.1	....
42	β Ophiuchi............	8	39 59.90	+ 0.16	**−51.67**	325 38 9.40	43.408	+ 2.92	− 39.4	17 39 8.39	.....	+ 4 35 54.3	....
43	μ Herculis............	8	43 53.27	+ 0.09	**−51.66**	348 48 8.82	42.242	+ 2.92	− 11.4	17 43 1.69	.....	+27 45 54.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
3 0 52	29.738	44.9	43.8
14 25	30.056	34.8	33.9
14 48	30.058	35.0	34.0
15 7	......	....	33.6
15 32	30.065	34.6	33.2
15 51	30.074	33.7	32.0
17 32	30.097	32.3	30.9
18 5	30.108	31.8	30.5
4 0 56	30.180	52.8	53.1
5 55	30.122	58.1	58.7
8 2	30.109	56.2	55.0
8 25	......	....	54.6
8 34	30 120	55.7	54.4
8 58	30.136	55.0	53.5
14 59	30 030	48.0	46.0
15 38	30.026	47.0	45.6
16 14	......	....	44.8
16 56	30.020	45.1	44.0
17 43	......	....	43.0
18 5	30.030	44.9	43.0
5 0 59	30.016	66.2	67.0
8 10	29.898	65.4	64.0
8 41	......	....	63.0
8 53	29.904	64.1	62.7
16 24	29.874	54.5	52.9
17 12	29.886	53.8	51.8
17 32	29.884	53.3	51.6
17 53	29.887	53.0	51.1

Micrometer bisections are made at II, VI, except as noted below.

1, 13, 31. Bisections at I, II.
2, 14, 32. Bisections VI, VII.
4, 24, 39. Bisections at II, III, V, VI.

11, 15, 30. Bisections at $9^{r}.0$, $11^{r}.0$.
16, 17. Bisection at VI.

Note.
16–21. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 4.8	−15 59.4	...	−15 54.6
2	+ 4.9	+15 59.4	...	+16 4.3
4	+47 50.0	+15 28.9	...	+63 18.9
13	+ 4.8	+15 59.7	...	+16 4.5
14	+ 4.7	−15 59.8	...	−15 55.1
24	+49 29.8	+15 17.1	...	+64 46.9
31	+ 4.7	−15 58.4	...	−15 53.7
32	+ 4.8	+15 58.3	...	+16 3.1
39	+50 22.1	+15 6.5	...	+65 28.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ursæ Minoris	8	1 39.05	− 4.28	−51.68	47 36 11.70	45.365	+ 2.92	+1 3.4	18 0 43.09	.....	+86 36 24.0	....
2	η Serpentis	8	17 37.60	+ 0.17	− 51.68	318 6 11.38	45.172	+ 2.92	− 51.7	18 16 46.08	.....	− 2 55 36.0	....
3	109 Herculis	8	20 49.05	+ 0.11	−51.69	342 46 11.05	41.012	+ 2.92	− 17.9	18 19 57.47	.....	+21 43 22.6	....
	April 6, Ep.												
4	Sun I, S.	8	0 42.51	+ 0.14	−51.82	327 16 5.72	43.778	+ 3.81	− 35.5	0 59 50.83	+64.57	+ 6 14 4.2	....
5	Sun II, N.	8	2 51.65	+ 0.14	−51.82	327 48 5.80	43.688	+ 3.81	− 34.8	1 1 59.97	−64.57	+ 6 46 2.3	....
6	ε Leonis	8	41 44.96	+ 0.05	−51.96	345 12 3.62	44.988	+ 3.85	− 14.7	9 40 53.02	.....	+24 10 50.4	....
7	μ Leonis	8	48 39.22	+ 0.05	−51.98	347 26 3.62	46.275	+ 3.85	− 12.4	9 47 47.28	.....	+26 25 21.3	....
8	π Leonis	8	56 27.08	+ 0.10	−51.98	329 30 5.35	43.448	+ 3.85	− 32.8	9 55 35.18	.....	+ 8 27 58.3	....
9	α Leonis	8	4 34.58	+ 0.10	−52.02	333 24 6.52	48.050	+ 3.85	− 27.9	10 3 42.68	.....	+12 23 49.9	....
10	ζ Leonis	8	12 41.49	+ 0.07	−52.00	344 52 7.05	46.288	+ 3.85	− 15.0	10 11 49.56	.....	+23 51 23.3	....
11	μ Hydræ	8	22 43.02	+ 0.15	−51.94	304 38 7.12	47.208	+ 3.85	−1 20.5	10 21 51.17	.....	−16 23 21.5	....
	April 6, P.												
12	κ Ophiuchi	8	54 23.19	+ 0.11	−52.01	330 32 11.75	44.092	+ 4.40	− 31.9	16 53 31.28	.....	+ 9 30 21.0	....
13	η Ophiuchi	8	6 12.79	+ 0.16	−52.00	305 26 11.45	42.078	+ 4.40	−1 19.2	17 5 20.93	.....	−15 37 12.9	....
14	α Herculis	8	11 31.04	+ 0.10	−52.01	335 30 11.90	45.655	+ 4.40	− 25.7	17 10 39.12	.....	+14 29 3.2	....
15	Moon II, S.	8	28 18.90	+ 0.18	−52.03	292 6 11.20	45.442	+ 4.40	−2 17.9	17 27 27.05	−70.35	−28 56 54.5	....
16	α Ophiuchi	8	31 43.86	+ 0.12	−52.07	333 38 13.42	45.700	+ 4.40	− 28.0	17 30 51.95	.....	+12 37 3.8	....
17	β Ophiuchi	8	40 0.33	+ 0.14	−52.06	325 38 12.98	43.155	+ 4.40	− 38.6	17 39 8.44	.....	+ 4 35 54.4	....
18	μ Herculis	8	43 53.71	+ 0.07	−52.05	348 48 12.88	41.970	+ 4.40	− 11.2	17 43 1.74	.....	+27 45 53.9	....
19	72 Ophiuchi	8	4 3.41	+ 0.14	−52.12	330 34 13.55	44.970	+ 4.40	− 31.8	18 3 11.51	.....	+ 9 32 42.7	....
	April 8, Ep.												
20	Sun I, N.	8	8 2.27	+ 0.09	−52.74	328 32 6.25	46.435	+ 4.28	− 35.7	1 7 9.62	+64.66	+ 7 31 5.0	....
21	Sun II, S.	6	10 11.60	+ 0.09	−52.74	328 0 6.02	46.628	+ 4.28	− 36.5	1 9 18.95	−64.67	+ 6 59 7.8	....
22	θ Hydræ	8	10 41.01	+ 0.09	−52.84	323 42 8.32	46.848	+ 2.89	− 43.3	9 9 48.21	.....	+ 2 41 8.0	....
23	40 Lyncis	8	16 36.39	− 0.06	−52.89	355 46 8.12	47.575	+ 2.89	− 4.3	9 15 43.44	.....	+34 46 2.6	....
24	α Hydræ	8	24 9.59	+ 0.12	−52.91	312 44 9.38	48.140	+ 2.89	−1 3.7	9 23 16.82	.....	− 8 16 41.8	....
25	ο Leonis	8	37 21.38	+ 0.06	−52.86	331 18 11.10	47.460	+ 2.89	− 32.3	9 36 28.54	.....	+10 17 35.1	....
26	ε Leonis	8	41 45.89	0.00	−52.87	345 12 11.40	44.760	+ 2.89	− 15 6	9 40 52.99	.....	+24 10 51.1	....
27	μ Leonis	8	48 40.16	− 0.01	−52.89	347 26 9.80	46.102	+ 2.89	− 13.1	9 47 47.25	.....	+26 25 21.9	....
28	π Leonis	8	56 27.98	+ 0.07	−52.87	329 30 11.68	43.330	+ 2.89	− 34.8	9 55 35.15	.....	+ 8 27 59.0	....
	April 8, P.												
29	α Ophiuchi	8	31 44.81	+ 0.12	−52.97	333 38 7.75	46.115	+ 2.32	− 29.5	17 30 51.99	.....	+12 37 4.0	....
30	β Ophiuchi	8	40 1.29	+ 0.14	−52.96	325 38 8.60	43.535	+ 2.32	− 40.7	17 39 8.49	.....	+ 4 35 54.5	....
31	μ Herculis	8	43 54.73	+ 0.04	−52.98	348 48 8.58	42.295	+ 2.32	− 11.8	17 43 1.83	.....	+27 45 54.4	....
32	72 Ophiuchi	8	4 4.32	+ 0.13	−52.96	330 34 11.35	45.262	+ 2.32	− 33.6	18 3 11.50	.....	+ 9 32 43.3	....
33	η Serpentis	8	17 38.96	+ 0.16	−52.94	318 6 8.85	45.390	+ 2.32	− 53.4	18 16 46.17	.....	− 2 55 35.8	....
34	109 Herculis	8	20 50.48	+ 0.08	−53.00	342 46 10.95	41.082	+ 2.32	− 18.5	18 19 57.61	.....	+21 43 22.9	....
35	51 H. Cephei s. p.	8	0 26.99	+ 8.36	−52.97	53 48 8.58	44.222	+ 2.32	+1 21.6	6 59 42.38	.....	+87 11 47.2	....
36	Moon II, N.	8	20 24.39	+ 0.21	−52.97	292 54 10.48	48.719	+ 2.32	−2 19.8	19 19 31.63	−69.36	−28 7 45.0	....
	April 9, P.												
37	Sun I, S.	8	11 42.49	+ 0.15	−53.08	328 21 55.40	48.035	+ 1.50	− 34.5	1 10 49.56	+64.73	+ 7 21 29.4	....
38	Sun II, N.	8	13 51.95	+ 0.15	−53.08	328 53 55.35	47.922	+ 1.50	− 33.8	1 12 59.02	−64.73	+ 7 53 26.5	....
39	51 H. Cephei	8	0 40.61	− 5.32	−53.19	48 12 7.68	43.975	+ 2.93	+1 2.1	6 59 42.10	.....	+87 11 47.1	....
40	β Cancri	8	12 38.54	+ 0.11	−53.23	330 28 7.90	47.215	+ 3.16	− 31.5	8 11 45.44	.....	+ 9 27 27.8	....
41	30 Monocerotis	8	22 9.59	+ 0.13	−53.17	317 24 8.98	46.355	+ 3.19	− 51.2	8 21 16.51	.....	− 3 37 10.7	....
42	η Cancri	8	28 31.44	+ 0.08	−53.22	341 46 7.90	44.185	+ 3.21	− 18.4	8 27 38.31	.....	+20 44 31.7	....
43	ζ Hydræ	8	51 38.69	+ 0.11	−53.24	327 18 9.22	45.720	+ 3.29	− 35.8	8 50 45.58	.....	+ 6 16 51.2	....
44	α Cancri	8	54 34.71	+ 0.10	−53.22	333 14 12.62	42.890	+ 3.30	− 28.2	8 53 41.59	.....	+12 11 57.1	....
45	κ Cancri	8	3 53.13	+ 0.10	−53.22	332 2 13.65	46.690	+ 3.33	− 29.6	9 3 0.01	.....	+11 1 23.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 18 24	29.888	52.4	50.4
6 1 2	29.880	71.9	72.1
9 42	29.820	68.5	67.0
9 59	......	....	66.2
10 8	29.812	67.8	66.1
10 26	29.806	67.3	65.8
16 53	29.700	60.0	58.0
16 59	......	....	58.0
17 35	......	....	58.0
17 46	29.700	60.0	58.1
18 6	29.700	60.0	58.0
8 1 10	29.976	48.0	46.0
9 6	29.985	42.3	41.8
9 27	29.971	41.9	41.1
9 59	29.989	41.6	40.1
17 29	29.940	38.0	36.3
17 50	......	....	36.2
18 24	29.936	37.8	36.0
19 5	......	....	36.0
19 21	29.936	38.0	36.3
9 1 14	29.804	62.2	63.8
7 4	29.622	67.1	66.3
8 10	29.612	64.5	63.1
8 35	......	....	62.5
9 5	29.616	63.2	61.6

Micrometer bisections are made at II, VI, except as noted below.

1, 35, 39. Bisections at 9.0^r, 11.0^r.

4, 20, 37. Bisections at I, II.

5, 21, 38. Bisections at VI, VII.

15, 36. Bisections at II, III, V, VI.

Note.

12–19, 29–36. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 4.7	+15 59.0	...	+16 3.7
5	+ 4.6	−15 59.0	...	−15 54.4
15	+50 38.9	+14 57.8	...	+65 36.7
20	+ 4.5	−15 58.5	...	−15 54.0
21	+ 4.6	+15 58.6	...	+16 3.2
36	+49 49.3	−14 48.6	...	+35 0.7
37	+ 4.6	+15 58.5	...	+16 3.1
38	+ 4.5	−15 58.5	...	−15 54.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 10, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ursæ Minoris s. p.	8	1 31.95	+ 5.05	−53.80	54 22 14.20	47.765	+ 2.43	+1 18.1	18 0 43.20	.....	+86 36 24.2	....
2	η Geminorum	8	10 27.61	+ 0.09	**[−53.71]**	343 34	......	....	.....	6 9 33.90	.....	+22 32	....
	April 10, P.												
3	α Ophiuchi	8	31 45.89	+ 0.02	**−53.89**	333 38 11.00	46.030	+ 1.46	− 29.0	17 30 52.00	.....	+12 37 4.9	
4	β Ophiuchi	8	40 2.38	+ 0.03	**−53.88**	325 38 12.25	43.410	+ 1.46	− 40.1	17 39 8.50	.....	+ 4 35 55.1	....
5	μ Herculis	8	43 55.79	− 0.03	**−53.91**	348 48 13.00	42.160	+ 1.46	− 11.6	17 43 1.85	.....	+27 45 55.0	....
6	72 Ophiuchi	8	4 5.46	+ 0.02	**−53.93**	330 34 12.78	45.245	+ 1.46	− 33.1	18 3 11.56	.....	+ 9 32 44.0	....
7	η Serpentis	8	17 40.16	+ 0.04	**−53.96**	318 6 14.28	45.200	+ 1.46	− 52.6	18 16 46.28	.....	− 2 55 34.8	....
8	109 Herculis	7	20 51.57	− 0.01	**−53.94**	342 44 11.55	46.370	+ 1.46	− 18.2	18 19 57.63	.....	+21 43 23.7	....
9	Moon II	8	5 44.08	+ 0.07	−53.98	298 18	......	....	.....	21 4 50.17	−66.31	.. ..	....
	April 11, P.												
10	Sun I, N	8	19 3.81	+ 0.01	−54.06	329 40 13.60	42.568	+ 1.52	− 33.0	1 18 9.76	+64.82	+ 8 37 44.3	....
11	Sun II, S	8	21 13.44	+ 0.01	−54.06	329 8 16.48	42.715	+ 1.52	− 33.7	1 20 19.39	−64.81	+ 8 5 49.3	....
12	51 H. Cephei	8	0 40.51	− 5.04	−54.17	48 12 6.38	44.058	+ 3.30	+1 2.2	6 59 41.30	.....	+87 11 48.1	....
13	β Cancri	8	12 39.50	+ 0.06	**−54.17**	330 28 11.20	47.112	+ 3.30	− 31.6	8 11 45.37	.....	+ 9 27 28.8	....
14	ζ Leonis	8	12 43.78	+ 0.02	**−54.29**	344 52 11.42	46.115	+ 3.30	− 15.2	10 11 49.57	.....	+23 51 23.0	....
15	μ Hydræ	8	22 45.30	+ 0.10	**−54.22**	304 38 10.00	47.095	+ 3.30	−1 21.2	10 21 51.17	.....	−16 23 22.4	....
16	ρ Leonis	8	29 6.36	+ 0.06	**−54.25**	330 46 12.42	47.175	+ 3.30	− 31.5	10 28 12.18	.....	+ 9 45 31.0	....
17	l Leonis	8	45 33.71	+ 0.06	**−54.26**	332 2 14.40	44.565	+ 3.30	− 29.9	10 44 39.53	.....	+11 0 34.9	....
18	χ Leonis	8	1 24.48	+ 0.06	**−54.29**	328 50 13.10	44.895	+ 3.30	− 34.1	11 0 30.29	.....	+ 7 48 36.8	....
19	δ Leonis	8	10 21.87	+ 0.03	**−54.29**	342 2 11.58	43.432	+ 3.30	− 18.3	11 9 27.65	.....	+21 0 18.2	....
20	δ Crateris	8	15 51.94	+ 0.09	**−54.26**	306 44 12.25	44.322	+ 3.30	−1 15.6	11 14 57.78	......	−14 18 18.3	....
	April 11, Ep.												
21	α Herculis	8	11 33.70	+ 0.04	**−54.48**	335 30 13.82	45.685	+ 2.83	− 26.1	17 10 39.26	.....	+14 29 3.9	....
22	α Ophiuchi	8	31 46.47	+ 0.05	**−54.48**	333 38 13.25	45.818	+ 2.83	− 28.4	17 30 52.04	.....	+12 37 4.3	....
23	β Ophiuchi	8	40 2.98	+ 0.06	**−54.48**	325 38 14.62	43.178	+ 2.83	− 39.2	17 39 8.55	.....	+ 4 35 54.4	....
24	μ Herculis	8	43 56.34	+ 0.01	**−54.47**	348 48 15.05	41.992	+ 2.83	− 11.3	17 43 1.86	.....	+27 45 54.9	....
25	72 Ophiuchi	8	4 5.94	+ 0.05	**−54.41**	330 34 15.10	45.020	+ 2.83	− 32.4	18 3 11.50	.....	+ 9 32 43.2	....
26	η Serpentis	8	17 40.66	+ 0.07	**−54.46**	318 6 16.42	44.962	+ 2.83	− 51.5	18 16 46.23	.....	− 2 55 35.6	....
27	Moon II	8	54 59.71	+ 0.10	−54.57	302 42	......	....	.....	21 54 5.24	−64.82	.. ..	....
	April 12, Ep.												
28	Sun I, S	8	22 44.99	+ 0.08	−54.64	329 30 12.45	42.580	+ 3.47	− 32.3	1 21 50.43	+64.67	+ 8 27 46.0	....
29	Sun II, N	8	24 54.33	+ 0.08	−54.64	330 2 13.70	42.285	+ 3.47	− 31.6	1 23 59.77	−64.67	+ 8 59 40.8	....
	April 14, P.												
30	30 Monocerotis	8	22 11.96	+ 0.09	**−55.58**	317 24 11.42	46.370	+ 1.95	− 52.2	8 21 16.45	.....	− 3 37 10.2	....
31	η Cancri	6	28 33.72	+ 0.03	**−55.53**	341 46 6.25	44.352	+ 1.95	− 18.7	8 27 38.15	.....	+20 44 32.2	....
32	δ Cancri	8	40 37.69	+ 0.04	**−55.60**	339 30 11.38	44.920	+ 1.95	− 21.3	8 39 42.12	.....	+18 28 47.0	....
33	ε Hydræ	8	43 3.41	+ 0.07	**−55.59**	327 46 10.70	44.880	+ 1.95	− 35.9	8 42 7.87	.....	+ 6 44 31.4	....
34	ζ Hydræ	8	51 40.99	+ 0.07	**−55.57**	327 18 10.58	45.740	+ 1.95	− 36.5	8 50 45.45	.....	+ 6 16 51.0	....
35	α Cancri	8	54 37.13	+ 0.06	**−55.67**	333 14 9.30	43.160	+ 1.95	− 28.7	8 53 41.58	.....	+12 11 58.1	....
36	κ Cancri	8	3 55.58	+ 0.06	**−55.70**	332 2 12.30	46.848	+ 1.95	− 30.2	9 3 0.03	.....	+11 1 23.3	....
37	θ Hydræ	8	10 43.73	+ 0.08	**−55.62**	323 42 10.65	46.695	+ 1.95	− 41.8	9 9 48.19	.....	+ 2 41 7.4	....
	April 18, P.												
38	β Ophiuchi	8	40 6.33	+ 0.07	**−57.65**	325 38 9.48	43.488	+ 1.74	− 39.4	17 39 8.72	.....	+ 4 35 55.0	....
39	μ Herculis	8	43 59.71	− 0.02	**−57.62**	348 48 11.55	42.228	+ 1.74	− 11.4	17 43 2.01	.....	+27 45 55.6	....
40	η Serpentis	8	17 44.06	+ 0.10	**−57.68**	318 6	......	....	.....	18 16 46.47	.....	− 2 55	....
41	109 Herculis	4	20 55.50	+ 0.02	**−57.66**	342 44 9.48	46.438	+ 1.74	− 17.9	18 19 57.83	.....	+21 43 23.7	....
42	110 Herculis	8	42 51.06	+ 0.04	**−57.77**	341 28 15.92	46.052	+ 1.74	− 19.3	18 41 53.40	.....	+20 27 20.6	....
43	ε Aquilæ	8	56 36.20	+ 0.06	**−57.75**	335 58 10.52	44.578	+ 1.74	− 25.8	18 55 38.56	.....	+14 56 34.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 6 2	29.672	63.2	63.4
17 29	29.812	43.6	42.0
18 0	....	....	41.3
18 23	29.822	43.0	41.1
11 1 21	29.827	59.3	60.5
6 56	29.722	68.5	67.6
8 10	29.708	65.1	64.0
10 2	....	....	60.9
10 8	29.730	61.1	....
10 32	29.731	61.2	60.0
11 0	....	....	59.3
11 17	29.738	60.1	58.5
17 5	29.730	52.8	55.6
17 26	29.728	52.6	50.4
17 55	29.730	52.8	50.6
18 18	29.739	52.8	50.3
12 1 25	29.738	72.0	72.9
14 8 23	....	....	58.0
8 24	29.904	59.0	....
8 46	....	....	57.5
9 12	29.926	58.0	57.2
18 17 38	29.528	46.2	45.0
18 25	....	....	45.0
18 46	29.544	45.8	44.3
19 2	29.540	45.1	44.1

Micrometer bisections are made at II, VI, except as noted below.

1, 12. Bisections at $\overset{r}{9}.0$, $\overset{r}{11}.0$.
10, 28. Bisections at I, II.
11, 29. Bisections at VI, VII.
31. Bisection at VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 4.4	−15 57.5	...	−15 53.1
11	+ 4.5	+15 57.4	...	+16 1.9
28	+ 4.4	+15 57.4	...	+16 1.8
29	+ 4.3	−15 57.3	...	−15 53.0

Notes.

1. Revolutions of micrometer reading assumed.
25, 30-37. Clouds.
36. Very faint.
38, 39. Clouds; blurred.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	April 19, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Ophiüchi..............	8	33 18.36	+ 0.15	**−58.24**	310 38 5.80	46.162	+ 1.43	−1 7.9	16 32	.....	−10 23 36.2	....
2	κ Ophiuchi..............	8	54 29.74	+ 0.09	**−58.21**	330 32 6.68	44.530	+ 1.43	− 33.0	16 54	.....	+ 9 30 21.9	....
3	η Ophiuchi..............	8	6 19.22	+ 0.16	**−58.08**	305 26 6.18	42.575	+ 1.43	−1 22.0	17 5	.....	−15 37 12.6	....
	April 20, Ep.												
4	Sun I, N..............	8	52 26.17	+ 0.11	−58.36	332 51 57.90	42.718	+ 1.44	− 29.1	1 51 27.92	+65,14	+11 49 35.8	....
5	Sun II, S..............	8	54 36.46	+ 0.11	−58.36	332 20 2.00	43.152	+ 1.44	− 29.8	1 53 38.21	−65.15	+11 17 48.2	....
6	κ Cancri..............	8	3 58.32	+ 0.06	**−58.52**	332 2 2.58	47.308	+ 1.66	− 30.4	9 2 59.87	.....	+11 1 23.6	....
7	θ Hydræ..............	8	10 46.53	+ 0.08	**−58.50**	323 42 1.75	47.140	+ 1.66	− 42.1	9 9 48.10	.....	+ 2 41 8.1	....
8	α Hydræ..............	8	24 15.02	+ 0.11	**−58.48**	312 44 2.82	48.400	+ 1.66	−1 2.0	9 23 16.61	.....	− 8 16 41.9	....
9	α Leonis..............	8	4 41.00	+ 0.05	**−58.54**	333 24 2.72	48.370	+ 1.66	− 28.8	10 3 42.52	.....	+12 23 50.3	....
10	ζ Leonis..............	8	12 47.96	0.00	**−58.56**	344 52 2.52	46.652	+ 1.66	− 15.5	10 11 49.43	.....	+23 51 24.4	....
11	μ Hydræ..............	8	22 49.50	+ 0.13	**−58.54**	304 38 1.95	47.598	+ 1.66	−1 23.2	10 21 51.09	.....	−16 23 22.6	....
	April 22, P.												
12	α Ophiuchi..............	8	31 51.87	+ 0.05	**−59.58**	333 38 12.52	45.915	+ 2.30	− 28.3	17 30 52.38	.....	+12 37 5.4	....
13	72 Ophiuchi..............	7	4 11.41	+ 0.06	**−59.58**	330 34 13.45	45.165	+ 2.30	− 32.3	18 3 11.92	.....	+ 9 32 44.5	....
14	η Serpentis..............	8	17 46.06	+ 0.11	**−59.57**	318 6 13.58	45.130	+ 2.30	− 51.3	18 16 46.62	.....	− 2 55 35.0	....
15	109 Herculis..............	4	20 57.53	+ 0.01	**−59.56**	342 44	......	....	.....	18 19 57.98	.....	+21 43	....
16	110 Herculis..............	6	42 52.90	+ 0.02	**−59.47**	341 28	......	....	.....	18 41 53.36	.....	+20 27	....
	April 23, P.												
17	Sun I, S..............	8	3 40.58	+ 0.06	−59.71	333 20 9.38	44.635	+ 2.29	− 28.7	2 2 40.93	+65.47	+12 18 32.4	....
18	Sun II, N..............	8	5 51.51	+ 0.06	−59.71	333 52 9.12	44.152	+ 2.29	− 28.0	2 4 51.86	−65.46	+12 50 21.3	....
19	Moon I, N..............	8	5 4.38	− 0.01.	−59.83	346 44 13.55	47.180	+ 2.26	− 13.4	8 4 4.54	+75.03	+25 43 49.8	....
20	θ Hydræ..............	8	10 47.81	+ 0.09	**−59.83**	323 42 10.88	46.695	+ 2.26	− 42.1	9 9 48.05	.....	+ 2 41 7.7	....
21	α Hydræ..............	8	24 16.35	+ 0.13	**−59.87**	312 44 10.88	48.040	+ 2.26	−1 2.0	9 23 16.63	.....	− 8 16 41.5	....
22	ο Leonis..............	8	37 28.16	+ 0.07	**−59.83**	331 18 13.68	47.318	+ 2.26	− 31.4	9 36 28.37	.....	+10 17 34.7	....
23	ε Leonis..............	8	41 52.73	0.00	**−59.90**	345 12 10.48	44.825	+ 2.26	− 15.1	9 40 52.87	.....	+24 10 51.6	....
24	μ Leonis..............	8	48 46.98	− 0.01	**−59.90**	347 26 9.85	46.162	+ 2.26	− 12.8	9 47 47.11	.....	+26 25 22.9	....
25	π Leonis..............	8	56 34.84	+ 0.07	**−59.89**	329 30 13.30	43.248	+ 2.26	− 33.9	9 55 35.05	.....	+ 8 27 59.0	....
	April 23, Ep.												
26	κ Ophiuchi..............	8	54 31.76	+ 0.04	**−60.09**	330 32 12.20	44.338	+ 1.61	− 33.1	16 53 31.68	.....	+19 30 23.1	....
27	η Ophiuchi..............	8	6 21.40	+ 0.11	**−60.10**	305 26 15.62	42.212	+ 1.61	−1 22.4	17 5 21.39	.....	−15 37 11.7	....
28	α Herculis..............	8	11 39.66	+ 0.02	**−60.11**	335 30 13.75	45.862	+ 1.61	− 26.7	17 10 39.56	.....	+14 29 6.0	....
29	η Serpentis..............	8	17 46.68	+ 0.08	**−60.14**	318 6 16.55	45.098	+ 1.61	− 52.9	18 16 46.62	.....	− 2 55 35.0	....
30	109 Herculis..............	7	20 58.18	− 0.01	**−60.16**	342 44 13.02	46.332	+ 1.61	− 18.3	18 19 58.03	.....	+21 43 24.3	....
31	ε Aquilæ..............	8	56 38.76	+ 0.02	**−60.12**	335 58 16.58	44.350	+ 1.61	− 26.3	18 55 38.62	.....	+14 56 34.9	....
	April 24, Ep.												
32	Sun I, N..............	8	7 26.21	+ 0.06	−60.29	334 12 11.80	43.528	+ 2.22	− 27.1	2 6 25.98	+65.54	+13 10 11.2	....
33	Sun II, S..............	8	9 37.28	+ 0.06	−60.29	333 40 10.18	44.162	+ 2.22	− 27.8	2 8 37.05	−65.53	+12 38 22.6	....
	April 24, M.												
34	α Ophiuchi..............	6	31 52.78	+ 0.04	**−60.43**	333 38 13.98	45.930	+ 2.28	− 28.8	17 30 52.41	.....	+12 37 6.7	....
35	β Ophiuchi..............	8	40 9.24	+ 0.06	**−60.39**	325 38 12.08	43.435	+ 2.22	− 39.7	17 39 8.89	.....	+ 4 35 56.6	....
36	μ Herculis..............	8	44 2.69	− 0.03	**−60.42**	348 48 11.42	42.270	+ 2.20	− 11.5	17 42 2.25	.....	+27 45 56.8	....
37	72 Ophiuchi..............	8	4 12.32	+ 0.04	**−60.41**	330 34 12.98	45.245	+ 2.05	− 32.9	18 3 11.94	.....	+ 9 32 45.0	....
38	η Serpentis..............	8	17 46.99	+ 0.08	**−60.42**	318 6 12.95	45.255	+ 1.95	− 52.3	18 16 46.65	.....	− 2 55 34.1	....
39	109 Herculis..............	8	20 58.45	0.00	**−60.41**	342 44 10.22	46.460	+ 1.95	− 18.1	18 19 58.03	.....	+21 43 25.0	....
	April 25, M.												
40	Sun I, N..............	8	11 12.23	+ 0.04	−60.58	334 32 10.48	42.635	+ 1.60	− 27.3	2 10 11.69	+65.58	+13 29 48.9	....
41	Sun II, S..............	8	13 23.39	+ 0.04	−60.58	334 0 16.50	42.920	+ 1.60	− 28.0	2 12 22.85	−65.58	+12 57 59.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 16 33	[illegible]	44.4	44.7
16 59	29.873	44.1	44.0
20 1 55	29.916	58.4	59.0
9 0	29.896	56.2	54.4
9 24	29.885	54.9	53.1
10 4	29.898	53.2	51.6
10 23	29.897	52.9	51.2
22 17 29	29.552	51.4	50.0
18 9	......	....	49.0
18 24	29.568	51.0	49.0
23 2 6	29.786	55.3	53.5
8 8	29.866	56.3	56.0
9 8	29.890	54.8	54.0
9 35	......	....	53.4
9 58	29.920	53.1	52.5
16 50	29.958	44.8	43.8
17 12	29.960	44.2	43.0
18 18	29.969	43.2	41.3
18 35	29.963	42.9	41.2
18 57	29.968	43.2	41.2
24 2 10	29.976	66.3	66.1
17 32	30.074	51.7	50.2
17 43	......	....	49.7
18 4	......	....	48.8
18 21	30.086	49.8	48.3
25 2 13	30.258	61.0	59.0

Micrometer bisections are made at II, VI, except as noted below.

4, 17, 32, 40.	Bisections at I, II.
5, 18, 33, 41.	Bisections at VI, VII.
19.	Bisections at II, III, V, VI.

Notes.

1.	Haze; fuzzy.
3.	Very poor; clouds.
13–16.	Clouds.
29, 30.	Jumping.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 4.0	−15 53.8	...	−15 49.8
5	+ 4.0	+15 53.8	...	+15 57.8
17	+ 3.9	+15 54.4	...	+15 58.3
18	+ 3.8	−15 54.4	...	−15 50.6
19	+13 19.3	−16 11.1	...	− 2 51.8
32	+ 3.8	−15 54.3	...	−15 50.5
33	+ 3.8	+15 54.3	...	+15 58.1
40	+ 3.7	−15 54.6	...	−15 50.9
41	+ 3.8	+15 54.5	...	+15 58.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	1 H. Draconis	8	25 47.26	− 2.18	−60.72	42 42 3.42	48.672	+ 1.78	+ 53.3	9 24 44.36	.....	+81 43 20.6	....
2	*o* Leonis	8	37 29.11	+ 0.02	**−60.71**	331 18 3.62	47.790	+ 1.78	− 31.5	9 36 28.36	.....	+10 17 34.9	....
3	ε Leonis	8	41 53.61	− 0.04	**−60.77**	345 12 2.42	45.230	+ 1.78	− 15.2	9 40 52.84	.....	+24 10 52.2	....
4	μ Leonis	8	48 47.86	− 0.05	**−60.77**	347 26 2.78	46.548	+ 1.78	− 12.8	9 47 47.08	.....	+26 25 24.2	....
5	π Leonis	8	56 35.71	+ 0.03	**−60.68**	329 30 5.90	43.595	+ 1.78	− 34.0	9 55 34.95	.....	+ 8 27 59.0	....
6	Moon I, N	8	4 38.82	0.00	−60.74	337 16 4.50	46.274	+ 1.78	− 24.1	10 3 38.08	+69.65	+16 15 8.6	....
7	ζ Leonis	8	12 50.07	− 0.04	**−60.69**	344 52 5.50	46.560	+ 1.78	− 15.6	10 11 49.29	.....	+23 51 25.3	....
8	μ Hydræ	8	22 51.71	+ 0.09	**−60.77**	304 38 2.20	47.578	+ 1.78	−1 23.3	10 21 51.06	.....	−16 23 22.8	....
	April 27, Ep.												
9	1 H. Draconis	8	24 48.36	− 2.16	− 1.93	42 42 4.68	48.628	+ 3.43	+ 51.9	9 24 44.27	.....	+81 43 21.1	....
10	χ Leonis	8	0 32.04	+ 0.06	− **1.98**	328 50 5.65	45.250	+ 3.06	− 33.9	11 0 30.14	.....	+ 7 48 37.5	....
11	δ Leonis	8	9 29.43	0.00	− **1.94**	342 2 4.25	43.812	+ 3.00	− 18.2	11 9 27.47	.....	+21 0 19.3	....
12	δ Crateris	8	14 59.49	+ 0.12	− **1.95**	306 44 4.40	44.618	+ 2.96	−1 15.1	11 14 57.65	.....	−14 18 19.3	....
13	υ Leonis	8	32 29.94	+ 0.09	− **2.00**	320 42 4.62	43.085	+ 2.83	− 46.0	11 32 28.06	.....	− 0 20 25.1	....
14	β Leonis	8	44 37.95	+ 0.04	− **1.97**	336 6 3.62	42.625	+ 2.75	− 24.9	11 44 36.02	.....	+15 3 44.5	....
15	Moon I, N	8	48 34.21	+ 0.08	− 1.98	324 18 3.62	47.080	+ 2.73	− 40.4	11 48 32.31	+65.99	+ 3 17 11.5	....
16	*o* Virginis	8	0 47.22	+ 0.06	− **1.98**	330 14 3.22	46.728	+ 2.65	− 32.2	12 0 45.29	.....	+ 9 13 10.6	....
17	η Virginis	8	15 27.70	+ 0.10	− **1.97**	320 50 3.25	47.315	+ 2.54	− 45.8	12 15 25.81	.....	− 0 10 49.7	....
	May 1, Ep.												
18	Sun I, N	8	32 59.71	+ 0.08	− 3.72	336 24 2.10	45.415	+ 1.73	− 24.7	2 32 56.07	+65.93	+15 22 46.3	....
19	Sun II, S	8	35 11.58	+ 0.08	− 3.72	335 52 4.10	46.060	+ 1.73	− 25.3	2 35 7.94	−65.94	+14 51 2.0	....
20	1 H. Draconis	8	24 49.33	− 1.94	− 3.83	42 42 4.38	48.662	+ 2.41	+ 52.5	9 24 43.56	.....	+81 43 21.2	....
21	ζ Leonis	8	11 53.16	− 0.02	− **3.87**	344 52 4.45	46.562	+ 2.41	− 15.3	10 11 49.29	.....	+23 51 25.2	....
22	μ Hydræ	8	21 54.72	+ 0.09	− **3.85**	304 38 3.80	47.438	+ 2.41	−1 22.1	10 21 50.96	.....	−16 23 22.6	....
23	ρ Leonis	8	28 15.82	+ 0.03	− **3.87**	330 46 4.50	47.618	+ 2.41	− 31.8	10 28 11.99	.....	+ 9 45 32.0	....
24	*o* Virginis	.	.. ..	....	.....	330 14 5.80	46.682	+ 2.41	− 32.7	12 0	.....	+ 9 13 11.4	....
25	η Virginis	8	15 29.62	+ 0.06	− **3.87**	320 50 5.75	47.240	+ 2.41	− 46.7	12 15 25.79	.....	− 1 10 49.9	....
26	δ Corvi	8	25 23.88	+ 0.09	− **3.89**	305 0 7.85	46.298	+ 2.41	−1 21.7	12 25 20.07	.....	−16 1 44.7	....
27	β Corvi	8	29 51.08	+ 0.10	− 3.90	298 8 4.92	44.630	+ 2.41	−1 46.9	12 29 47.28	.....	−22 54 51.3	....
	May 1, M.												
28	Moon II, S	7	12 51.84	+ 0.09	− 3.78	299 26 6.42	45.770	+ 2.23	−1 41.7	15 12 48.15	−67.96	−21 36 18.3	....
29	α Coronæ Borealis	8	31 3.72	− 0.07	− **3.84**	348 2 6.15	43.608	+ 2.23	− 12.2	15 30 59.87	.....	+27 0 21.4	....
30	α Serpentis	8	40 1.64	+ 0.01	− **3.79**	327 44 10.00	43.175	+ 2.23	− 36.4	15 39 57.86	.....	+ 6 41 51.6	....
31	ε Serpentis	8	46 31.34	+ 0.02	− **3.73**	325 46 9.55	44.400	+ 2.23	− 39.2	15 46 27.57	.....	+ 4 44 16.1	....
32	δ Ophiuchi	8	9 49.58	+ 0.04	− **3.80**	317 34 6.82	43.485	+ 2.23	− 52.7	16 9 45.82	.....	− 3 28 20.9	....
33	ε Ophiuchi	8	13 45.44	+ 0.04	− **3.80**	316 32 8.98	47.125	+ 2.23	− 54.6	16 13 41.68	.....	− 4 28 57.5	....
34	α Scorpii	8	24 6.33	+ 0.08	− 3.80	294 48 9.48	46.258	+ 2.23	−2 4.1	16 24 2.61	.....	−26 14 26.4	....
35	Jupiter I, C	4	50 53.07	+ 0.07	− 3.81	299 20 6.48	45.256	+ 2.23	−1 42.2	16 50 49.33	+ 1.51	−21 40 47.5	....
36	Jupiter II	4	50 56.10	+ 0.07	− 3.81	... .	......	....	. ....	16 50 52.36	− 1.52	.. ..	....
	May 2, M.												
37	Sun I, S	8	36 49.11	+ 0.07	− 4.01	336 10 4.35	45.930	+ 2.16	− 24.3	2 36 45.17	+66.14	+15 9 1.0	....
38	Sun II, N	8	39 1.39	+ 0.07	− 4.01	336 42 4.15	45.165	+ 2.16	− 23.7	2 38 57.45	−66.14	+15 40 43.2	....
39	1 H. Draconis	8	24 49.90	− 2.72	− 4.15	42 43 59.72	43.700	+ 2.32	+ 50.8	9 24 43.03	.....	+81 43 21.3	....
40	π Leonis	8	55 39.02	+ 0.03	− **4.13**	329 29 59.52	43.788	+ 2.32	− 32.4	9 55 34.89	.....	+ 8 27 59.1	....
41	α Leonis	8	3 46.52	+ 0.01	− **4.15**	333 24 0.55	48.428	+ 2.32	− 27.5	10 3 42.37	.....	+12 23 51.4	....
42	ζ Leonis	8	11 53.43	− 0.05	− **4.13**	344 51 59.40	46.790	+ 2.32	− 14.8	10 11 49.21	.....	+23 51 25.8	....
43	μ Hydræ	8	21 54.96	+ 0.13	− **4.15**	304 38 1.98	47.400	+ 2.32	−1 19.4	10 21 50.92	.....	−16 23 22.7	....
44	ρ Leonis	8	28 16.09	+ 0.03	− **4.15**	330 46 1.98	47.700	+ 2.32	− 30.7	10 28 11.95	.....	+ 9 45 32.3	....
	May 2, P.												
45	Moon II, S	8	7 12.90	+ 0.12	− 4.35	295 28 9.62	44.860	+ 2.85	−1 58.2	16 7 8.67	−69.32	−25 34 51.5	....
46	ε Ophiuchi	8	13 45.98	+ 0.08	− **4.37**	316 32 10.40	46.985	+ 2.85	− 53.6	16 13 41.70	.....	− 4 28 57.6	....
47	α Scorpii	7	23 6.80	+ 0.12	− 4.36	294 48 10.65	46.075	+ 2.85	−2 1.8	16 23 2.56	.....	−26 14 26.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 9 26	30.270	59.8	58.7
9 49	......	....	57.2
10 23	30.280	57.7	56.5
27 9 25	29.850	65.4	65.1
11 1	29.890	64.0	65.0
11 20	29.892	63.2	64.2
11 49	29.895	62.3	63.2
12 15	29.900	61.9	62.7
1 2 35	30.000	61.8	62.2
9 25	29.886	61.7	60.1
10 12	29.901	59.8	58.0
10 28	29.918	59.3	57.5
12 1	29.912	56.2	54.3
12 30	29.900	55.2	53.2
15 13	29.866	52.4	50.7
15 31	......	....	50.4
16 10	29.850	51.8	49.9
16 24	......	....	49.8
16 51	29.838	51.0	49.4
2 2 39	29.820	71.3	72.6
9 25	29.810	73.3	74.8
9 56	......	....	73.4
10 12	......	....	73.4
10 28	29.816	71.9	73.1
16 3	29.856	60.3	59.2

Micrometer bisections are made at II, VI, except as noted below.

1, 9, 20, 39. Bisections at b_4, b_6.
6, 15, 28, 45. Bisections at II, III, V, VI.
18, 37. Bisections at I, II.
19, 38, 47. Bisections at VI, VII.
35. Bisections I, II, VI, VII.
35. Z. D. threads A used.

Notes.
1-5. Clouds.
9. Haze.
12. Fuzzy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+22 30.4	−16 5.3	...	+ 6 25.1
15	+33 45.4	−15 54.6	...	+17 50.8
18	+ 3.5	−15 52.2	...	−15 48.7
19	+ 3.5	+15 52.1	...	+15 55.6
28	+48 46.7	+15 20.5	...	+64 7.2
35	+ 1.7	.. ....	...	+ 1.7
37	+ 3.5	+15 51.1	...	+15 54.6
38	+ 3.4	−15 51.0	...	−15 47.6
45	+50 4.5	+15 11.2	...	+65 15.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Herculis	8	26 32.45	0.00	− **4.35**	342 42 11.82	44.105	+ 2.85	− 17.6	16 26 28.09	.....	+21 40 34.3	....
2	Jupiter I, C	4	50 30.41	+ 0.12	− 4.37	299 22 11.68	41.326	+ 2.85	−1 40.4	16 50 26.16	+ 1.67	−21 40 9.8	....
3	Jupiter II	4	50 33.75	+ 0.12	− 4.37	... .	......	....	. ....	16 50 29.50	− 1.67	.. ..	....
4	η Ophiuchi	8	5 25.89	+ 0.10	− **4.36**	305 26 12.55	42.158	+ 2.85	−1 19.6	17 5 21.62	.....	−15 37 11.9	....
5	α Herculis	8	10 44.18	+ 0.02	− **4.42**	335 30 11.55	45.910	+ 2.85	− 25.9	17 10 39.82	.....	+14 29 6.0	....
6	α Ophiuchi	8	30 56.96	+ 0.03	− **4.41**	333 38 11.08	46.038	+ 2.85	− 28.2	17 30 52.61	.....	+12 37 7.4	....
7	110 Herculis	8	41 58.22	0.00	− **4.48**	341 28 11.18	46.295	+ 2.85	− 19.1	18 41 53.81	.....	+20 27 22.8	....
8	ε Aquilæ	8	55 43.31	+ 0.02	− **4.40**	335 58 13.35	44.475	+ 2.85	− 25.4	18 55 38.92	.....	+14 56 36.7	....
9	51 H. Cephei s. P.	8	59 31.36	+ 6.64	− 4.41	53 48 10.00	44.410	+ 2.85	+1 18.1	6 59 33.59	.....	+87 11 44.4	....
	May 3, P.												
10	Sun I, N	7	40 39.51	+ 0.01	− 4.58	337 0 5.60	44.475	+ 2.47	− 23.7	2 40 34.94	+66.24	+15 58 29.7	....
11	Sun II, S	8	42 51.99	+ 0.01	− 4.58	336 28 5.40	45.132	+ 2.47	− 24.3	2 42 47.42	−66.24	+15 26 44.0	....
12	1 H. Draconis	8	24 50.04	− 2.00	− 4.73	42 44 7.30	43.318	+ 2.26	+ 51.9	9 24 43.31	.....	+81 43 20.9	....
13	α Leonis	8	3 47.10	− 0.01	− **4.73**	333 24 9.50	48.069	+ 2.26	− 28.1	10 3 42.34	.....	+12 23 51.5	....
14	ζ Leonis	8	11 54.08	− 0.06	− **4.78**	344 52 10.58	46.298	+ 2.26	− 15.2	10 11 49.27	.....	+23 51 25.3	....
15	μ Hydræ	8	21 55.62	+ 0.07	− **4.76**	304 38 7.78	47.205	+ 2.26	−1 21.3	10 21 50.94	.....	−16 23 23.3	....
16	ρ Leonis	8	28 16.74	0.00	− **4.78**	330 46 11.38	47.330	+ 2.26	− 31.5	10 28 11.98	.....	+ 9 45 32.4	....
17	β Virginis	8	46 12.98	+ 0.02	− **4.79**	323 16 12.20	47.645	+ 2.26	− 42.1	11 46 8.22	.....	+ 2 15 30.3	....
18	ο Virginis	8	0 50.08	0.00	− **4.81**	330 14 13.05	46.345	+ 2.26	− 32.4	12 0 45.29	.....	+ 9 13 11.1	....
19	η Virginis	8	15 30.51	+ 0.03	− **4.73**	320 50 10.05	47.078	+ 2.26	− 46.2	12 15 25.75	.....	− 0 10 49.0	....
	May 3, Ep.												
20	ε Ophiuchi	8	13 46.70	+ 0.02	− **5.01**	316 32 14.40	46.868	+ 2.40	− 54.3	16 13 41.73	.....	− 4 28 57.4	....
21	α Scorpii	8	24 7.46	+ 0.06	− 4.99	294 48 12.92	46.058	+ 2.40	−2 3.3	16 24 2.53	.....	−26 14 26.6	....
22	ζ Ophiuchi	8	32 25.51	+ 0.03	− **4.97**	310 38 12.48	45.802	+ 2.40	−1 6.7	16 32 20.55	.....	−10 23 35.5	....
23	Jupiter I, C	4	50 7.58	+ 0.05	− 5.00	299 22 15.08	42.928	+ 2.40	−1 41.4	16 50 2.63	+ 1.53	−21 39 31.2	....
24	Jupiter II	4	50 10.65	+ 0.05	− 5.00	... .	......	....	. ....	16 50 5.70	− 1.54	.. ..	....
25	Moon II, S	8	3 19.43	+ 0.06	− 5.00	292 50 13.88	43.749	+ 2.40	−2 15.2	17 3 14.49	−70.29	−28 13 30.6	....
26	α Herculis	8	10 44.84	− 0.04	− **5.00**	335 30 14.55	45.832	+ 2.40	− 26.1	17 10 39.79	.....	+14 29 7.6	....
27	α Ophiuchi	8	30 57.64	− 0.03	− **5.01**	333 38 12.58	45.982	+ 2.40	− 28.4	17 30 52.60	.....	+12 37 7.0	....
28	β Ophiuchi	8	39 14.14	0.00	− **5.01**	325 38 13.72	43.348	+ 2.40	− 39.2	17 39 9.13	.....	+ 4 35 57.0	....
	May 4, Ep.												
29	Sun I, S	8	44 30.42	− 0.01	− 5.19	336 46 4.95	43.765	+ 2.15	− 23.9	2 44 25.22	+66.24	+15 44 12.5	....
30	Sun II, N	8	46 42.91	− 0.01	− 5.19	337 18 5.12	43.050	+ 2.15	− 23.3	2 46 37.71	−66.25	+16 15 56.7	....
31	1 H. Draconis	8	24 50.12	− 1.82	− 5.30	42 44 0.90	43.570	+ 2.63	+ 51.9	9 24 43.00	.....	+81 43 20.9	....
32	ζ Leonis	8	11 54.59	− 0.08	− **5.28**	344 52	......	....	. ....	10 11 49.19	.....	+23 51	....
33	μ Hydræ	8	21 56.22	+ 0.02	− **5.32**	304 38 9.00	47.162	+ 2.63	−1 21.2	10 21 50.92	.....	−16 23 22.6	....
34	ρ Leonis	8	28 17.26	− 0.04	− **5.27**	330 46 8.62	47.445	+ 2.63	− 31.5	10 28 11.89	.....	+ 9 45 32.7	....
35	l Leonis	8	44 44.64	− 0.04	− **5.31**	332 2 10.42	44.870	+ 2.63	− 30.0	10 44 39.27	.....	+11 0 37.1	....
36	46 Leonis Minoris	8	48 30.84	− 0.13	− 5.33	355 42 8.15	46.015	+ 2.63	− 4.2	10 48 25.38	.....	+34 41 27.3	....
37	χ Leonis	8	0 35.42	− 0.03	− **5.34**	328 50 9.42	45.192	+ 2.63	− 34.2	11 0 30.05	.....	+ 7 48 39.2	....
38	δ Leonis	8	9 32.82	− 0.07	− **5.33**	342 2 9.12	43.695	+ 2.63	− 18.3	11 9 27.41	.....	+21 0 21.1	....
	May 4, P.												
39	Jupiter I, C	4	49 43.84	0.00	− 5.35	299 22 11.68	44.825	+ 2.28	−1 42.2	16 49 38.49	+ 1.63	−21 38 52.1	....
40	Jupiter II	4	49 47.10	0.00	− 5.35	... .	......	....	. ....	16 49 41.75	− 1.63	.. ..	....
41	η Ophiuchi	8	5 27.07	− 0.01	− **5.38**	305 26 11.85	42.292	+ 2.28	−1 21.1	17 5 21.71	.....	−15 37 11.6	....
42	α Herculis	8	10 45.30	− 0.08	− **5.40**	335 30 12.85	45.905	+ 2.28	− 26.3	17 10 39.87	.....	+14 29 8.2	....
43	α Ophiuchi	8	30 58.11	− 0.08	− **5.40**	333 38 11.10	46.098	+ 2.28	− 28.6	17 30 52.67	.....	+12 37 7.8	....
44	β Ophiuchi	8	39 14.59	− 0.05	− **5.39**	325 38 11.60	43.492	+ 2.28	− 39.6	17 39 9.18	.....	+ 4 35 57.6	....
45	μ Herculis	8	43 8.02	− 0.14	− **5.38**	348 48 14.25	42.232	+ 2.28	− 11.4	17 43 2.51	.....	+27 45 59.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 16 33	......	....	59.0
16 54	29.876	59.5	58.6
17 13	......	....	58.0
17 32	29.876	58.2	57.1
18 40	......	....	56.0
19 3	29.854	56.6	55.3
3 2 43	29.926	68.2	66.4
9 22	29.856	66.0	64.9
10 2	......	....	63.0
10 20	......	....	62.0
10 30	29.860	64.0	61.8
11 45	......	....	60.0
12 3	......	....	58.9
12 17	29.870	60.0	58.0
16 14	29.843	53.9	52.7
16 32	29.842	53.8	53.1
17 16	29.838	53.7	53.0
17 39	29.839	53.1	52.7
4 2 47	29.900	69.2	68.0
9 25	29.852	65.9	64.7
10 22	29.862	63.8	62.2
10 35	......	....	61.2
10 55	29.883	61.9	60.3
11 10	29.884	60.9	59.1
16 47	[illegible]	51.6	49.1
17 14	......	....	49.0
17 46	......	....	48.2

Micrometer bisections are made at II, VI, except as noted below.

2, 23, 39. Bisections at I, II, VI, VII.
2, 23, 39. Z. D. threads A used.
9. Bisections at 9.0ʳ, 11.0ʳ.
10, 29. Bisections at I, II.
11, 30. Bisections at VI, VII.
12. Bisections at III, V.
13. Bisections at II, VI, VII.
25. Bisections at II, III, V, VI.
31. Bisections at b_4, b_6.

Notes.

2, 3. Clouds.
20. Haze.
21, 22. Degrees and minutes of circle reading assumed.
23–25. Conditions poor.
25. Micrometer reading increased 1 rev.
34, 35. Windy.
36. Degrees of circle reading assumed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 1.7	.. ....	...	+ 1.7
10	+ 3.4	−15 52.9	...	−15 49.5
11	+ 3.4	+15 52.8	...	+15 56.2
23	+ 1.7	.. ....	...	+ 1.7
25	+50 39.3	+15 2.7	...	+65 42.0
29	+ 3.4	+15 52.1	...	+15 55.5
30	+ 3.3	−15 52.0	...	−15 48.7
39	+ 1.7	.. ....	...	+ 1.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II, S.	7	0 16.42	+ 0.01	− 5.37	291 38 10.58	46.735	+ 2.28	−2 24.7	18 0 11.04	−70.50	−29 24 33.9	....
2	η Serpentis	7	16 52.32	− 0.04	− 5.36	318 6 14.22	45.220	+ 2.28	− 51.9	18 16 46.91	.....	− 2 55 32.9	....
	May 8, M.												
3	Jupiter I, C.	3	48 3.75	+ 0.05	− 7.34	299 24 6.65	47.000	+ 2.55	−1 39.5	16 47 56.46	+ 1.54	−21 36 4.7	....
4	Jupiter II	3	48 6.83	+ 0.05	− 7.34	... .	......	....	. ....	16 47 59.54	− 1.54	.. ..	....
5	α Ophiuchi	8	31 0.11	− 0.05	− 7.34	333 38 6.50	46.292	+ 2.48	− 27.9	17 30 52.71	.....	+12 37 8.5	....
6	β Ophiuchi	8	39 16.62	− 0.02	− 7.35	325 38 6.20	43.690	+ 2.46	− 38.5	17 39 9.24	.....	+ 4 35 58.0	....
7	μ Herculis	7	43 10.11	− 0.13	− 7.38	348 48 5.05	42.655	+ 2.44	− 11.1	17 43 2.62	.....	+27 45 59.9	....
8	72 Ophiuchi	7	3 19.69	− 0.04	− 7.34	330 34 7.50	45.515	+ 2.38	− 31.8	18 3 12.28	.....	+ 9 32 47.1	....
9	η Serpentis	8	16 54.45	0.00	− 7.43	318 6 7.40	45.455	+ 2.34	− 50.5	18 16 47.08	.....	− 2 55 32.9	....
10	109 Herculis	8	20 5.85	− 0.10	− 7.34	342 4	......	....	. ....	18 19 58.38	.....	+21 43	....
	May 9, M.												
11	Sun I, S.	8	3 53.04	− 0.03	− 7.53	338 7 57.55	47.625	+ 2.70	− 21.8	3 3 45.48	+66.68	+17 7 36.6	....
12	Sun II, N.	8	6 6.39	− 0.03	− 7.53	338 39 57.55	46.738	+ 2.70	− 21.3	3 5 58.83	−66.67	+17 39 15.8	....
13	ρ Leonis	8	28 19.56	0.00	− 7.67	330 45 59.02	47.880	+ 2.56	− 31.4	10 28 11.89	.....	+ 9 45 33.0	....
14	l Leonis	7	44 46.88	0.00	− 7.64	332 2 6.35	45.100	+ 2.56	− 29.9	10 44 39.21	.....	+11 0 38.4	....
15	χ Leonis	8	0 37.72	+ 0.01	− 7.72	328 50 3.28	45.455	+ 2.56	− 34.1	11 0 30.05	.....	+ 7 48 39.1	....
16	δ Leonis	8	9 35.11	− 0.05	− 7.69	342 2 4.65	43.905	+ 2.56	− 18.3	11 9 27.38	.....	+21 0 21.3	....
17	δ Crateris	8	15 5.21	+ 0.08	− 7.74	306 44 4.85	44.650	+ 2.56	−1 15.5	11 14 57.61	.....	−14 18 18.9	....
18	υ Leonis	8	32 35.66	− 0.04	− 7.67	320 42 5.20	43.112	+ 2.56	− 46.2	11 32 27.93	.....	− 0 20 24.3	....
	May 9, P.												
19	110 Herculis	8	42 1.92	− 0.06	− 7.93	341 28 10.05	46.468	+ 1.58	− 19.2	18 41 53.96	.....	+20 27 24.2	....
20	ε Aquilæ	8	55 47.02	− 0.05	− 7.85	335 58 11.12	44.672	+ 1.58	− 25.6	18 55 39.06	.....	+14 56 37.5	....
21	ζ Aquilæ	8	1 31.25	− 0.04	− 7.89	334 46 11.35	42.205	+ 1.58	− 27.1	19 1 23.30	.....	+13 43 39.8	....
22	δ Aquilæ	8	21 13.01	− 0.01	− 7.92	323 58 9.22	44.130	+ 1.58	− 41.6	19 21 5.08	.....	+ 2 56 7.5	....
23	β Cygni	8	27 19.52	− 0.10	− 7.89	348 48 12.25	42.795	+ 1.58	− 11.3	19 27 11.50	.....	+27 46 9.2	....
24	γ Aquilæ	8	42 13.73	− 0.03	− 7.93	331 26 13.12	42.350	+ 1.58	− 31.2	19 42 5.78	.....	+10 23 40.0	....
25	Moon II, N.	8	21 28.65	+ 0.04	− 7.98	305 54 11.42	46.511	+ 1.58	−1 18.0	22 21 20.71	−63.88	−15 7 33.3	....
26	Mercury II, C.	8	33 22.02	− 0.03	− 8.05	327 22 10.52	46.120	+ 1.75	− 35.7	1 33 13.94	− 0.29	+ 6 20 59.8	....
	May 10, P.												
27	Sun I, S.	8	7 47.51	− 0.01	− 8.08	338 24 7.58	46.708	+ 1.79	− 21.9	3 7 39.42	+66.72	+17 23 24.2	....
28	Sun II, N.	8	10 0.94	− 0.01	− 8.08	338 56 5.02	45.968	+ 1.79	− 21.3	3 9 52.85	−66.71	+17 55 4.7	....
29	1 H. Draconis	8	24 52.78	− 2.03	− 8.22	42 44 6.35	43.425	+ 1.71	+ 50.9	9 24 42.53	.....	+81 43 21.1	....
30	o Leonis	8	36 36.36	+ 0.03	[− 8.20]	331 18 8.32	47.540	+ 1.71	− 30.1	9 36 28.17	.....	+10 17 35.2	....
31	o Virginis	7	0 53.47	0.00	− 8.25	330 14 13.35	46.342	+ 1.71	− 31.8	12 0 45.20	.....	+ 9 13 11.4	....
32	δ Corvi	8	25 28.21	+ 0.07	− 8.24	305 0 15.38	45.840	+ 1.71	−1 19.6	12 25 20.00	.....	−16 1 46.2	....
33	δ Virginis	8	51 20.18	+ 0.02	− 8.25	324 54 12.80	44.525	+ 1.71	− 39.3	12 51 11.91	.....	+ 3 52 21.8	....
34	ε Virginis	8	57 57.92	− 0.01	− 8.28	332 26 14.08	47.755	+ 1.71	− 29.2	12 57 49.62	.....	+11 25 46.8	....
35	43 Comæ Berenices	8	7 56.58	− 0.09	− 8.27	349 20 15.12	45.802	+ 1.71	− 10.5	13 7 48.19	.....	+28 19 21.6	....
36	α Virginis	8	20 43.32	+ 0.06	− 8.31	310 20 16.90	43.602	+ 1.71	−1 6.0	13 20 35.08	.....	−10 42 21.9	....
	May 10, Ep.												
37	72 Ophiuchi	8	3 20.88	− 0.03	− 8.50	330 34 9.68	45.428	+ 2.41	− 32.0	18 3 12.34	.....	+ 9 32 47.1	....
38	η Serpentis	8	16 55.63	0.00	− 8.55	318 6 11.35	45.315	+ 2.41	− 51.0	18 16 47.11	.....	− 2 55 32.6	....
39	109 Herculis	8	20 7.10	− 0.08	− 8.56	342 44 9.45	46.570	+ 2.41	− 17.6	18 19 58.50	.....	+21 43 27.7	....
40	δ Aquilæ	8	21 13.65	− 0.01	− 8.53	323 58 13.38	43.918	+ 2.41	− 41.4	19 21 5.10	.....	+ 2 56 7.8	....
41	β Cygni	8	27 20.25	− 0.10	− 8.59	348 48 14.05	42.705	+ 2.41	− 11.3	19 27 11.61	.....	+27 46 9.8	....
42	γ Aquilæ	8	42 14.41	− 0.03	− 8.58	331 26 14.95	42.230	+ 2.41	− 31.0	19 42 5.83	.....	+10 23 40.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 18 1	29.838	50.2	48.1
18 19	29.838	50.0	48.0
8 16 47	29.404	56.2	54.3
17 31	......	....	54.3
18 3	......	....	54.1
18 20	29.404	55.5	54.1
9 3 6	29.430	70.2	71.0
10 28	29.574	59.5	57.8
11 1	......	....	56.8
11 33	29.574	57.7	55.8
18 38	29.626	51.0	50.0
19 4	......	....	49.0
19 19	......	....	50.0
19 30	......	....	49.6
19 44	29.650	50.0	49.1
21 22	29.730	57.0	57.2
1 35	29.774	66.2	65.0
10 3 10	29.760	68.8	68.6
9 27	29.740	71.9	72.2
9 38	......	....	72.0
11 58	29.762	66.2	66.0
12 28	......	....	64.0
12 49	29.760	64.3	64.0
13 11	......	....	63.0
13 22	29.770	63.0	62.1
18 3	29.768	57.9	56.1
18 19	29.768	57.7	55.8
19 21	29.753	56.8	55.0

Micrometer bisections are made at II, VI, except as noted below.

1, 25. Bisections at II, III, V, VI.
3, 26. Bisections at I, II, VI, VII.
3. Z. D. threads A used.
11, 27. Bisections at I, II.
12, 28. Bisections at VI, VII.
29. Bisections at b_4, b_6.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+50 41.3	+14 55.6	...	+65 36.9
3	+ 1.7	.. ....	...	+ 1.7
11	+ 3.2	+15 49.6	...	+15 52.8
12	+ 3.1	−15 49.5	...	−15 46.4
25	+44 12.5	−14 57.9	...	+29 14.6
26	+ 6.0	.. ....	− 1.0	+ 5.0
27	+ 3.2	+15 50.2	...	+15 53.4
28	+ 3.1	−15 50.2	...	−15 47.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II	8	7 45.01	0.00	− 8.62	311 12	......	....	. ....	23 7 36.39	−63.19	.. ..	....
2	Mercury II, C	8	36 36.82	+ 0.03	− 8.67	327 38 9.12	45.759	+ 2.11	− 34.8	1 36 28.18	− 0.28	+ 6 36 51.8	....
	May 11, Ep.												
3	Sun I, N	8	11 42.52	− 0.01	− 8.71	339 12 8.75	44.475	+ 2.55	− 20.7	3 11 33.80	+66.70	+18 10 35.7	....
4	Sun II, S	8	13 55.92	− 0.01	− 8.71	338 40 9.82	45.368	+ 2.55	− 21.3	3 13 47.20	−66.70	+17 38 56.7	....
	May 13, P.												
5	β¹ Scorpii	8	0 31.01	− 0.03	− 9.80	301 28 10.00	45.708	+ 2.85	−1 34.7	16 0 21.11	.....	−19 34 7.7	....
6	δ Ophiuchi	7	9 55.90	− 0.06	− 9.83	317 34 11.60	43.332	+ 2.85	− 53.2	16 9 45.96	.....	− 3 28 19.5	....
7	ε Ophiuchi	8	13 51.83	− 0.06	− 9.90	316 32 11.00	47.062	+ 2.85	− 55.1	16 13 41.89	.....	− 4 28 56.7	....
8	α Scorpii	7	24 12.76	− 0.02	− 9.88	294 48 10.55	46.258	+ 2.85	−2 5.1	16 24 2.86	.....	−26 14 25.7	....
9	β Herculis	8	26 38.36	− 0.14	− 9.94	342 42 12.75	44.172	+ 2.85	− 18.1	16 26 28.34	.....	+21 40 36.2	....
10	Jupiter I, C	4	45 47.90	− 0.03	− 9.89	299 30 13.28	41.075	+ 2.85	−1 42.5	16 45 37.98	+ 1.66	−21 32 15.6	....
11	Jupiter II	4	45 51.23	− 0.03	− 9.89	... .	......	....	. ....	16 45 41.31	− 1.67	.. ..	....
12	α Ophiuchi	8	31 2.89	− 0.10	− 9.96	333 38 11.42	46.110	+ 2.85	− 28.8	17 30 52.88	.....	+12 37 8.8	....
13	β Ophiuchi	8	39 19.34	− 0.08	− 9.90	325 38 12.20	43.472	+ 2.85	− 39.7	17 39 9.35	.....	+ 4 35 58.2	....
14	Mercury II, C	8	47 29.96	− 0.03	−10.10	328 36 11.35	45.785	+ 1.95	− 34.3	1 47 19.83	− 0.26	+ 7 34 53.7	....
	May 14, P.												
15	Sun I, N	8	23 30.66	− 0.07	−10.13	339 56 5.68	46.650	+ 1.60	− 20.4	3 23 20.46	+67.06	+18 55 22.4	....
16	Sun II, S	8	25 44.78	− 0.07	−10.13	339 24 1.92	47.805	+ 1.60	− 21.0	3 25 34.58	−67.06	+18 23 43.4	....
	May 16, P.												
17	α Serpentis	7	40 9.40	0.00	−11.36	327 44	......	....	. ....	15 39 57.98	.....	+ 6 42	....
18	β Serpentis	6	42 21.09	− 0.04	−11.37	336 42	......	....	. ....	15 42 9.63	.....	+15 42	....
19	ε Serpentis	8	46 39.31	0.00	−11.48	325 46	......	....	. ....	15 46 27.88	.....	+ 4 44	....
20	ε Ophiuchi	8	13 53.35	+ 0.02	−11.44	316 32	......	....	. ....	16 13 41.93	.....	− 4 29	....
21	α Scorpii	8	24 14.24	+ 0.07	−11.44	294 48	......	....	. ....	16 24 2.87	.....	−26 14	....
22	ζ Ophiuchi	8	32 32.21	+ 0.04	−11.44	310 38	......	....	. ....	16 32 20.81	.....	−10 24	....
23	η Ophiuchi	8	5 33.36	+ 0.05	−11.47	305 26	......	....	. ....	17 5 21.96	.....	−15 37	....
24	α Herculis	8	10 51.59	− 0.03	−11.50	335 30	......	....	. ....	17 10 40.10	.....	+14 29	....
	May 17, Ep.												
25	Jupiter I, C	4	43 51.90	+ 0.01	−12.12	299 32 6.62	44.922	+ 2.12	−1 41.2	16 43 39.79	+ 1.63	−21 28 53.8	....
26	Jupiter II	4	43 55.17	+ 0.01	−12.12	... .	......	....	. ....	16 43 43.06	− 1.64	.. ..	....
27	72 Ophiuchi	8	3 24.73	− 0.05	−12.16	330 34	......	....	. ....	18 3 12.53	.....	+ 9 33	....
28	η Serpentis	8	16 59.42	− 0.02	−12.15	318 6 2.82	45.760	+ 1.99	− 51.7	18 16 47.25	.....	− 2 55 32.0	....
29	λ Sagittarii	8	22 46.71	+ 0.01	−12.15	295 34 2.58	46.585	+ 1.98	−1 59.9	18 22 34.57	.....	−25 28 22.0	....
30	110 Herculis	8	42 6.39	− 0.08	−12.17	341 28 2.12	46.860	+ 1.93	− 19.3	18 41 54.15	.....	+20 27 25.5	....
31	ε Aquilæ	8	55 51.58	− 0.06	−12.18	335 58 2.62	45.105	+ 1.90	− 25.7	18 55 39.35	.....	+14 56 39.1	....
32	ζ Aquilæ	8	1 35.76	− 0.06	−12.16	334 46 2.00	42.685	+ 1.88	− 27.2	19 1 23.53	.....	+13 43 41.6	....
33	δ Aquilæ	8	21 17.48	− 0.03	−12.15	323 58 2.70	44.458	+ 1.82	− 42.0	19 21 5.27	.....	+ 2 56 8.3	....
34	1 H. Draconis S. P.	6	24 51.19	+ 2.19	−12.22	59 16 7.75	44.842	+ 1.51	+1 37.7	9 24 41.16	.....	+81 43 19.3	....
35	Mercury II, C	8	4 30.72	0.00	−12.30	330 13 57.20	47.614	+ 1.66	− 32.1	2 4 18.42	− 0.25	+ 9 13 23.9	....
	May 18, Ep.												
36	Sun I, S	8	39 23.21	− 0.03	−12.33	340 20 8.15	45.448	+ 1.57	− 20.0	3 39 10.85	+67.30	+19 18 57.9	....
37	Sun II, N	8	41 37.81	− 0.03	−12.33	340 52 10.10	44.395	+ 1.57	− 19.4	3 41 25.45	−67.30	+19 50 36.2	....
38	δ Crateris	8	15 9.92	+ 0.02	−12.48	306 44 9.10	44.448	+ 2.64	−1 15.1	11 14 57.48	.....	−14 18 18.8	....
39	υ Leonis	8	32 40.38	− 0.01	−12.49	320 42 8.90	42.958	+ 2.64	− 46.1	11 32 27.90	.....	− 0 20 24.0	....
40	β Leonis	8	44 48.38	− 0.06	−12.45	336 6 8.50	42.540	+ 2.64	− 25.0	11 44 35.84	.....	+15 3 47.3	....
41	ο Virginis	8	0 57.67	− 0.04	−12.46	330 14 10.50	46.498	+ 2.64	− 32.2	12 0 45.15	.....	+ 9 13 12.6	....
42	η Virginis	8	15 38.24	− 0.01	−12.50	320 50 10.40	47.035	+ 2.64	− 45.9	12 15 25.74	.....	− 0 10 48.9	....
43	δ Corvi	8	25 32.46	+ 0.03	−12.49	305 0 10.55	46.090	+ 2.64	−1 20.5	12 25 20.00	.....	−16 1 45.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 19 43	29.763	56.7	54.4
23 8	......	....	62.1
1 37	29.806	72.2	72.8
11 3 14	29.790	76.0	76.0
13 15 58	29.924	49.8	47.2
16 20	......	....	47.1
16 30	......	....	47.1
16 49	29.930	49.0	47.0
17 41	29.936	48.5	47.8
1 49	29.958	64.5	64.0
14 3 26	29.950	65.7	66.3
17 16 44	29.893	52.1	51.3
18 17	29.902	51.2	50.9
18 42	29.908	51.2	50.7
19 2	......	....	50.2
19 21	29.922	50.9	50.6
21 25	29.972	50.2	49.8
2 5	30.048	66.7	66.0
18 3 42	30.028	65.5	68.0
11 15	29.962	65.9	64.9
11 32	......	....	63.6
11 45	29.958	64.5	63.1
12 10	......	....	62.3
12 26	29.962	63.3	62.0

Micrometer bisections are made at II, VI, except as noted below.

2, 10, 14, 25, 35.	Bisections at I, II, VI, VII.
3.	Bisections at II, III.
4.	Bisections at V, VI.
10, 25.	Z. D. threads A used.
15, 36.	Bisections at I, II.
16, 37.	Bisections at VI, VII.
34.	Bisections at b_4, b_6.

Notes.

18, 27. Clouds.
25, 26. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+ 5.8	.. ....	− 1.0	+ 4.8
3	+ 3.0	−15 49.5	...	−15 46.5
4	+ 3.1	+15 49.4	...	+15 52.5
10	+ 1.7	.. ....	...	+ 1.7
14	+ 5.4	.. ....	− 0.8	+ 4.6
15	+ 2.9	−15 49.5	...	−15 46.6
16	+ 3.0	+15 49.4	...	+15 52.4
25	+ 1.7	.. ....	...	+ 1.7
35	+ 4.7	.. ....	− 0.7	+ 4.0
36	+ 2.9	+15 49.1	...	+15 52.0
37	+ 2.8	−15 49.1	...	−15 46.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	May 19, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Aquilæ	8	55 52.44	− 0.02	−13.03	335 58 12.82	44.588	+ 3.56	− 25.1	18 55 39.43	.....	+14 56 39.8	....
2	ζ Aquilæ	8	1 36.59	− 0.02	−12.98	334 46 12.68	42.105	+ 3.56	− 26.5	19 1 23.57	.....	+13 43 41.4	....
3	δ Aquilæ	8	21 18.30	+ 0.01	−12.95	323 58 13.12	43.890	+ 3.56	− 40.9	19 21 5.31	.....	+ 2 56 8.6	....
4	β Cygni	8	27 24.90	− 0.07	−13.01	348 48 13.60	42.715	+ 3.56	− 11.1	19 27 11.83	.....	+27 46 11.0	....
5	γ Aquilæ	8	42 19.07	− 0.01	−13.00	331 26 15.08	42.220	+ 3.56	− 30.7	19 42 6.05	.....	+10 23 41.5	....
6	α Aquilæ	8	46 43.96	0.00	−13.05	329 40 14.00	42.992	+ 3.56	− 33.0	19 46 30.95	.....	+ 8 37 56.2	....
7	1 H. Draconis s. p.	8	24 52.22	+ 2.01	−13.05	59 16 17.78	44.402	+ 3.56	+1 35.3	9 24 41.18	.....	+81 43 19.5	....
8	Mercury II, C	8	14 2.68	− 0.02	−13.14	331 12 7.72	44.150	+ 3.73	− 30.1	2 13 49.52	− 0.24	+10 10 19.1	....
	May 20, M.												
9	Sun I, S	8	47 22.68	− 0.06	−13.17	340 46 5.00	44.660	+ 3.81	− 19.0	3 47 9.45	+67.52	+19 44 40.2	....
10	Sun II, N	8	49 37.72	− 0.06	−13.17	341 18 5.68	43.615	+ 3.81	− 18.4	3 49 24.49	−67.52	+20 16 17.4	....
11	Moon I	7	42 44.91	− 0.12	−13.24	347 22	......	....	. ....	7 42 31.55	+76.55	.. ..	....
12	υ Leonis	8	32 41.19	− 0.01	−13.32	320 42 7.40	42.878	+ 4.87	− 44.9	11 32 27.86	.....	− 0 20 23.8	....
13	β Leonis	8	44 49.20	− 0.06	−13.29	336 6 6.55	42.485	+ 4.87	− 24.3	11 44 35.82	.....	+15 3 47.0	....
14	ο Virginis	8	0 58.46	− 0.04	−13.27	330 14 7.28	46.490	+ 4.87	− 31.4	12 0 45.09	.....	+ 9 13 12.3	....
15	η Virginis	8	15 39.01	− 0.01	−13.29	320 50 8.15	46.970	+ 4.87	− 44.8	12 15 25.67	.....	− 0 10 49.3	....
16	δ Corvi	8	25 33.28	+ 0.03	−13.33	305 0 10.42	45.870	+ 4.87	−1 18.4	12 25 19.97	.....	−16 1 46.1	....
	May 20, P.												
17	β Cygni	7	27 25.52	− 0.08	−13.59	348 48 11.58	42.760	+ 5.38	− 11.1	19 27 11.89	.....	+27 46 11.8	....
18	γ Aquilæ	8	42 19.64	− 0.02	−13.53	331 26 10.80	42.340	+ 5.38	− 30.6	19 42 6.06	.....	+10 23 41.9	....
19	α Aquilæ	8	46 44.52	− 0.01	−13.57	329 40 10.10	43.100	+ 5.38	− 32.9	19 46 30.95	.....	+ 8 37 56.7	....
20	β Aquilæ	8	51 14.54	− 0.01	−13.57	327 12 12.60	45.940	+ 5.38	− 36.2	19 51 0.97	.....	+ 6 11 1.1	....
21	γ Sagittæ	8	55 5.67	− 0.04	−13.63	340 16 10.32	45.108	+ 5.38	− 20.2	19 54 52.07	.....	+19 14 55.7	....
22	θ Aquilæ	8	7 1.00	+ 0.01	−13.60	319 56 11.98	46.135	+ 5.38	− 47.3	20 6 47.44	.....	− 1 5 6.6	....
23	Mercury II, C	8	19 4.23	− 0.04	−13.70	331 42 10.15	44.221	+ 5.01	− 29.5	2 18 50.49	− 0.23	+10 40 24.8	....
	May 21, P.												
24	Sun I, S	8	51 23.41	− 0.07	−13.73	340 58 3.52	45.465	+ 4.79	− 18.7	3 51 9.61	+67.62	+19 56 58.7	....
25	Sun II, N	8	53 38.65	− 0.07	−13.73	341 30 5.55	44.402	+ 4.79	− 18.2	3 53 24.85	−67.62	+20 28 36.1	....
26	Moon I, N	7	47 15.75	− 0.06	−13.84	344 0 8.45	43.404	+ 5.13	− 15.6	8 47 1.85	+73.78	+22 58 18.4	....
27	υ Leonis	8	32 41.71	0.00	−13.86	320 42 15.52	42.468	+ 5.59	− 44.9	11 32 27.81	.....	− 0 20 24.4	....
28	β Leonis	8	44 49.75	− 0.05	−13.86	336 6 9.92	42.280	+ 5.62	− 24.3	11 44 35.80	.....	+15 3 46.5	....
29	β Virginis	8	46 21.99	− 0.01	−13.91	323 16 13.72	47.398	+ 5.64	− 41.0	11 46 8.08	.....	+ 2 15 30.7	....
30	ο Virginis	8	0 59.06	− 0.03	−13.89	330 14 10.15	46.338	+ 5.68	− 31.4	12 0 45.12	.....	+ 9 13 12.5	....
31	η Virginis	8	15 39.58	0.00	−13.88	320 50 11.52	46.775	+ 5.71	− 44.8	12 15 25.67	.....	− 0 10 49.5	....
32	δ Corvi	8	25 33.86	+ 0.04	−13.92	305 0 17.68	45.520	+ 5.75	−1 18.5	12 25 19.98	.....	−16 1 46.1	....
	May 21, Ep.												
33	β Cygni	8	27 26.16	− 0.12	−14.16	348 48 9.68	42.832	+ 5.54	− 11.1	19 27 11.86	.....	+27 46 11.7	....
34	γ Aquilæ	8	42 20.38	− 0.06	−14.20	331 26 11.65	42.335	+ 5.54	− 30.6	19 42 6.14	.....	+10 23 42.8	....
35	α Aquilæ	8	46 45.26	− 0.05	−14.24	329 40 10.95	43.065	+ 5.54	− 32.9	19 46 31.03	.....	+ 8 37 56.9	....
36	β Aquilæ	8	51 15.24	− 0.04	−14.21	327 12 9.78	46.035	+ 5.54	− 36.3	19 51 1.01	.....	+ 6 11 0.5	....
37	γ Sagittæ	8	55 6.33	− 0.09	−14.21	340 16 9.40	45.162	+ 5.54	− 20.2	19 54 52.05	.....	+19 14 56.1	....
38	θ Aquilæ	8	7 1.67	− 0.02	−14.21	319 56 10.58	46.222	+ 5.54	− 47.3	20 6 47.46	.....	− 1 5 5.8	....
39	1 H. Draconis s. p.	8	24 52.88	+ 2.13	−14.22	59 16 11.80	44.612	+ 5.54	+1 35.0	9 24 40.79	.....	+81 43 19.0	....
	May 22, Ep.												
40	Sun I, S	8	55 24.49	− 0.09	−14.38	341 10 4.15	45.348	+ 5.12	− 18.6	3 55 10.02	+67.65	+20 8 56.6	....
41	Sun II, N	8	57 39.79	− 0.09	−14.38	341 42 8.82	44.140	+ 5.12	− 18.0	3 57 25.32	−67.65	+20 40 33.7	....
42	1 H. Draconis	8	24 56.99	− 1.79	−14.51	42 44 1.05	43.485	+ 5.12	+ 50.5	9 24 40.69	.....	+81 43 20.2	....
43	Moon I, N	8	46 49.54	− 0.06	−14.52	338 54 1.68	44.039	+ 5.12	− 21.1	9 46 34.96	+70.65	+17 52 21.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 18 56	29.977	64.6	64.0
19 21	......	....	63.9
19 47	29.968	63.4	62.8
21 25	30.000	62.8	62.3
2 14	30.062	76.8	78.7
20 3 50	30.036	81.0	81.7
11 33	29.938	77.7	76.5
12 1	......	....	75.2
12 26	29.934	75.8	74.3
19 25	29.910	66.0	64.0
19 49	......	....	63.1
20 9	29.914	65.2	62.9
2 19	29.964	78.5	78.0
21 3 54	29.949	80.0	81.0
8 47	29.887	81.0	80.6
11 30	29.874	76.5	75.0
11 51	......	....	74.2
12 19	......	....	73.0
12 27	29.886	74.3	73.0
19 27	29.866	63.9	62.4
19 55	29.858	63.4	61.7
21 25	29.874	63.1	61.7
[illegible] 3 58	29.962	80.2	79.0
9 25	[illegible]	80.3	79.7
9 47	29.930	79.4	77.7

Micrometer bisections are made at II, VI, except as noted below.

7, 39, 42.	Bisections at b_4, b_6.
8, 23.	Bisections at I, II, VI, VII.
9, 24, 40.	Bisections at I, II.
10, 25, 41.	Bisections at VI, VII.
16.	Bisection at VI.
26, 43.	Bisections at II, III, V, VI.

Note.

32. Hazy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 4.4	.. ....	− 0.6	+ 3.8
9	+ 2.8	+15 48.6	...	+15 51.4
10	+ 2.7	−15 48.5	...	−15 45.8
23	+ 4.3	.. ....	− 0.6	+ 3.7
24	+ 2.8	+15 48.7	...	+15 51.5
25	+ 2.7	−15 48.6	...	−15 45.9
26	+16 10.7	−16 16.8	...	− 6.1
40	+ 2.8	+15 48.5	...	+15 51.3
41	+ 2.7	−15 48.5	...	−15 45.8
43	+21 3.6	−16 9.8	...	+ 4 53.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ο Virginis	8	0 59.74	− 0.05	**−14.55**	330 14 8.02	46.510	+ 5.12	− 32.1	12 0 45.12	.....	+ 9 13 13.0	....
2	η Virginis	8	15 40.29	− 0.01	**−14.58**	320 50 7.72	47.050	+ 5.12	− 45.7	12 15 25.71	.....	− 0 10 48.5	....
3	δ Corvi	8	25 34.51	+ 0.02	**−14.56**	305 0 8.62	46.072	+ 5.12	−1 20.2	12 25 19.95	.....	−16 1 44.8	....
4	β Corvi	8	30 1.66	+ 0.04	−14.58	298 8 8.68	44.260	+ 5.12	−1 45.0	12 29 47.12	.....	−22 54 51.3	....
5	δ Virginis	8	51 26.52	− 0.03	**−14.59**	324 54 8.88	44.635	+ 5.12	− 39.7	12 51 11.90	.....	+ 3 52 23.4	....
6	ε Virginis	8	58 4.24	− 0.05	**−14.62**	332 26 9.08	47.905	+ 5.12	− 29.5	12 57 49.60	.....	+11 25 48.3	....
	May 23, M.												
7	Sun N	.	.. ..	....	.....	341 54 7.98	43.190	+ 4.26	− 18.3	4 0	.....	+20 52 10.2	....
8	Sun S	.	.. ..	....	.....	341 22 7.18	44.335	+ 4.26	− 18.9	.. ..	.....	+20 20 35.0	....
	May 23, P.												
9	Mercury II, C	8	35 9.72	− 0.08	−15.25	333 18 6.92	44.032	+ 4.19	− 27.4	2 34 54.39	− 0.22	+12 16 19.6	....
	May 24, P.												
10	Sun I, N	8	3 28.26	− 0.12	−15.29	342 4 4.35	46.655	+ 3.37	− 17.5	4 3 12.85	+67.83	+21 3 25.6	....
11	Sun II, S	8	5 43.93	− 0.12	−15.29	341 32 8.68	47.525	+ 3.37	− 18.1	4 5 28.52	−67.84	+20 31 49.2	....
12	Moon I, N	8	33 10.08	− 0.05	−15.42	326 18 11.20	44.185	+ 5.48	− 36.0	11 32 54.61	+66.06	+ 5 16 20.0	....
13	ο Virginis	8	1 0.56	− 0.06	**−15.38**	330 14 11.12	46.300	+ 5.48	− 30.9	12 0 45.07	.....	+ 9 13 12.9	....
14	η Virginis	8	15 41.11	− 0.03	**−15.40**	320 50 11.35	46.768	+ 5.48	− 44.1	12 15 25.65	.....	− 0 10 49.4	....
15	δ Corvi	8	25 35.33	+ 0.01	**−15.38**	305 0 13.38	45.675	+ 5.48	−1 17.2	12 25 19.91	.....	−16 1 45.8	....
16	δ Virginis	8	51 27.36	− 0.05	**−15.42**	324 54 12.32	44.375	+ 5.48	− 38.1	12 51 11.87	.....	+ 3 52 22.9	....
17	ε Virginis	8	58 5.09	− 0.07	**−15.46**	332 26 11.00	47.750	+ 5.48	− 28.3	12 57 49.57	.....	+11 25 48.3	....
18	θ Virginis	8	5 40.64	− 0.02	**−15.40**	315 58 12.08	43.045	+ 5.48	− 52.4	13 5 25.17	.....	− 5 4 21.8	....
	May 24, Ep.												
19	γ Aquilæ	8	42 22.00	− 0.07	**−15.73**	331 26 15.25	42.158	+ 5.27	− 30.1	19 42 6.23	.....	+10 23 42.6	....
20	α Aquilæ	8	46 46.85	− 0.06	**−15.74**	329 40 16.02	42.828	+ 5.27	− 32.3	19 46 31.09	.....	+ 8 37 56.9	....
21	β Aquilæ	8	51 16.88	− 0.06	**−15.75**	327 12 14.28	45.838	+ 5.27	− 35.6	19 51 1.12	.....	+ 6 11 1.0	....
22	γ Sagittæ	8	55 7.93	− 0.11	**−15.71**	340 16 15.38	44.935	+ 5.27	− 19.8	19 54 52.11	.....	+19 14 57.0	....
23	θ Aquilæ	8	7 3.37	− 0.03	**−15.81**	319 56 15.78	45.970	+ 5.27	− 46.5	20 6 47.63	.....	− 1 5 5.8	....
24	α^2 Capricorni	8	13 27.84	0.00	**−15.69**	308 14 15.28	41.710	+ 5.27	−1 10.3	20 13 12.13	.....	−12 49 7.6	....
25	Mercury II, C	8	40 52.22	− 0.07	−15.87	333 52 11.42	42.688	+ 4.01	− 27.1	2 40 36.28	− 0.22	+12 49 53.1	....
	May 25, Ep.												
26	Sun I, N	8	7 30.91	− 0.10	−15.90	342 16 12.22	43.432	+ 3.68	− 17.6	4 7 14.91	+67.83	+21 14 20.3	....
27	Sun II, S	8	9 46.58	− 0.10	−15.90	341 44 8.65	44.722	+ 3.68	− 18.1	4 9 30.58	−67.84	+20 42 45.3	....
28	Moon I, N	8	22 30.71	− 0.06	−16.09	319 36 11.80	46.675	+ 3.88	− 47.5	12 22 14.56	+65.08	− 1 24 56.1	....
29	δ Virginis	8	51 28.06	− 0.08	**−16.10**	324 54 12.50	44.500	+ 3.88	− 39.3	12 51 11.88	.....	+ 3 52 23.1	....
30	ε Virginis	8	58 5.77	− 0.10	**−16.11**	332 26 15.32	47.680	+ 3.88	− 29.2	12 57 49.56	.....	+11 25 48.5	....
31	θ Virginis	8	5 41.37	− 0.06	**−16.10**	315 58 12.65	43.165	+ 3.88	− 54.0	13 5 25.20	.....	− 5 4 21.7	....
32	43 Comæ Berenices	8	8 4.39	− 0.17	**−16.11**	349 20 14.12	45.858	+ 3.88	− 10.5	13 7 48.11	.....	+28 19 24.1	....
33	α Virginis	8	20 51.20	− 0.04	**−16.12**	310 20 13.72	43.652	+ 3.88	−1 5.9	13 20 35.05	.....	−10 42 21.7	....
34	ζ Virginis	8	30 30.48	− 0.07	**−16.12**	320 52 13.32	46.458	+ 3.88	− 45.5	13 30 14.29	.....	− 0 8 57.5	....
	May 26, P.												
35	ε Virginis	8	58 6.11	− 0.14	**−16.42**	332 26 12.90	47.842	+ 2.76	− 29.1	12 57 49.52	.....	+11 25 48.8	....
36	θ Virginis	8	5 41.69	− 0.10	**−16.38**	315 58 10.70	43.288	+ 2.76	− 54.0	13 5 25.14	.....	− 5 4 22.0	....
37	Moon I, N	8	11 10.36	− 0.09	−16.45	313 6 11.95	45.270	+ 2.76	− 59.7	13 10 53.82	+65.02	− 7 55 41.0	....
38	α Virginis	8	20 51.59	− 0.09	**−16.46**	310 20 15.20	43.658	+ 2.76	−1 5.8	13 20 35.04	.....	−10 42 21.1	....
39	ζ Virginis	8	30 30.82	− 0.11	**−16.42**	320 52 11.68	46.592	+ 2.76	− 45.5	13 30 14.25	.....	− 0 8 57.2	....
40	m Virginis	8	37 17.86	− 0.09	**−16.48**	312 46 12.52	45.028	+ 2.76	−1 0.5	13 37 1.31	.....	− 8 15 46.6	....
41	τ Boötis	8	43 23.50	− 0.16	−16.47	338 54 11.28	47.005	+ 2.76	− 21.6	13 43 6.87	.....	+17 53 35.5	....
	May 26, M.												
42	γ Aquilæ	8	42 22.89	− 0.12	**−16.51**	331 26 18.75	42.155	+ 2.36	− 31.1	19 42 6.24	.....	+10 23 42.1	....
43	α Aquilæ	8	46 47.78	− 0.11	**−16.56**	329 40 16.28	43.012	+ 2.36	− 33.4	19 46 31.14	.....	+ 8 37 57.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 12 1	29.946	68.7	65.0
12 16	......	....	64.2
12 30	29.945	66.7	62.9
12 59	29.947	64.9	61.2
23 4 0	29.990	68.2	66.1
2 35	29.766	76.1	76.0
24 4 6	29.760	78.9	79.3
11 36	29.676	80.2	79.9
12 0	......	....	78.9
12 28	29.682	78.4	78.2
12 50	......	....	78.0
13 7	29.684	77.1	78.0
19 42	29.742	70.0	69.6
20 13	29.751	68.8	68.2
2 41	[illegible]	74.1	72.4
25 4 10	29.872	76.1	74.0
12 23	29.848	67.3	66.1
12 51	29.856	66.9	65.5
13 8	29.860	66.3	65.3
13 31	[illegible]	65.9	64.6
26 12 55	[illegible]	67.5	66.7
13 14	......	....	66.2
13 34	......	....	66.0
13 45	29.924	66.0	65.9
19 42	29.864	57.5	55.7

Micrometer bisections are made at II, VI, except as noted below.

7, 10, 26. Bisections at I, II.
8, 11, 27. Bisections at VI, VII.
9, 25. Bisections at I, II, VI, VII.
12, 28, 37. Bisections at II, III, V, VI.
31. Bisection at II.

Notes.

1–6. Thick haze; fuzzy and poor.
25. Minutes of circle reading assumed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 2.7	−15 47.6	...	−15 44.9
8	+ 2.7	+15 47.6	...	+15 50.3
9	+ 3.9	.. ..	− 0.5	+ 3.4
10	+ 2.6	−15 48.2	...	−15 45.6
11	+ 2.7	+15 48.1	...	+15 50.8
12	+32 2.5	−15 53.1	...	+16 9.4
25	+ 3.7	.. ..	− 0.4	+ 3.3
26	+ 2.6	−15 47.5	...	−15 44.9
27	+ 2.7	+15 47.4	...	+15 50.1
28	+37 7.2	−15 44.1	...	+21 23.1
37	+41 28.8	−15 35.3	...	+25 53.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Aquilæ	8	51 17.80	− 0.10	**−16.57**	327 12 17.45	45.905	+ 2.36	− 36.7	19 51 1.17	.....	+ 6 11 1.7	....
2	γ Sagittæ	8	55 8.86	− 0.14	**−16.55**	340 16 16.68	45.025	+ 2.36	− 20.4	19 54 52.19	.....	+19 14 56.9	....
3	θ Aquilæ	8	7 4.27	− 0.09	**−16.60**	319 56 17.05	46.090	+ 2.36	− 48.0	20 6 47.64	.....	− 1 5 6.2	....
4	1 H. Draconis s. p.	8	24 55.17	+ 2.01	−16.57	59 16 19.80	44.342	+ 2.36	+1 36.2	9 24 40.61	.....	+81 43 19.3	....
	May 27, M.												
5	Sun I, N	8	15 37.36	− 0.13	−16.73	342 36 5.88	45.602	+ 2.40	− 17.2	4 15 20.50	+68.04	+21 35 2.8	....
6	Sun II, S	8	17 53.44	− 0.13	−16.73	342 4 6.82	46.725	+ 2.40	− 17.7	4 17 36.58	−68.04	+21 3 28.2	....
7	δ Virginis	8	51 28.91	− 0.13	**−16.91**	324 54 4.85	44.862	+ 3.35	− 38.9	12 51 11.85	.....	+ 3 52 23.6	....
[illegible]	ε Virginis	8	58 6.65	− 0.15	**−16.96**	332 26 3.25	48.245	+ 3.35	− 28.9	12 57 49.57	.....	+11 25 49.1	....
9	θ Virginis	8	5 42.23	− 0.11	**−16.92**	315 58 4.58	43.545	+ 3.35	− 53.6	13 5 25.18	.....	− 5 4 21.2	....
10	α Virginis	8	20 52.06	− 0.10	**−16.92**	310 20 5.28	44.030	+ 3.35	−1 5.3	13 20 35.02	.....	−10 42 21.4	....
11	ζ Virginis	8	30 31.38	− 0.12	**−16.97**	320 52 3.88	46.870	+ 3.35	− 45.1	13 30 14.31	.....	− 0 8 57.7	....
12	m Virginis	8	37 18.34	− 0.11	**−16.94**	312 46 6.60	45.265	+ 3.35	−1 0.0	13 37 1.28	.....	− 8 15 46.0	....
13	Moon I, N	8	0 24.31	− 0.10	−16.96	307 2 6.32	47.370	+ 3.49	−1 13.6	14 0 7.25	+65.74	−13 59 12.2	....
	May 27, P.												
14	α Aquilæ	8	46 48.41	− 0.11	**−17.16**	329 40 7.22	43.320	+ 3.92	− 32.9	19 46 31.15	.....	+ 8 37 57.4	....
15	β Aquilæ	8	51 18.41	− 0.11	**−17.14**	327 12 8.88	46.182	+ 3.92	− 36.2	19 51 1.15	.....	+ 6 11 1.5	....
16	γ Sagittæ	8	55 9.52	− 0.15	**−17.18**	340 16 9.65	45.262	+ 3.92	− 20.2	19 54 52.22	.....	+19 14 57.1	....
17	θ Aquilæ	8	7 4.88	− 0.09	**−17.18**	319 56 12.75	46.205	+ 3.92	− 47.3	20 6 47.64	.....	− 1 5 5.6	....
18	ε Delphini	8	29 19.27	− 0.12	**−17.14**	332 2 12.48	43.265	+ 3.92	− 29.9	20 29 1.99	.....	+11 0 4.0	....
19	α Delphini	8	35 51.72	− 0.13	**−17.14**	336 38 10.55	42.650	+ 3.92	− 24.3	20 35 34.43	.....	+15 35 54.1	....
20	1 H. Draconis s. p.	8	24 55.51	+ 2.01	−17.18	59 16 12.72	44.668	+ 3.92	+1 34.7	9 24 36.32	.....	+81 43 18.7	....
21	Mercury II, C	8	59 5.29	− 0.12	−17.29	335 36 3.32	43.958	+ 3.78	− 24.6	2 58 47.88	− 0.21	+14 34 16.3	....
	May 28, P.												
22	Sun I, S	8	19 41.51	− 0.14	−17.32	342 14 9.28	46.052	+ 3.25	− 17.3	4 19 24.05	+68.17	+21 13 16.9	....
23	Sun II, N	8	21 57.86	− 0.14	−17.32	342 46 7.38	44.975	+ 3.25	− 16.7	4 21 40.40	−68.18	+21 44 50.8	....
24	ε Boötis	8	41 28.98	− 0.51	**−17.54**	348 28 8.70	43.855	+ 5.66	− 11.1	14 41 10.95	.....	+27 26 34.2	....
25	α Libræ	8	46 20.43	− 0.35	**−17.53**	305 22 11.05	42.880	+ 5.66	−1 16.7	14 46 2.56	.....	−15 40 51.0	....
26	Moon I, N	8	51 12.21	− 0.36	−17.53	301 44 11.15	42.062	+ 5.66	−1 28.0	14 50 54.32	+66.99	−19 19 21.0	....
27	ψ Boötis	8	1 0.85	− 0.51	**−17.55**	348 18 9.25	45.695	+ 5.66	− 11.3	15 0 42.81	.....	+27 17 16.6	....
28	β Libræ	8	12 36.18	− 0.36	**−17.50**	311 58 10.38	45.045	+ 5.66	−1 0.6	15 12 18.29	.....	− 9 3 45.3	....
29	α Coronæ Borealis	8	31 18.05	− 0.51	**−17.51**	348 2 11.25	43.472	+ 5.66	− 11.6	15 31 0.00	.....	+27 0 27.5	....
30	α Serpentis	8	40 16.11	− 0.40	**−17.57**	327 44 16.42	42.788	+ 5.66	− 34.5	15 39 58.17	.....	+ 6 41 54.5	....
	May 30, P.												
31	α Scorpii	8	24 22.06	− 0.40	−18.64	294 48 10.52	45.922	+ 4.54	−2 1.8	16 24 3.02	.....	−26 14 28.4	....
32	β Herculis	8	26 47.64	− 0.49	**−18.67**	342 42 6.40	44.515	+ 4.54	− 17.6	16 26 28.51	.....	+21 40 40.0	....
33	ζ Ophiuchi	8	32 40.07	− 0.40	**−18.66**	310 38 11.50	45.775	+ 4.54	−1 5.9	16 32 21.02	.....	−10 23 34.1	....
34	Jupiter I, C	4	37 7.84	− 0.40	−18.65	299 44 15.52	44.120	+ 4.54	−1 38.8	16 36 48.79	+ 1.76	−21 16 58.4	....
35	Jupiter II	4	37 11.36	− 0.40	−18.65	... .	......	....	. ....	16 36 52.31	− 1.76	.. ..	....
36	Moon I, S	8	39 16.39	− 0.41	−18.65	293 43 58.50	45.845	+ 4.54	−2 8.1	16 38 57.33	+69.82	−27 18 48.6	....
37	Moon II	8	41 36.09	− 0.41	−18.65	... .	......	....	. ....	16 41 17.03	−69.88	.. ..	....
38	η Ophiuchi	8	5 41.28	− 0.40	**−18.69**	305 26 10.48	42.188	+ 4.54	−1 19.5	17 5 22.22	.....	−15 37 11.5	....
39	α Herculis	8	10 59.41	− 0.46	**−18.68**	335 30 14.40	45.952	+ 4.54	− 25.8	17 10 40.29	.....	+14 29 12.6	....
40	α Ophiuchi	8	31 12.22	− 0.45	**−18.63**	333 38 12.08	46.122	+ 4.54	− 28.1	17 30 53.10	.....	+12 37 12.2	....
41	β Ophiuchi	8	39 28.73	− 0.42	**−18.62**	325 38 12.05	43.475	+ 4.54	− 38.8	17 39 9.64	.....	+ 4 36 0.8	....
42	Mercury II, C	8	19 0.49	− 0.47	−18.88	337 24 13.02	42.880	+ 2.99	− 23.1	3 18 41.14	− 0.20	+16 22 1.8	....
	May 31, P.												
43	Sun I, N	8	51 56.52	− 0.48	−18.90	343 14 10.22	42.760	+ 3.02	− 16.7	4 31 37.14	+68.36	+22 12 2.5	....
44	Sun II, S	8	34 13.25	− 0.48	−18.90	342 42 10.62	43.878	+ 3.02	− 17.3	4 33 53.87	−68.37	+21 40 28.2	....
45	δ Corvi	8	25 39.31	− 0.39	**−19.02**	305 0 10.02	46.018	+ 3.01	−1 18.8	12 25 19.85	.....	−16 1 45.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 19 55	......	....	55.7
21 25	29.864	56.7	55.1
27 4 18	29.900	75.4	75.9
12 51	29.790	70.5	68.9
13 12	......	....	68.0
13 37	......	....	67.3
14 0	29.790	68.4	66.3
19 44	29.706	62.0	60.0
20 0	......	....	59.8
20 28	......	....	59.3
20 37	29.686	61.1	59.3
21 27	29.678	61.1	59.6
2 59	29.688	77.0	77.2
28 4 22	29.670	79.3	80.3
14 39	29.582	75.0	73.2
14 57	......	....	73.1
15 17	......	....	72.4
15 42	29.576	73.8	72.0
30 16 23	29.840	61.5	58.9
16 42	......	....	58.5
17 4	......	....	58.2
17 14	29.836	60.5	58.0
17 41	[illegible]	60.1	58.1
3 20	29.928	71.0	69.2
31 4 34	29.922	72.1	70.9
12 23	29.862	71.1	71.0

Micrometer bisections are made at II, VI, except as noted below.

4, 20. Bisections at b_4, b_6.
5, 22, 43. Bisections at I, II.
6, 23, 44. Bisections at VI, VII.
13, 26, 36. Bisections at II, III, V, VI.
21, 34, 42. Bisections at I, II, VI, VII.
34. Z. D. threads A used.

Note.

31–33. Fuzzy and unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 2.6	−15 47.3	...	−15 44.7
6	+ 2.6	+15 47.3	...	+15 49.9
13	+44 57.6	−15 26.7	...	+29 30.9
21	+ 3.3	.. ....	− 0.3	+ 3.0
22	+ 2.6	+15 46.9	...	+15 49.5
23	+ 2.5	−15 46.9	...	−15 44.4
26	+47 30.8	−15 18.3	...	+32 12.5
34	+ 1.7	.. ....	...	+ 1.7
36	+50 19.1	+15 3.0	...	+65 22.1
42	+ 2.9	.. ....	− 0.2	+ 2.7
43	+ 2.5	−15 47.2	...	−15 44.7
44	+ 2.5	+15 47.1	...	+15 49.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Virginis	8	51 31.32	− 0.42	**−19.05**	324 54 8.85	44.718	+ 3.01	− 38.9	12 51 11.82	.....	+ 3 52 24.0	....
2	ε Virginis	8	58 9.02	− 0.44	**−19.06**	332 26 9.30	47.998	+ 3.01	− 28.9	12 57 49.50	.....	+11 25 49.2	....
3	θ Virginis	8	5 44.61	− 0.40	**−19.03**	315 58 10.25	43.335	+ 3.01	− 53.6	13 5 25.12	.....	− 5 4 20.7	....
4	43 Comæ Berenices	8	8 7.66	− 0.53	**−19.07**	349 20 9.95	46.142	+ 3.01	− 10.4	13 7 48.04	.....	+28 19 25.6	....
5	α Virginis	8	20 54.48	− 0.39	**−19.06**	310 20 12.10	43.745	+ 3.01	−1 5.3	13 20 34.99	.....	−10 42 21.4	....
	May 31, Ep.												
6	α Scorpii	8	24 22.79	− 0.40	−19.27	294 48 11.78	45.925	+ 3.56	−2 0.9	16 24 3.12	.....	−26 14 27.1	....
7	ζ Ophiuchi	8	32 40.72	− 0.39	**−19.31**	310 38 11.10	45.800	+ 3.56	−1 5.4	16 32 21.06	.....	−10 23 34.5	....
8	Jupiter I, C	6	36 36.26	− 0.39	−19.27	299 44 12.70	46.801	+ 3.56	−1 37.9	16 36 16.60	+ 1.53	−21 16 0.0	....
9	Jupiter II	6	36 39.32	− 0.39	−19.27	... .	......	....	. ....	16 36 19.66	− 1.53	.. ..	....
10	κ Ophiuchi	8	53 52.11	− 0.43	**−19.31**	330 32 11.72	44.470	+ 3.56	− 31.8	16 53 32.40	.....	+ 9 30 29.0	....
11	η Ophiuchi	8	5 41.94	− 0.39	**−19.35**	305 26 13.00	42.098	+ 3.56	−1 18.9	17 5 22.27	.....	−15 37 11.4	....
12	α Herculis	8	11 0.06	− 0.45	**−19.32**	335 30 13.65	46.042	+ 3.56	− 25.6	17 10 40.32	.....	+14 29 13.2	....
13	α Ophiuchi	8	31 12.93	− 0.44	**−19.34**	333 38 13.22	46.122	+ 3.56	− 27.8	17 30 53.20	.....	+12 37 12.6	....
14	Moon II	8	38 14.24	− 0.41	−19.30	292 14	......	....	. ....	17 37 54.53	−70.34	.. ..	....
15	Mercury II, C	8	26 2.24	− 0.42	−19.50	338 0 11.45	43.345	+ 2.76	− 22.0	3 25 42.32	− 0.20	+16 58 11.8	....
	June 1, Ep.												
16	Sun I, N	8	36 2.48	− 0.44	−19.53	343 22 10.35	43.502	+ 2.82	− 16.2	4 35 42.51	+68.29	+22 20 19.9	....
17	Sun II, S	8	38 19.07	− 0.44	−19.53	342 50 10.50	44.698	+ 2.82	− 16.8	4 37 59.10	−68.30	+21 48 47.1	....
18	δ Virginis	8	51 31.92	− 0.39	**−19.69**	324 54 3.28	44.912	+ 3.52	− 38.4	12 51 11.82	.....	+ 3 52 23.9	....
19	ε Virginis	8	58 9.66	− 0.41	**−19.74**	332 26 5.22	48.125	+ 3.52	− 28.5	12 57 49.54	.....	+11 25 48.9	....
20	θ Virginis	8	5 45.22	− 0.37	**−19.68**	315 58 4.22	43.510	+ 3.52	− 52.8	13 5 25.14	.....	− 5 4 21.4	....
21	*m* Virginis	8	37 21.37	− 0.36	**−19.74**	312 46 4.48	45.300	+ 3.52	− 59.2	13 37 1.29	.....	− 8 15 46.4	....
22	τ Boötis	8	43 26.96	− 0.44	−19.72	338 54 5.82	47.220	+ 3.52	− 21.1	13 43 6.80	.....	+17 53 36.2	....
23	η Boötis	8	50 51.88	− 0.45	**−19.73**	339 52 5.85	43.478	+ 3.52	− 20.1	13 50 31.70	.....	+18 50 12.1	....
	June 1, P.												
24	η Serpentis	8	17 7.66	− 0.40	**−19.68**	318 6 10.55	45.290	+ 4.26	− 49.7	18 16 47.55	.....	− 2 55 30.7	....
25	109 Herculis	8	20 19.18	− 0.49	**−19.73**	342 44 9.25	46.688	+ 4.26	− 17.2	18 19 58.98	.....	+21 43 32.5	....
26	Moon II, S	8	35 5.77	− 0.40	−19.72	291 44 8.98	49.105	+ 4.26	−2 17.8	18 34 45.65	−70.06	−29 17 32.5	....
27	110 Herculis	8	42 14.71	− 0.48	**−19.75**	341 28 8.92	46.570	+ 4.26	− 18.6	18 41 54.51	.....	+20 27 28.7	....
28	ε Aquilæ	8	55 59.90	− 0.45	**−19.75**	335 58 10.28	44.760	+ 4.26	− 24.7	18 55 39.72	.....	+14 56 42.3	....
29	ζ Aquilæ	8	1 44.08	− 0.45	**−19.72**	334 46 10.30	42.295	+ 4.26	− 26.2	19 1 23.90	.....	+13 43 44.4	....
30	α Aquilæ	8	46 51.42	− 0.43	**−19.72**	329 40 11.05	43.162	+ 4.26	− 32.5	19 46 31.25	.....	+ 8 37 58.3	....
31	μ Aquarii	8	48 16.42	− 0.39	**−19.77**	311 44 9.42	42.305	+ 4.26	−1 2.2	20 47 56.26	.....	− 9 18 52.2	....
	June 2, P.												
32	Mercury II, C	8	40 43.37	− 0.44	−20.44	339 12 10.48	43.102	+ 5.08	− 20.8	3 40 22.49	− 0.20	+18 10 8.3	....
	June 3, P.												
33	Sun I, S	8	44 15.10	− 0.46	−20.47	343 6 7.15	43.345	+ 5.09	− 16.6	4 43 54.17	+68.55	+22 4 15.1	....
34	Sun II, N	8	46 32.19	− 0.46	−20.47	343 38 6.65	42.200	+ 5.09	− 16.1	4 46 11.26	−68.54	+22 35 48.5	....
35	δ Virginis	8	51 32.87	− 0.40	**−20.64**	324 54 6.88	44.705	+ 4.74	− 38.7	12 51 11.83	.....	+ 3 52 23.7	....
36	ε Virginis	8	58 10.56	− 0.43	**−20.63**	332 26 8.02	47.978	+ 4.74	− 28.7	12 57 49.48	.....	+11 25 49.4	....
37	θ Virginis	8	5 46.18	− 0.38	**−20.64**	315 58 8.55	43.278	+ 4.74	− 53.2	13 5 25.15	.....	− 5 4 21.6	....
38	43 Comæ Berenices	8	8 9.21	− 0.53	**−20.64**	349 20 7.92	46.135	+ 4.74	− 10.3	13 7 48.03	.....	+28 19 25.3	....
39	α Virginis	8	20 56.06	− 0.37	**−20.68**	310 20 9.90	43.720	+ 4.74	−1 4.8	13 20 35.04	.....	−10 42 21.9	....
40	ζ Virginis	8	30 35.31	− 0.39	**−20.66**	320 52 8.25	46.620	+ 4.74	− 44.8	13 30 14.26	.....	− 0 8 57.3	....
	June 3, M.												
41	γ Aquilæ	8	42 27.66	− 0.46	**−20.73**	331 26 15.28	42.295	+ 4.84	− 30.3	19 42 6.47	.....	+10 23 45.1	....
42	α Aquilæ	8	46 52.51	− 0.45	**−20.74**	329 40 16.05	42.945	+ 4.84	− 32.5	19 46 31.33	.....	+ 8 37 59.0	....
43	γ Sagittæ	8	55 13.64	− 0.50	**−20.75**	340 16 13.70	45.095	+ 4.84	− 19.9	19 54 52.41	.....	+19 14 58.6	....
44	θ Aquilæ	8	7 8.98	− 0.42	**−20.75**	319 56 13.42	46.162	+ 4.84	− 46.7	20 6 47.82	.....	− 1 5 4.4	....
45	α^2 Capricorni	8	13 33.56	− 0.40	**−20.71**	308 14 12.85	41.840	+ 4.84	−1 10.4	20 13 12.42	.....	−12 49 7.6	....
46	Moon II, N	8	24 7.28	− 0.41	−20.74	295 56 14.45	46.702	+ 4.84	−1 53.6	20 23 46.13	−67.28	−25 5 58.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
31 12 50	......	....	70.0
13 14	......	....	69.3
13 22	29.878	69.8	69.1
16 24	29.886	64.7	63.2
16 54	29.880	64.3	63.0
17 11	29.878	64.0	63.2
3 26	29.921	78.3	79.0
1 4 38	29.968	80.9	81.0
12 52	29.831	76.9	77.0
13 6	29.837	76.4	76.3
13 37	29.840	75.1	75.0
13 51	29.844	75.0	74.7
18 15	29.820	70.7	69.1
18 36	29.816	70.1	69.0
19 4	......	....	68.0
19 48	29.800	69.2	68.0
20 45	29.800	69.0	68.0
2 3 41	29.868	77.2	75.0
3 4 47	29.868	78.6	76.3
12 49	29.834	74.0	73.1
13 11	......	....	72.4
13 32	29.840	73.0	72.1
19 42	29.778	68.5	67.2
20 24	29.778	68.5	67.1

Micrometer bisections are made at II, VI, except as noted below.

8, 15, 32.	Bisections at I, II, VI, VII.
8.	Z. D. threads A used.
16, 33.	Bisections at I, II.
17, 34.	Bisections at VI, VII.
26, 46.	Bisections at II, III, V, VI.

Notes.

30. Micrometer reading decreased 5 rev.
41–43. Thick clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 1.7	.. ....	...	+ 1.7
15	+ 2.8	.. ....	− 0.2	+ 2.6
16	+ 2.4	−15 46.3	...	−15 43.9
17	+ 2.5	+15 46.4	...	+15 48.9
26	+50 23.8	+14 51.2	...	+65 15.0
32	+ 2.6	.. ....	− 0.2	+ 2.4
33	+ 2.5	+15 46.6	...	+15 49.1
34	+ 2.4	−15 46.7	...	−15 44.3
46	+48 29.6	−14 46.1	...	+33 43.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	June 4, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Aquilæ	8	42 28.36	− 0.42	**−21.45**	331 26 10.72	42.462	+ 5.29	− 30.3	19 42 6.48	.....	+10 23 44.8	....
2	α Aquilæ	8	46 53.21	− 0.42	**−21.45**	329 40 11.05	43.160	+ 5.29	− 32.6	19 46 31.33	.....	+ 8 37 59.2	....
3	γ Sagittæ	8	55 14.36	− 0.46	**−21.48**	340 16 9.90	45.262	+ 5.29	− 20.0	19 54 52.44	.....	+19 14 58.9	....
4	θ Aquilæ	8	7 9.73	− 0.39	**−21.50**	319 56	......	....	. ....	20 6 47.87	.....	− 1 5	....
5	α^2 Capricorni	6	13 34.28	− 0.37	**−21.43**	308 14	......	....	. ....	20 13 12.44	.....	−12 49	....
	June 5, Ep.												
6	Sun I, S	8	52 29.60	− 0.50	−21.63	343 20 12.55	42.902	+ 4.36	− 16.6	4 52 7.47	+68.49	+22 18 9.5	....
7	Sun II, N	8	54 46.58	− 0.50	−21.63	343 52 12.52	41.648	+ 4.36	− 16.0	4 54 24.45	−68.49	+22 49 40.9	....
8	β Libræ	8	12 40.59	− 0.40	**−21.83**	311 58 6.88	45.378	+ 3.76	−1 2.1	15 12 18.37	.....	− 9 3 44.5	....
9	α Coronæ Borealis	8	31 22.42	− 0.53	**−21.84**	348 2 7.05	43.820	+ 3.76	− 11.8	15 31 0.06	.....	+27 0 29.2	....
10	α Serpentis	8	40 20.48	− 0.43	**−21.86**	327 44 8.85	43.282	+ 3.76	− 35.4	15 39 58.22	.....	+ 6 41 55.5	....
11	β Serpentis	8	42 32.13	− 0.46	**−21.86**	336 42 8.25	47.300	+ 3.76	− 24.1	15 42 9.84	.....	+15 41 37.7	....
12	ε Ophiuchi	8	14 4.39	− 0.41	**−21.83**	316 32	......	....	. ....	16 13 42.14	.....	− 4 28	....
13	Jupiter I, C	6	33 57.01	− 0.41	−21.85	299 50 8.58	43.936	+ 3.76	−1 37.2	16 33 34.75	+ 1.55	−21 11 8.5	....
14	Jupiter II	6	34 0.10	− 0.41	−21.85	... .	......	....	. ....	16 33 37.84	− 1.54	.. ..	....
	June 5, M.												
15	γ Aquilæ	7	42 28.67	− 0.44	**−21.71**	331 26 7.78	42.665	+ 4.16	− 30.6	19 42 6.49	.....	+10 23 45.1	....
16	α Aquilæ	8	46 53.49	− 0.43	**−21.69**	329 40 6.05	43.445	+ 4.16	− 32.9	19 46 31.32	.....	+ 8 37 59.3	....
17	β Aquilæ	8	51 23.59	− 0.42	**−21.78**	327 12 6.78	46.340	+ 4.16	− 36.2	19 51 1.43	.....	+ 6 11 3.3	....
18	γ Sagittæ	8	55 14.62	− 0.48	**−21.70**	340 16 4.30	45.550	+ 4.16	− 20.1	19 54 52.40	.....	+19 14 58.7	....
19	θ Aquilæ	8	7 10.04	− 0.41	**−21.76**	319 56 4.75	46.585	+ 4.16	− 47.2	20 6 47.88	.....	− 1 5 4.6	....
20	Moon II, N	8	2 47.19	− 0.41	−21.79	304 4 10.00	44.520	+ 4.16	−1 23.0	22 2 24.99	−63.93	−16 58 22.5	....
	June 7, P.												
21	Sun I, N	8	0 45.17	− 0.46	−22.57	344 4 10.65	42.682	+ 2.74	− 16.0	5 0 22.14	+68.68	+23 2 1.4	....
22	Sun II, S	8	3 2.52	− 0.46	−22.57	343 32 9.58	44.048	+ 2.74	− 16.5	5 2 39.49	−68.67	+22 30 30.8	....
23	ε Virginis	8	58 12.60	− 0.45	**−22.68**	332 26 11.65	47.955	+ 2.81	− 29.4	12 57 49.40	.....	+11 25 49.9	....
24	θ Virginis	7	5 48.34	− 0.42	**−22.78**	315 58 12.22	43.278	+ 2.81	− 54.5	13 5 25.17	.....	− 5 4 21.1	....
25	43 Comæ Berenices	8	8 11.25	− 0.52	**−22.73**	349 20 9.62	46.195	+ 2.81	− 10.6	13 7 47.98	.....	+28 19 26.1	....
26	ζ Virginis	8	30 37.38	− 0.42	**−22.72**	320 52 14.05	46.492	+ 2.81	− 45.8	13 30 14.20	.....	− 0 8 57.3	....
27	m Virginis	8	37 24.36	− 0.42	**−22.70**	312 46 11.82	45.122	+ 2.81	−1 0.9	13 37 1.18	.....	− 8 15 45.5	....
28	τ Boötis	8	43 29.96	− 0.47	−22.76	338 54 11.28	47.055	+ 2.81	− 21.7	13 43 6.73	.....	+17 53 36.6	....
	June 7, Ep.												
29	γ Aquilæ	8	42 30.00	− 0.43	**−23.00**	331 26 13.08	42.510	+ 2.46	− 31.3	19 42 6.58	.....	+10 23 44.5	....
30	α Aquilæ	8	46 54.89	− 0.43	**−23.04**	329 40 14.15	43.202	+ 2.46	− 33.6	19 46 31.47	.....	+ 8 37 59.5	....
31	β Aquilæ	8	51 24.87	− 0.42	**−23.01**	327 12 12.48	46.192	+ 2.46	− 37.0	19 51 1.45	.....	+ 6 11 3.1	....
32	γ Sagittæ	8	55 15.99	− 0.47	**−23.03**	340 16 12.38	45.315	+ 2.46	− 20.6	19 54 52.52	.....	+19 14 59.2	....
33	θ Aquilæ	8	7 11.38	− 0.41	**−23.05**	319 56 11.68	46.422	+ 2.46	− 48.3	20 6 47.97	.....	− 1 5 4.2	....
34	ε Delphini	8	29 25.79	− 0.43	**−23.04**	332 2 13.85	43.380	+ 2.46	− 30.5	20 29 2.35	.....	+11 0 5.9	....
35	1 H. Draconis s. p.	8	24 58.57	+ 3.92	−23.03	59 16 14.65	44.588	+ 2.26	+1 37.3	9 24 39.46	.....	+81 43 16.9	....
36	Moon II, N	8	34 3.29	− 0.41	−23.07	315 2 9.55	45.630	+ 1.59	− 57.5	23 33 39.81	−62.59	− 5 59 34.4	....
37	Mercury II, C	8	21 4.58	− 0.47	−23.17	342 2 2.70	43.479	+ 1.57	− 18.4	4 20 40.94	− 0.19	+21 0 8.6	....
	June 8, Ep.												
38	Sun S	.	.. ..	....	.....	343 38 2.25	43.270	+ 1.57	− 16.6	5 5	.....	+22 36 4.8	....
39	Sun N	.	.. ..	....	.....	344 10 2.08	41.938	+ 1.57	− 16.1	.. ..	.....	+23 7 34.6	....
40	β Libræ	8	12 42.18	− 0.42	**−23.39**	311 58 2.20	45.712	+ 1.98	−1 3.3	15 12 18.36	.....	− 9 3 44.5	....
41	α Coronæ Borealis	8	31 23.95	− 0.53	**−23.37**	348 2 3.52	44.105	+ 1.98	− 12.1	15 31 0.02	.....	+27 0 30.1	....
42	α Serpentis	8	40 22.02	− 0.44	**−23.38**	327 44 5.32	43.565	+ 1.98	− 36.1	15 39 58.17	.....	+ 6 41 56.0	....
43	β Serpentis	8	42 33.68	− 0.47	**−23.39**	336 42 4.98	47.575	+ 1.98	− 24.6	15 42 9.80	.....	+15 41 38.5	....
44	α Scorpii	6	24 26.94	− 0.44	−23.42	294 48 6.70	46.275	+ 1.98	−2 3.0	16 24 3.08	.....	−26 14 27.9	....
45	β Herculis	8	26 52.46	− 0.50	**−23.42**	342 42 2.85	44.848	+ 1.98	− 17.8	16 26 28.54	.....	+21 40 41.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 19 42	29.845	68.9	67.4
19 55	29.850	68.8	67.3
5 4 55	29.980	75.0	72.0
15 13	29.960	67.5	67.0
15 43	29.957	67.5	66.1
16 14	29.964	67.4	65.8
16 34	29.954	67.6	66.0
19 42	[illegible]	65.6	63.9
19 55	......	....	64.2
20 12	29.924	65.8	64.3
22 3	29.920	65.3	63.3
7 5 3	29.932	67.4	65.5
12 56	29.924	65.0	63.0
13 35	......	....	62.3
13 45	29.928	64.0	62.2
19 43	29.940	55.8	53.5
20 0	......	....	53.2
20 [illegible]	29.953	54.8	52.7
21 25	29.970	53.9	51.6
23 34	30.020	55.4	53.5
4 21	30.044	63.8	61.9
8 5 6	[illegible]	64.0	62.0
15 13	29.996	58.4	58.0
15 31	......	....	57.3
15 43	[illegible]	58.0	57.3

Micrometer bisections are made at II, VI, except as noted below.

6, 21.	Bisections at I, II.
7, 22, 39.	Bisections at VI, VII.
13, 37.	Bisections at I, II, VI, VII.
13.	Z. D. threads A used.
17.	Bisection at II.
20, 36.	Bisections at II, III, V, VI.
35.	Bisections at b_4, b_6.
38.	Bisection at I.

Notes.

1–5, 12, 15–18, 23–25.	Clouds.
11, 12.	Degrees and minutes of circle reading assumed.
24.	Faint.
29–31, 35.	Haze.
38.	Revolutions of micrometer reading assumed.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 2.4	+15 45.7	...	+15 48.1
7	+ 2.4	−15 45.7	...	−15 43.3
13	+ 1.7	.. ....	...	+ 1.7
20	+44 51.4	−14 50.5	...	+30 0.9
21	+ 2.3	−15 45.3	...	−15 43.0
22	+ 2.4	+15 45.2	...	+15 47.6
36	+38 52.4	−15 6.0	...	+23 46.4
37	+ 2.1	.. ....	0.0	+ 2.1
38	+ 2.4	+15 44.8	...	+15 47.2
39	+ 2.3	−15 44.9	...	−15 42.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Jupiter I, C.	4	32 22.45	− 0.43	−23.42	299 52 4.90	46.769	+ 1.98	−1 39.1	16 31 58.60	+ 1.60	−21 8 11.1	....
2	Jupiter II.	4	32 25.64	− 0.43	−23.42	... .	......	....	.....	16 32 1.79	− 1.59	.. ..	....
	June 8, P.												
3	α^2 Capricorni.	8	13 36.45	− 0.44	**−23.42**	308 12 8.50	47.625	+ 1.09	−1 13.4	20 13 12.63	.....	−12 49 6.3	....
4	ε Delphini.	8	29 26.23	− 0.45	**−23.43**	332 2 10.20	43.652	+ 1.09	− 30.8	20 29 2.39	.....	+11 0 6.8	....
5	α Delphini.	8	35 58.65	− 0.47	**−23.39**	336 38 9.25	42.982	+ 1.09	− 25.0	20 35 34.79	.....	+15 35 56.9	....
6	μ Aquarii.	8	48 20.36	− 0.43	**−23.46**	311 44 7.50	42.705	+ 1.09	−1 4.9	20 47 56.54	.....	− 9 18 50.9	....
7	32 Vulpeculæ.	7	51 13.97	− 0.52	**−23.35**	348 44 11.78	45.565	+ 1.09	− 11.5	20 50 50.05	.....	+27 43 11.3	....
8	ζ Cygni.	8	9 36.78	− 0.54	**−23.38**	350 54 12.08	41.720	+ 1.09	− 9.3	21 9 12.84	.....	+29 51 46.0	....
9	1 H. Draconis s. P.	8	24 58.86	+ 3.75	−23.41	59 16 11.92	44.755	+ 1.09	+1 37.8	9 24 39.20	.....	+81 43 17.2	....
10	Moon II, N.	8	19 23.12	− 0.45	−23.46	321 10 11.10	43.130	− 0.22	− 46.0	0 18 59.21	−63.13	+ 0 7 39.3	....
	June 9, M.												
11	θ Aquilæ.	8	7 12.24	− 0.45	**−23.81**	319 56 4.40	46.835	+ 0.69	− 48.2	20 6 47.98	.....	− 1 5 3.7	....
12	α^2 Capricorni.	8	13 36.89	− 0.46	**−23.81**	308 12 6.12	47.700	+ 0.69	−1 12.8	20 13 12.62	.....	−12 49 6.8	....
13	ε Delphini.	8	29 26.59	− 0.47	**−23.74**	332 2 5.45	43.860	+ 0.69	− 30.5	20 29 2.30	.....	+11 0 6.7	....
14	α Delphini.	8	35 59.14	− 0.48	**−23.84**	336 38 6.35	43.105	+ 0.69	− 24.8	20 35 34.84	.....	+15 35 56.6	....
15	μ Aquarii.	8	48 20.82	− 0.46	**−23.86**	311 44 4.50	42.855	+ 0.69	−1 4.5	20 47 56.54	.....	− 9 18 50.4	....
16	32 Vulpeculæ.	8	51 14.50	− 0.52	**−23.85**	348 44 6.72	45.785	+ 0.69	− 11.4	20 50 50.16	.....	+27 43 11.0	....
17	Moon II.	8	6 12.18	− 0.47	−23.91	327 12	......	....	. ....	1 5 47.80	−64.61	.. ..	....
18	α Ursæ Minoris.	8	27 51.30	−24.64	−23.92	49 50 5.28	44.590	+ 0.60	+1 7.4	1 27 2.74	.....	+88 50 1.9	....
19	Mercury II, C.	8	38 37.20	− 0.51	−23.98	343 2 2.02	44.051	+ 1.46	− 17.1	4 38 12.71	− 0.19	+22 0 22.0	....
	June 10, M.												
20	Sun I, N.	8	13 10.81	− 0.51	−23.99	344 18 1.05	47.010	+ 1.46	− 15.7	5 12 46.31	+68.76	+23 17 30.3	....
21	Sun II, S.	8	15 28.33	− 0.51	−23.99	343 46 1.05	48.358	+ 1.46	− 16.3	5 15 3.83	−68.76	+22 45 59.6	....
22	α Virginis.	8	20 59.61	− 0.48	**−24.16**	310 20 8.90	44.018	+ 2.06	−1 6.2	13 20 34.98	.....	−10 42 21.2	....
23	α Ursæ Minoris s. P.	8	26 59.45	+27.57	−24.15	52 10 2.18	44.250	+ 2.06	+1 12.7	1 27 2.87	.....	+88 50 2.5	....
24	κ Virginis.	8	8 38.50	− 0.48	**−24.16**	311 10 2.10	44.878	+ 2.06	−1 4.6	14 8 13.85	.....	− 9 52 5.7	....
25	α Boötis.	8	12 5.54	− 0.54	**−24.12**	340 40 3.60	43.892	+ 2.06	− 19.8	14 11 40.83	.....	+19 38 18.5	....
26	θ Boötis.	8	22 39.89	− 0.89	−24.17	13 16	......	....	. ....	14 22 14.83	.....	+52 15	....
27	33 Boötis.	8	36 1.22	− 0.76	−24.17	5 48	......	....	. ....	14 35 36.29	.....	+44 46	....
28	ε Boötis.	8	41 35.68	− 0.58	**−24.21**	348 28 6.05	44.245	+ 2.06	− 11.5	14 41 10.92	.....	+27 26 36.5	....
29	α Libræ.	8	46 27.18	− 0.48	**−24.13**	305 22 4.30	43.490	+ 2.06	−1 19.6	14 46 2.52	.....	−15 40 50.3	....
30	ψ Boötis.	8	1 7.52	− 0.58	**−24.17**	348 18 5.78	46.150	+ 2.06	− 11.7	15 0 42.76	.....	+27 17 19.6	....
31	β Libræ.	8	12 43.01	− 0.48	**−24.16**	311 58 5.78	45.540	+ 2.06	−1 3.0	15 12 18.34	.....	− 9 3 44.5	....
32	Jupiter I, C.	4	31 20.08	− 0.49	−24.21	299 54 8.35	46.449	+ 2.06	−1 38.6	16 30 55.38	+ 1.64	−21 6 14.5	....
33	Jupiter II.	4	31 23.36	− 0.49	−24.21	... .	......	....	. ....	16 30 58.66	− 1.64	.. ..	....
	June 10, P.												
34	α Aquilæ.	8	46 56.32	− 0.46	**−24.37**	329 40 7.42	43.555	+ 2.04	− 33.5	19 46 31.52	.....	+ 8 38 0.5	....
35	β Aquilæ.	8	51 26.33	− 0.46	**−24.35**	327 12 8.18	46.428	+ 2.04	− 36.9	19 51 1.53	.....	+ 6 11 3.9	....
36	γ Sagittæ.	8	55 17.39	− 0.49	**−24.33**	340 16 6.58	45.608	+ 2.04	− 20.5	19 54 52.56	.....	+19 14 59.8	....
37	ε Delphini.	8	29 27.20	− 0.47	**−24.33**	332 2 8.25	43.675	+ 2.04	− 30.5	20 29 2.38	.....	+11 0 6.6	....
38	α Delphini.	8	35 59.67	− 0.48	**−24.35**	336 38 7.72	42.995	+ 2.04	− 24.8	20 35 34.83	.....	+15 35 56.8	....
39	μ Aquarii.	8	48 21.43	− 0.45	**−24.45**	311 44 9.32	42.610	+ 2.04	−1 4.4	20 47 56.62	.....	− 9 18 49.8	....
40	α Ursæ Minoris.	8	27 52.55	−25.98	−24.46	49 50 10.15	44.380	+ 1.15	+1 7.2	1 27 2.11	.....	+88 50 2.3	....
41	Moon II.	8	55 57.04	− 0.46	−24.47	333 24	......	....	. ....	1 55 32.11	−67.04	.. ..	....
42	Mercury C, C.	8	47 39.53	− 0.46	−24.52	343 30 10.90	42.672	+ 1.46	− 16.4	4 47 14.55	− 0.01	+22 27 59.7	....
	June 11, P.												
43	Sun I, S.	8	17 19.97	− 0.44	−24.53	343 52 7.58	43.775	+ 1.46	− 16.0	5 16 55.00	+68.80	+22 50 21.9	....
44	Sun II, N.	8	19 37.58	− 0.44	−24.53	344 24 9.15	42.375	+ 1.46	− 15.4	5 19 12.61	−68.81	+23 21 52.4	....
45	α Virginis.	8	21 0.08	− 0.42	**−24.70**	310 20 10.40	43.843	+ 2.80	−1 5.3	13 20 34.97	.....	−10 42 21.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 16 32	30.000	57 1	56.8
20 11	29.970	51.5	50.0
20 38	......	....	49.5
20 54	......	....	50.0
21 11	29.970	51.2	49.5
21 27	29.974	51.1	49.3
0 20	30.033	59.2	58.0
9 20 7	30.156	58 6	57.3
20 29	......	....	56.9
20 51	30.170	57.4	56.1
1 28	30.252	65.3	64.8
4 39	30.240	71.0	69.6
10 5 15	30.233	71.5	70.0
13 27	30.100	67.2	66.1
14 12	......	....	63.8
14 42	30.100	65.1	63.1
15 13	30.100	64.3	62.4
16 31	30.100	62 2	60.1
19 44	30.046	58.5	57.0
19 58	......	....	56 5
20 30	......	....	55.8
20 50	30.044	57.0	55 0
1 28	30 094	64.0	63 9
4 48	30 096	75.0	75.0
11 5 20	30 092	75 4	75.3
13 18	29.962	71.5	70.5

Micrometer bisections are made at II, VI, except as noted below.

1, 19, 32, 42.	Bisections at I, II, VI, VII.
1, 32.	Z. D. threads A used.
9.	Bisections at b_4, b_6.
10.	Bisections at II, III, V, VI.
18, 23, 40.	Bisections at $9^{r}.5$, $10^{r}.5$.
20, 43.	Bisections at I, II.
21, 37, 44.	Bisections at VI, VII.
45.	Bisection at II.

Note.

18. Faint at times.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 1.7	.. ....	...	+ 1.7
10	+34 54.9	−15 17.7	...	+19 37.2
19	+ 2.0	.. ....	0.0	+ 2.0
20	+ 2.3	−15 45.3	...	−15 43.0
21	+ 2.4	+15 45.3	...	+15 47.7
32	+ 1.7	.. ....	...	+ 1.7
42	+ 1.9	.. ....	0.0	+ 1.9
43	+ 2.4	+15 45.2	...	+15 47.6
44	+ 2.3	−15 45.2	...	−15 42.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	′
1	α Ursæ Minoris S. P.	8	27 0.14	+27.00	−24.69	52 10 11.05	43.888	+ 2.80	+1 11.8	1 27 2.45	.....	+88 50 2.1	....
2	*m* Virginis..............	8	37 26.33	− 0.42	**−24.69**	312 46 11.40	45.108	+ 2.80	−1 0.0	13 37 1.21	.....	− 8 15 45.3	....
3	τ Boötis..................	8	43 31.89	− 0.48	−24.70	338 54 9.15	47.185	+ 2.80	− 21.4	13 43 6.71	.....	+17 53 37.8	....
4	η Boötis..................	8	50 56.82	− 0.49	**−24.69**	339 52 10.72	43.390	+ 2.80	− 20.4	13 50 31.63	.....	+18 50 13.9	....
5	ε Boötis..................	8	41 36.06	− 0.54	**−24.64**	348 28 11.08	43.992	+ 2.80	− 11.4	14 41 10.80	.....	+27 26 36.6	....
6	α Libræ...................	8	46 27.69	− 0.42	**−24.70**	305 22 11.55	43.095	+ 2.80	−1 18.6	14 46 2.55	.....	−15 40 50.4	....
7	57 B. Ursæ Minoris.....	8	6 24.08	−12.93	−24.73	48 34 14.52	45.080	+ 2.80	+1 3.6	15 5 46.42	.....	+87 34 20.7	....
	June 11, Ep.												
8	β Aquilæ..................	8	51 26.87	− 0.45	**−24.88**	327 12 20.32	45.868	+ 2.67	− 36.3	19 51 1.49	.....	+ 6 11 4.5	....
9	γ Sagittæ.................	8	55 18.06	− 0.49	**−24.98**	340 16 20.28	45.005	+ 2.67	− 20.2	19 54 52.64	.....	+19 15 0.6	....
10	θ Aquilæ..................	8	7 13.44	− 0.44	**−24.97**	319 56 21.45	46.008	+ 2.67	− 47.5	20 6 48.06	.....	− 1 5 2.8	....
11	α² Capricorni............	8	13 38.03	− 0.43	**−24.93**	308 12 19.15	47.012	+ 2.67	−1 11.7	20 13 12.66	.....	−12 49 6.3	....
12	μ Aquarii.................	8	48 22.01	− 0.43	**−25.02**	311 44 22.88	41.910	+ 2.67	−1 3.4	20 47 56.63	.....	− 9 18 50.6	....
13	32 Vulpeculæ	8	51 15.69	− 0.54	**−24.96**	348 44 22.55	45.015	+ 2.67	− 11.2	20 50 50.20	.....	+27 43 11.4	....
14	1 H. Draconis S. P.	8	25 0.16	+ 3.76	−24.96	59 16 23.02	44.335	+ 2.67	+1 35.6	9 24 38.96	.....	+81 43 16.5	....
15	Mercury II, C.........	8	56 51.55	− 0.45	−25.09	343 54 10.15	47.146	+ 1.98	− 15.5	4 56 26.01	− 0.18	+22 53 42.4	....
	June 12, Ep.												
16	Sun I, N.............	8	21 29.41	− 0.45	−25.10	344 28 7.42	42.210	+ 1.98	− 15.0	5 21 3.86	+68.72	+23 25 48.6	....
17	Sun II, S............	8	23 46.86	− 0.45	−25.10	343 56 7.50	43.640	+ 1.98	− 15.5	5 23 21.31	−68.73	+22 54 19.6	....
	June 12, M.												
18	θ Aquilæ..................	8	7 13.69	− 0.44	**−25.20**	319 56 9.40	46.465	+ 3.44	− 46.3	20 6 48.05	.....	− 1 5 2.5	....
19	α² Capricorni............	8	13 38.27	− 0.43	**−25.14**	308 12 11.62	47.252	+ 3.44	−1 9.9	20 13 12.64	.....	−12 49 5.8	....
20	ε Delphini................	8	29 28.13	− 0.46	**−25.21**	332 2 13.10	43.380	+ 3.44	− 29.3	20 29 2.47	.....	+11 0 7.4	....
21	α Delphini................	8	36 0.61	− 0.48	**−25.23**	336 38 15.18	42.602	+ 3.44	− 23.9	20 35 34.92	.....	+15 35 57.6	....
22	μ Aquarii.................	8	48 22.26	− 0.43	**−25.24**	311 44 11.68	42.310	+ 3.44	−1 1.9	20 47 56.62	.....	− 9 18 50.4	....
23	32 Vulpeculæ............	8	51 15.96	− 0.54	**−25.21**	348 44 12.18	45.432	+ 3.44	− 11.0	20 50 50.21	.....	+27 43 11.5	....
24	Mercury II, C.........	8	6 11.64	− 0.55	−25.41	344 18 12.20	45.920	+ 3.55	− 15.4	5 5 45.68	− 0.18	+23 17 18.9	....
	June 13, M.												
25	Sun I, S..............	8	25 38.79	− 0.55	−25.42	343 58 12.25	47.418	+ 3.55	− 15.7	5 25 12.82	+68.85	+22 57 52.6	....
26	Sun II, N............	8	27 56.49	− 0.55	−25.42	344 30 11.90	46.095	+ 3.55	− 15.1	5 27 30.52	−68.85	+23 29 22.9	....
27	α Virginis................	8	21 1.08	− 0.48	**−25.65**	310 20 5.72	44.030	+ 2.91	−1 4.7	13 20 34.98	.....	−10 42 20.7	....
28	α Ursæ Minoris S. P.	8	27 4.33	+26.50	−25.62	52 10 5.18	44.175	+ 2.91	+1 11.0	1 27 5.21	.....	+88 50 2.2	....
29	*m* Virginis..............	8	37 27.29	− 0.48	**−25.60**	312 46 3.88	45.390	+ 2.91	− 59.4	13 37 1.19	.....	− 8 15 45.7	....
30	τ Boötis..................	8	43 32.85	− 0.54	−25.62	338 54 5.15	47.348	+ 2.91	− 21.2	13 43 6.69	.....	+17 53 37.8	....
31	η Boötis..................	7	50 57.77	− 0.54	**−25.60**	339 52 5.18	43.605	+ 2.91	− 20.2	13 50 31.60	.....	+18 50 13.6	....
32	τ Virginis................	8	57 37.99	− 0.49	**−25.61**	323 0 6.78	43.980	+ 2.91	− 41.6	13 57 11.87	.....	+ 1 58 2.5	....
33	κ Virginis................	8	8 39.91	− 0.48	**−25.58**	311 10 6.52	44.602	+ 2.91	−1 3.2	14 8 13.80	.....	− 9 52 5.3	....
34	λ Boötis..................	8	13 31.20	− 0.78	−25.63	7 30	......	....	.....	14 13 4.79	.....	+46 29	....
35	θ Boötis..................	8	22 41.31	− 0.88	−25.64	13 16	......	....	.....	14 22 14.79	.....	+52 15	....
	June 13, P.												
36	γ Aquilæ..................	8	42 32.99	− 0.49	**−25.80**	331 26 9.55	42.692	+ 2.64	− 30.6	19 42 6.70	.....	+10 23 46.0	....
37	α Aquilæ..................	8	46 57.88	− 0.49	**−25.83**	329 40 12.80	43.285	+ 2.64	− 32.9	19 46 31.58	.....	+ 8 38 0.9	....
38	β Aquilæ..................	8	51 27.93	− 0.48	**−25.86**	327 12 11.02	46.290	+ 2.64	− 36.2	19 51 1.64	.....	+ 6 11 4.9	....
39	γ Sagittæ.................	7	55 18.97	− 0.52	**−25.81**	340 16 10.88	45.425	+ 2.64	− 20.2	19 54 52.64	.....	+19 15 0.8	....
40	θ Aquilæ..................	8	7 14.36	− 0.47	**−25.81**	319 56 9.08	46.550	+ 2.64	− 47.3	20 6 48.08	.....	− 1 5 2.6	....
41	α² Capricorni............	8	13 39.01	− 0.47	**−25.82**	308 12 11.78	47.330	+ 2.64	−1 11.5	20 13 12.73	.....	−12 49 6.3	....
	June 16, P.												
42	o¹ Cygni..................	8	11 21.52	− 0.75	−27.17	7 30	......	....	.....	20 10 53.60	.....	+46 28	....
43	α Delphini................	8	36 2.63	− 0.46	**−27.17**	336 38 9.28	42.885	+ 3.82	− 24.0	20 35 34.99	.....	+15 35 58.4	....
44	α Cygni...................	8	38 55.62	− 0.72	−27.18	5 58	......	....	.....	20 38 27.72	.....	+44 57	....
45	μ Aquarii.................	8	48 24.27	− 0.40	**−27.17**	311 44 9.58	42.418	+ 3.82	−1 2.3	20 47 56.68	.....	− 9 18 50.0	....
46	32 Vulpeculæ............	8	51 18.05	− 0.53	**−27.19**	348 44 10.12	45.558	+ 3.82	− 11.0	20 50 50.33	.....	+27 43 12.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 13 46	......	....	69.9
13 52	29.960	71.0	69.4
14 39	29.948	69.0	67.5
14 50	......	....	67.0
15 10	29.940	68.0	66.5
19 51	29.864	62.6	60.8
20 14	29.856	61.8	59.9
20 51	29.857	60.9	59.0
21 25	29.847	60.3	58.1
4 57	29.801	81.0	82.0
12 5 24	29.792	82.0	82.9
20 7	29.650	70.2	69.2
20 29	......	....	68.3
20 51	29.660	69.2	67.8
5 6	29.730	73.8	73.3
13 5 26	29.722	74.1	74.0
13 21	29.670	71.8	70.7
13 44	......	....	70.0
14 9	29.690	69.8	67.7
19 40	29.710	62.1	60.3
19 59	......	....	60.0
20 15	29.710	61.0	59.0
16 20 32	29.703	66.5	66.0
20 54	......	....	66.0

Micrometer bisections are made at II, VI, except as noted below.

1, 28. Bisections at $9^{r}.5$, $10^{r}.5$.

7. Bisections at $9^{r}.0$, $11^{r}.0$.
12. Bisection at VI.
14. Bisections at b_4, b_6.
15, 24. Bisections at I, II, VI, VII.
16, 25. Bisections at I, II.
17, 26. Bisections at VI, VII.

Notes.
8. Haze.
14. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
15	+ 1.8	.. ....	0.0	+ 1.8
16	+ 2.3	−15 44.5	...	−15 42.2
17	+ 2.4	+15 44.4	...	+15 46.8
24	+ 1.8	.. ....	0.0	+ 1.8
25	+ 2.4	+15 45.1	...	+15 47.5
26	+ 2.3	−15 45.1	...	−15 42.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ζ Cygni	8	9 40.88	− 0.55	**−27.24**	350 54 7.95	41.812	+ 3.82	− 8.9	21 9 13.14	.....	+29 51 47.1	....
2	β Aquarii	8	27 25.20	− 0.40	**−27.18**	315 4 10.38	45.648	+ 3.82	− 55.5	21 26 57.60	.....	− 5 57 29.0	....
3	ε Pegasi	8	40 21.18	− 0.44	**−27.20**	330 30 8.70	43.940	+ 3.82	− 31.5	21 39 53.54	.....	+ 9 28 14.2	....
4	α Ursæ Minoris	8	28 5.67	−32.29	−27.26	49 50 6.65	44.480	+ 3.52	+1 5.2	1 27 6.12	.....	+88 50 1.5	....
	June 17, P.												
5	Sun I, N	8	42 18.32	− 0.49	−27.34	344 40 9.12	46.250	+ 3.91	− 14.7	5 41 50.49	+68.91	+23 39 24.7	....
6	Sun II, S	8	44 36.14	− 0.49	−27.34	344 8 11.95	47.540	+ 3.91	− 15.2	5 44 8.31	−68.91	+23 7 56.0	....
7	α Virginis	8	21 2.73	− 0.38	[**−27.43**]	310 20 11.15	43.645	+ 5.24	−1 4.2	13 20 34.87	.....	−10 42 21.3	....
8	α Ursæ Minoris s. p.	8	27 6.70	+30.29	−27.48	52 10 13.18	43.785	+ 5.24	+1 10.4	1 27 9.51	.....	+88 50 1.2	....
9	η Boötis	8	50 59.57	− 0.49	**−27.48**	339 52 10.70	43.288	+ 5.24	− 20.0	13 50 31.59	.....	+18 50 14.5	....
10	τ Virginis	8	57 39.77	− 0.41	**−27.49**	323 0 12.38	43.595	+ 5.24	− 41.2	13 57 11.87	.....	+ 1 58 2.0	....
11	κ Virginis	8	8 41.72	− 0.38	**−27.51**	311 10 11.70	44.250	+ 5.24	−1 2.4	14 8 13.85	.....	− 9 52 5.1	....
12	α Boötis	8	12 8.82	− 0.50	**−27.48**	340 40 11.40	43.412	+ 5.24	− 19.2	14 11 40.83	.....	+19 38 19.1	....
13	ε Boötis	8	41 38.90	− 0.56	**−27.49**	348 28 11.32	43.900	+ 5.24	− 11.1	14 41 10.84	.....	+27 26 37.5	....
14	α Libræ	8	46 30.45	− 0.37	**−27.52**	305 22 12.70	42.795	+ 5.24	−1 16.9	14 46 2.58	.....	−15 40 51.9	....
	June 20, M.												
15	Sun I, S	8	54 48.43	− 0.54	−28.61	344 12 3.85	45.908	+ 3.11	− 15.5	5 54 19.28	+68.90	+23 11 9.4	....
16	Sun II, N	8	57 6.24	− 0.54	−28.61	344 44 6.82	44.285	+ 3.11	− 15.0	5 56 37.09	−68.91	+23 42 36.3	....
17	Mercury C, C	8	13 27.04	− 0.56	−28.61	345 52 7.50	44.500	+ 3.11	− 13.8	6 12 57.87	0.00	+24 50 43.3	....
18	Moon I, N	8	16 59.24	− 0.46	−28.66	328 12 1.88	47.185	+ 3.70	− 83.9	11 16 30.12	+67.18	+ 7 11 19.2	....
19	τ Virginis	8	57 40.96	− 0.44	**−28.67**	323 0 5.30	44.015	+ 3,70	− 41.6	13 57 11.81	.....	+ 1 58 2.6	....
20	κ Virginis	8	8 42.94	− 0.41	**−28.71**	311 10 6.55	44.595	+ 3.70	−1 3.2	14 8 13.82	.....	− 9 52 4.7	....
21	α Boötis	8	12 10.04	− 0.51	**−28.72**	340 40 4.75	43.798	+ 3.70	−0 19.4	14 11 40.81	.....	+19 38 19.6	....
22	ε Boötis	8	41 40.09	− 0.56	**−28.70**	348 28 4.85	44.265	+ 3.70	−0 11.3	14 41 10.80	.....	+27 26 37.6	....
23	α Libræ	8	46 31.68	− 0.41	**−28.72**	305 22 7.18	43.202	+ 3.70	−1 18.0	14 46 2.54	.....	−15 40 50.7	....
24	ψ Boötis	8	1 12.02	− 0.56	**−28.74**	348 18 7.32	46.078	+ 3.70	− 11.4	15 0 42.73	.....	+27 17 21.4	....
	June 20, P.												
25	μ Aquarii	8	48 26.16	− 0.48	**−28.87**	311 44 9.25	42.522	+ 3.44	−1 3.2	20 47 56.77	.....	− 9 18 49.2	....
26	32 Vulpeculæ	8	51 19.92	− 0.58	**−28.91**	348 44 9.45	45.650	+ 3.42	− 11.2	20 50 50.43	.....	+27 43 13.6	....
27	ζ Cygni	8	9 42.73	− 0.59	**−28.93**	350 52 9.68	47.070	+ 3.35	− 9.0	21 9 13.22	.....	+29 51 48.6	....
28	β Aquarii	8	27 27.12	− 0.47	**−28.91**	315 4 12.22	45.610	+ 3.27	− 56.3	21 26 57.73	.....	− 5 57 29.4	....
29	ε Pegasi	8	40 23.12	− 0.49	**−28.97**	330 30 12.28	43.855	+ 3.22	− 31.9	21 39 53.70	.....	+ 9 28 15.9	....
30	16 Pegasi	7	49 34.56	− 0.55	**−28.99**	346 32 8.98	43.990	+ 3.18	− 13.5	21 49 5.08	.....	+25 30 33.3	....
31	3 Lacertæ	8	20 36.79	− 0.84	−28.94	12 48	......	....	.....	22 20 7.01	.....	+51 47	....
32	7 Lacertæ	8	28 10.71	− 0.80	−28.94	10 50	......	....	.....	22 27 40.97	.....	+49 49	....
33	θ Ceti	8	20 7.67	− 0.42	[**−29.03**]	312 24 9.38	44.552	+ 2.49	−1 1.2	1 19 38.24	.....	− 8 38 1.4	....
34	α Ursæ Minoris	8	28 7.55	−25.32	−29.01	49 50 10.45	44.288	+ 2.49	+1 6.4	1 27 13.22	.....	+88 50 1.1	....
	June 21, P.												
35	Sun I, S	8	58 58.62	− 0.50	−29.10	344 12 4.42	46.455	+ 3.17	− 15.4	5 58 29.02	+68.90	+23 11 22.6	....
36	Sun II, N	8	1 16.42	− 0.50	−29.10	344 44 2.80	45.152	+ 3.17	− 14.9	6 0 46.82	−68.90	+23 42 52.3	....
37	Mercury C	.	.. ..	.....	.....	345 54 3.25	45.139	+ 3.10	− 13.7	6 22	.....	+24 52 53.5	....
38	Moon I, N	8	7 29.20	− 0.45	−29.24	321 28 11.60	42.604	+ 4.01	− 43.4	12 6 59.51	+65.65	+ 0 25 36.2	....
39	α Virginis	8	21 4.53	− 0.42	[**−29.22**]	310 20 13.38	43.595	+ 4.01	−1 4.7	13 20 34.85	.....	−10 42 21.9	....
40	α Ursæ Minoris s. p.	8	27 14.26	+27.64	−29.26	52 10 13.02	43.778	+ 4.01	+1 11.0	1 27 12.64	.....	+88 50 2.1	....
41	τ Virginis	8	57 41.51	− 0.44	**−29.23**	323 0 11.58	43.695	+ 4.01	− 41.5	13 57 11.80	.....	+ 1 58 2.0	....
42	κ Virginis	8	8 43.51	− 0.42	**−29.28**	311 10 11.35	44.322	+ 4.01	−1 3.0	14 8 13.81	.....	− 9 52 5.6	....
43	α Boötis	8	12 10.59	− 0.50	**−29.28**	340 40 13.70	43.378	+ 4.01	− 19.3	14 11 40.81	.....	+19 38 19.4	....
44	ε Boötis	8	41 40.64	− 0.54	**−29.28**	348 28 13.08	43.885	+ 4.01	− 11.2	14 41 10.81	.....	+27 26 37.6	....
45	α Libræ	8	46 32.23	− 0.42	**−29.26**	305 22 13.20	42.899	+ 4.01	−1 17.7	14 46 2.52	.....	−15 40 51.0	....
46	ψ Boötis	8	1 12.55	− 0.54	**−29.30**	348 18 13.32	45.775	+ 4.01	− 11.4	15 0 42.72	.....	+27 17 20.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 21 12	......	....	65.7
21 30	......	....	65.5
21 42	29.720	66.0	65.0
1 28	29.752	73.5	73.0
17 5 45	29.748	83.8	84.3
13 18	29.680	76.0	75.0
13 49	......	....	74.2
14 14	29.692	75.0	73.9
14 40	......	....	74.0
14 48	29.706	74.7	74.0
20 5 57	[illegible]	74.2	73.6
6 13	29.792	75.0	74.2
11 17	29.800	76.5	76.0
13 58	29.816	70.8	70.3
14 47	......	....	69.3
15 1	29.830	69.3	69.2
20 46	29.842	62.0	61.0
21 30	......	....	60.6
21 51	29.850	61.1	60.8
1 18	......	....	66.0
1 32	29.902	68.0	67.0
21 6 1	29.918	77.8	78.8
6 23	29.912	78.0	78.0
12 10	29.880	78.5	78.4
13 20	......	....	74.5
13 31	29.884	75.1	74.0
13 56	......	....	73.3
14 15	29.888	73.2	73.0
14 40	......	....	72.2
14 49	......	....	72.0
15 3	29.900	72.0	71.2

Micrometer bisections are made at II, VI, except as noted below.

4, 8, 34, 40. Bisections at $9^{r}.5$, $10^{r}.5$.
5, 15, 35. Bisections at I, II.
6, 16, 36. Bisections at VI, VII.
17, 37. Bisections at I, II, VI, VII.
18, 38. Bisections at II, III, V, VI.
45. Bisections at II, VI, VII.

Note.
30, 45. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 2.2	−15 44.3	...	−15 42.1
6	+ 2.3	+15 44.3	...	+15 46.6
15	+ 2.3	+15 43.4	...	+15 45.7
16	+ 2.2	−15 43.4	...	−15 41.2
17	+ 1.6	.. ....	0.0	+ 1.6
18	+30 45.9	−16 4.4	...	+14 41.5
35	+ 2.3	+15 44.8	...	+15 47.1
36	+ 2.2	−15 44.8	...	−15 42.6
37	+ 1.6	.. ....	0.0	+ 1.6
38	+35 58.8	−15 51.9	...	+20 6.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	June 21, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	μ Aquarii	8	48 26.68	− 0.45	**−29.39**	311 44 14.85	42.265	+ 4.43	−1 3.0	20 47 56.89	.....	− 9 18 48.3	....
2	32 Vulpeculæ	8	51 20.37	− 0.57	**−29.34**	348 44 14.82	45.412	+ 4.43	− 11.2	20 50 50.46	.....	+27 43 14.5	....
3	ζ Cygni	7	9 43.17	− 0.58	**−29.36**	350 52 17.48	46.705	+ 4.43	− 9.0	21 9 13.25	.....	+29 51 49.1	....
4	β Aquarii	8	27 27.58	− 0.45	**−29.36**	315 4 16.12	45.410	+ 4.43	− 56.2	21 26 57.78	.....	− 5 57 28.8	....
5	ε Pegasi	8	40 23.52	− 0.48	**−29.35**	330 30 14.92	43.692	+ 4.43	− 31.9	21 39 53.69	.....	+ 9 28 15.0	....
6	16 Pegasi	8	49 34.94	− 0.55	**−29.34**	346 32 16.30	43.628	+ 4.43	− 13.5	21 49 5.03	.....	+25 30 33.6	....
7	θ Ceti	8	20 8.05	− 0.45	[**−29.35**]	312 24 14.95	44.285	+ 3.92	−1 1.4	1 19 38.19	.....	− 8 38 0.7	....
8	α Ursæ Minoris	8	28 8.72	−26.32	−29.41	49 50 17.12	43.992	+ 3.92	+1 6.8	1 27 12.99	.....	+88 50 2.4	....
	June 22, M.												
9	Sun I, N	8	3 8.46	− 0.54	−29.50	344 44 9.72	44.340	+ 3.95	− 14.9	6 2 38.42	+68.94	+23 42 41.4	....
10	Sun II, S	8	5 26.34	− 0.54	−29.50	344 12 11.35	45.698	+ 3.95	− 15.5	6 4 56.30	−68.94	+23 11 12.9	....
11	Mercury C, C	8	32 28.74	− 0.55	−29.51	345 54 11.58	43.086	+ 3.95	− 13.7	6 31 58.68	+ 0.01	+24 52 15.8	....
12	Moon I	8	56 27.51	− 0.42	−29.63	314 36	......	....	. ....	12 55 57.46	+65.10	.. ..	....
	June 23, P.												
13	α Libræ	8	46 33.09	− 0.44	**−30.11**	305 22	......	....	. ....	14 46 2.47	.....	−15 40	....
14	ψ Boötis	8	1 13.46	− 0.57	**−30.19**	348 18 12.60	45.835	+ 4.34	− 11.5	15 0 42.70	.....	+27 17 21.7	....
15	β Libræ	8	12 49.01	− 0.44	**−30.21**	311 58 11.02	45.175	+ 4.34	−1 2.1	15 12 18.38	.....	− 9 3 44.4	....
16	α Coronæ Borealis	8	31 30.82	− 0.57	**−30.25**	348 2 11.15	43.748	+ 4.34	− 11.8	15 31 0.05	.....	+27 0 32.3	....
17	α Serpentis	8	40 28.88	− 0.47	**−30.20**	327 44 11.48	43.212	+ 4.34	− 35.3	15 39 58.21	.....	+ 6 41 57.3	....
18	β Serpentis	8	42 40.47	− 0.50	**−30.15**	336 42 11.40	47.260	+ 4.34	− 24.0	15 42 9.77	.....	+15 41 40.7	....
19	Jupiter I, C	6	25 3.22	− 0.44	−30.21	300 6 13.08	45.876	+ 4.34	−1 36.0	16 24 32.57	+ 1.67	−20 54 17.8	....
20	Jupiter II	6	25 6.56	− 0.44	−30.21	... .	......	....	. ....	16 24 35.91	− 1.67	.. ..	....
21	σ Herculis	8	31 49.48	− 0.73	−30.21	3 38	......	....	. ....	16 31 18.54	.....	+42 37	....
22	ζ Ophiuchi	8	32 51.84	− 0.44	**−30.20**	310 38 14.22	45.618	+ 4.34	−1 5.1	16 32 21.18	.....	−10 23 34.3	....
23	114 B. Draconis	8	44 11.83	− 1.03	−30.22	17 56	......	....	. ....	16 43 40.58	.....	+56 56	....
24	κ Ophiuchi	8	54 3.31	− 0.48	**−30.27**	330 32 14.42	44.438	+ 4.34	− 31.6	16 53 32.61	.....	+ 9 30 32.0	....
	June 24, P.												
25	Sun I, N	8	11 28.66	− 0.50	−30.50	344 42 11.90	45.358	+ 3.54	− 14.9	6 10 57.66	+68.86	+23 41 6.7	....
26	Sun II, S	8	13 46.39	− 0.50	−30.50	344 10 10.20	46.878	+ 3.54	− 15.5	6 13 15.39	−68.87	+23 9 38.4	....
27	Mercury I, C	8	51 4.14	− 0.50	−30.51	345 44 9.20	44.772	+ 3.90	− 13.9	6 50 33.13	+ 0.19	+24 42 51.8	....
28	Moon I, N	8	35 11.29	− 0.43	−30.69	303 10 13.12	43.890	+ 4.58	−1 24.4	14 34 40.17	+66.39	−17 52 35.0	....
29	ε Boötis	8	41 42.04	− 0.54	**−30.70**	348 28 11.02	43.998	+ 4.58	− 11.3	14 41 10.81	.....	+27 26 38.6	....
30	α Libræ	8	46 33.62	− 0.42	**−30.66**	305 22 13.62	42.888	+ 4.58	−1 17.8	14 46 2.51	.....	−15 40 50.4	....
31	ψ Boötis	8	1 13.94	− 0.54	**−30.71**	348 18 12.72	45.818	+ 4.58	− 11.4	15 0 42.71	.....	+27 17 21.8	....
32	β Libræ	8	12 49.42	− 0.42	**−30.65**	311 58 11.00	45.140	+ 4.58	−1 1.5	15 12 18.30	.....	− 9 3 44.4	....
33	α Coronæ Borealis	8	31 31.28	− 0.54	**−30.74**	348 2 11.72	43.738	+ 4.58	− 11.7	15 31 0.04	.....	+27 0 33.0	....
34	α Serpentis	8	40 29.38	− 0.45	**−30.72**	327 44 14.70	43.078	+ 4.58	− 35.0	15 39 58.22	.....	+ 6 41 58.0	....
	June 25, P.												
35	β Aquarii	8	27 29.57	− 0.46	**−31.23**	315 4 11.58	45.580	+ 4.69	− 55.4	21 26 57.87	.....	− 5 57 28.3	....
36	ε Pegasi	8	40 25.58	− 0.50	**−31.28**	330 30 11.22	43.870	+ 4.69	− 31.4	21 39 53.84	.....	+ 9 28 16.2	....
37	16 Pegasi	8	49 36.98	− 0.58	**−31.23**	346 32 11.80	43.845	+ 4.69	− 13.3	21 49 5.15	.....	+25 30 34.6	....
38	α Aquarii	8	1 49.59	− 0.47	**−31.24**	320 16 11.98	46.925	+ 4.69	− 46.2	22 1 17.87	.....	− 0 44 48.0	....
39	θ Pegasi	8	6 19.33	− 0.49	**−31.28**	326 48 12.18	43.085	+ 4.69	− 36.4	22 5 47.59	.....	+ 5 45 54.9	....
40	θ Aquarii	7	12 45.19	− 0.46	**−31.23**	312 48 12.58	46.430	+ 4.69	−1 0.0	22 12 13.48	.....	− 8 13 11.5	....
41	α Ursæ Minoris	7	28 16.44	−28.60	−31.32	49 50 10.75	44.232	+ 4.12	+1 5.6	1 27 16.52	.....	+88 50 0.9	....
	June 26, P.												
42	Sun I, S	8	19 48.01	− 0.52	−31.41	344 8 9.58	43.648	+ 4.03	− 15.3	6 19 16.08	+68.87	+23 6 24.7	....
43	Sun II, N	8	22 5.75	− 0.52	−31.41	344 40 5.18	42.438	+ 4.03	− 14.8	6 21 33.82	−68.87	+23 37 53.7	....
	June 28, P.												
44	Sun I	8	28 7.02	− 0.50	−32.33	344 20	......	....	. ....	6 27 34.19	+68.79	.. ..	....
45	Sun II	8	30 24.61	− 0.50	−32.33	... .	......	....	. ....	6 29 51.78	−68.80	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 20 48	29.888	64.8	63.2
21 10	....	....	63.3
21 27	....	....	62.2
21 50	29.900	63.8	61.8
1 20	....	....	65.1
1 28	29.974	67.8	....
22 6 5	30.004	78.2	78.0
6 32	30.000	79.0	78.1
23 15 2	30.012	69.0	68.1
15 15	....	....	68.0
15 45	30.002	69.0	68.0
16 23	....	....	67.5
16 35	....	....	67.5
16 55	29.996	68.0	67.3
24 6 14	30.040	79.8	79.7
6 51	30.024	80.0	80.0
14 33	[illegible]	74.0	72.6
14 50	....	....	72.5
15 15	....	....	72.0
15 42	29.966	72.7	71.0
25 21 25	29.790	68.1	67.0
21 47	....	....	67.0
22 14	29.790	68.0	67.0
1 28	29.816	72.0	71.0
26 6 22	29.828	82.3	82.1

Micrometer bisections are made at II, VI, except as noted below.

8. Bisections at b_6, b_7.
9, 17, 25, 42. Bisections at I, II.
10, 26, 43. Bisections at VI, VII.
11, 19, 27. Bisections at I, II, VI, VII.
19. Z. D. threads A used.
28. Bisections at II, III, V, VI.
41. Bisections at $9^{r}.5$, $10^{r}.5$.

Note.
28–34, 41. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 2.2	−15 44.2	...	−15 42.0
10	+ 2.3	+15 44.2	...	+15 46.5
11	+ 1.6	.. ....	0.0	+ 1.6
19	+ 1.7	.. ....	...	+ 1.7
25	+ 2.2	−15 44.1	...	−15 41.9
26	+ 2.3	+15 44.1	...	+15 46.4
27	+ 1.6	.. ....	0.0	+ 1.6
28	+46 44.8	−15 18.2	...	+31 26.6
42	+ 2.3	+15 44.5	...	+15 46.8
43	+ 2.3	−15 44.5	...	−15 42.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Virginis	8	21 7.69	− 0.42	[**−32.44**]	310 20 10.70	43.765	+ 4.65	−1 4.9	13 20 34.81	.....	−10 42 20.2	....
2	α Ursæ Minoris s. p.	8	27 24.95	+28.57	−32.46	52 10 11.48	43.850	+ 4.65	+1 11.2	1 27 21.06	.....	+88 50 1.2	....
3	ε Boötis	8	41 43.78	− 0.56	**−32.46**	348 28 11.72	43.972	+ 4.65	− 11.3	14 41 10.73	.....	+27 26 38.8	....
4	α Libræ	8	46 35.38	− 0.42	**−32.44**	305 22 14.98	42.830	+ 4.65	−1 17.8	14 46 2.47	.....	−15 40 50.3	....
5	ψ Boötis	8	1 15.72	− 0.56	**−32.50**	348 18 10.72	45.940	+ 4.65	− 11.4	15 0 42.67	.....	+27 17 22.7	....
6	β Libræ	8	12 51.25	− 0.42	**−32.49**	311 58 12.98	45.055	+ 4.65	−1 1.5	15 12 18.33	.....	− 9 3 44.2	....
7	α Coronæ Borealis	8	31 33.06	− 0.55	**−32.54**	348 2 12.28	43.745	+ 4.65	− 11.7	15 31 0.01	.....	+27 0 33.8	....
8	φ Herculis	8	6 35.68	− 0.75	−32.51	6 10	......	....	. ....	16 6 2.42	.....	+45 9	....
9	τ Herculis	8	17 41.64	− 0.77	−32.52	7 32	......	....	. ....	16 17 8.35	.....	+46 31	....
10	α Herculis	8	11 13.57	− 0.48	**−32.57**	335 30 11.35	46.245	+ 4.65	− 25.3	17 10 40.56	.....	+14 29 17.0	....
11	α Ophiuchi	8	31 26.46	− 0.48	**−32.54**	333 38 10.02	46.382	+ 4.65	− 27.5	17 30 53.44	.....	+12 37 16.8	....
12	β Ophiuchi	8	39 43.04	− 0.45	**−32.55**	325 38 13.10	43.562	+ 4.65	− 38.0	17 39 10.05	.....	+ 4 36 4.9	....
13	72 Ophiuchi	8	3 46.21	− 0.46	**−32.57**	330 34 11.30	45.590	+ 4.65	− 31.3	18 3 13.20	.....	+ 9 32 55.6	....
14	Moon I, S	8	13 13.96	− 0.44	−32.55	291 42 10.88	48.238	+ 4.65	−2 18.2	18 12 40.97	+70.03	−29 19 50.4	....
	June 29, M.												
15	Sun I, S	8	32 15.84	− 0.49	−32.72	344 0 1.72	44.148	+ 4.09	− 15.4	6 31 42.63	+68.78	+22 58 27.9	....
16	Sun II, N	7	34 33.40	− 0.49	−32.72	344 32 1.55	42.732	+ 4.09	− 14.9	6 34 0.19	−68.78	+23 29 56.8	....
17	Mercury I, C	8	34 48.96	− 0.48	−32.74	344 38 2.78	45.565	+ 3.86	− 14.7	7 34 15.74	+ 0.20	+23 37 2.9	....
18	Jupiter I, C	4	22 33.55	− 0.37	−32.91	300 12 11.40	42.490	+ 5.12	−1 33.3	16 22 0.27	+ 1.55	−20 49 33.0	....
19	Jupiter II	4	22 36.65	− 0.37	−32.91	... .	......	....	. ....	16 22 3.37	− 1.55	.. ..	....
20	η Ophiuchi	8	5 55.78	− 0.37	**−32.91**	305 26 10.90	42.050	+ 5.12	−1 16.6	17 5 22.49	.....	−15 37 10.6	....
21	α Herculis	8	11 13.91	− 0.44	**−32.95**	335 30 11.75	46.235	+ 5.12	− 24.9	17 10 40.55	.....	+14 29 18.0	....
22	α Ophiuchi	8	31 26.77	− 0.44	**−32.89**	333 38 8.95	46.412	+ 5.12	− 27.0	17 30 53.40	.....	+12 37 17.4	....
23	β Ophiuchi	8	38 43.39	− 0.41	**−32.93**	325 38 10.82	43.620	+ 5.12	− 37.3	17 38 10.05	.....	+ 4 36 5.1	....
24	μ Herculis	8	43 36.81	− 0.53	**−32.97**	348 48 11.00	42.790	+ 5.12	− 10.8	17 43 3.35	.....	+27 46 12.1	....
25	η Serpentis	8	17 21.34	− 0.39	**−32.94**	318 6 11.60	45.342	+ 5.12	− 49.0	18 16 48.00	.....	− 2 55 26.8	....
26	Moon II, S	8	11 35.59	− 0.39	−32.96	292 28 11.22	44.259	+ 5.12	−2 11.0	19 11 2.24	−69.22	−28 35 13.8	....
	June 30, P.												
27	θ Aquarii	8	12 47.66	− 0.41	**−33.60**	312 48 9.28	46.680	+ 3.65	−1 0.9	22 12 13.62	.....	− 8 13 11.0	....
28	γ Aquarii	8	17 42.76	− 0.42	**−33.58**	319 12 10.12	44.605	+ 3.65	− 48.7	22 17 8.71	.....	− 1 49 46.0	....
29	3 Lacertæ	8	20 41.77	− 0.79	−33.63	12 48	......	....	. ....	22 20 7.35	.....	+51 47	....
30	7 Lacertæ	8	28 15.71	− 0.76	−33.63	10 50	......	....	. ....	22 27 41.32	.....	+49 49	....
31	η Aquarii	8	31 26.16	− 0.42	**−33.68**	320 28	......	....	. ....	22 30 52.11	.....	− 0 34	....
32	ζ Pegasi	4	37 40.18	− 0.44	**−33.55**	331 24	......	....	. ....	22 37 6.11	.....	+10 22	....
33	η Pegasi	4	39 28.36	− 0.53	**−33.70**	350 48	......	....	. ....	22 38 54.20	.....	+29 45	....
34	λ Pegasi	7	42 53.28	− 0.49	**−33.68**	344 8	......	....	. ....	22 42 19.15	.....	+23 6	....
	July 1, P.												
35	Sun I, N	8	40 33.65	− 0.51	−33.78	344 24 5.62	44.480	+ 3.28	− 15.6	6 39 59.36	+68.74	+23 22 38.7	....
36	Sun II, S	8	42 51.14	− 0.51	−33.78	343 52 6.68	45.880	+ 3.28	− 16.1	6 42 16.85	−68.75	+22 51 10.9	....
37	Mercury I, C	8	51 1.73	− 0.50	−33.80	343 58 7.08	44.130	+ 3.43	− 16.0	7 50 27.43	+ 0.20	+22 56 31.9	....
38	δ Ophiuchi	8	10 20.70	− 0.44	**−33.91**	317 34 10.32	43.395	+ 3.72	− 51.4	16 9 46.31	.....	− 3 28 16.5	....
39	ε Ophiuchi	8	14 16.62	− 0.44	**−33.94**	316 32 8.00	47.220	+ 3.72	− 53.3	16 13 42.23	.....	− 4 28 53.3	....
40	Jupiter I, C	6	21 47.96	− 0.46	−33.96	300 14 11.35	41.216	+ 3.72	−1 36.2	16 21 13.54	+ 1.64	−20 48 6.7	....
41	Jupiter II	5	21 51.24	− 0.46	−33.96	... .	......	....	. ....	16 21 16.82	− 1.64	.. ..	....
42	α Scorpii	8	24 37.65	− 0.47	−33.96	294 48 7.82	46.035	+ 3.72	−2 1.1	16 24 3.22	.....	−26 14 28.4	....
43	ζ Ophiuchi	8	32 55.66	− 0.44	**−34.00**	310 38 8.90	45.925	+ 3.72	−1 5.6	16 32 21.26	.....	−10 23 33.7	....
44	κ Ophiuchi	8	54 7.04	− 0.46	**−34.00**	330 32 10.80	44.685	+ 3.72	− 31.9	16 53 32.61	.....	+ 9 30 33.2	....
45	η Ophiuchi	8	5 56.91	− 0.45	**−33.95**	305 26 10.55	42.242	+ 3.72	−1 19.2	17 5 22.49	.....	−15 37 10.6	....
	July 2, M.												
46	Sun I, N	8	44 41.98	− 0.55	−34.14	344 20 5.15	43.788	+ 3.10	− 15.5	6 44 7.29	+68.67	+23 18 22.5	....
47	Sun II, S	8	46 59.31	− 0.55	−34.14	343 48 6.12	45.195	+ 3.10	− 16.1	6 46 24.62	−68.66	+22 46 54.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 13 19	......	....	73.8
13 32	29.932	74.0	73.1
14 39	29.918	72.8	72.0
14 56	......	....	72.0
15 14	29.912	72.8	71.6
15 33	29.950	72.2	71.3
17 9	29.924	71.8	70.3
17 34	......	....	70.0
18 2	......	....	70.0
18 16	29.920	71.0	70.0
29 6 35	29.886	84.2	85.0
7 35	29.874	85.8	86.1
16 23	29.786	77.7	76.8
17 11	......	....	76.2
17 31	......	....	75.8
17 44	......	....	76.1
18 17	29.780	76.3	76.1
19 12	29.784	76.3	76.2
30 22 10	30.004	65.0	63.0
1 6 43	30.124	71.3	71.1
7 51	30.116	72.1	72.6
16 7	30.132	68.3	67.0
16 35	......	....	66.0
16 58	......	....	65.6
17 8	30.140	67.1	65.5
2 6 47	30.200	76.2	76.0

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at 9.5, 10.5.
14, 26.	Bisections at II, III, V, VI.
15, 35, 46.	Bisections at I, II.
16, 36, 42, 47.	Bisections at VI, VII.
17, 18, 37, 40.	Bisections at I, II, VI, VII.
18, 40.	Z. D. threads A used.

Notes.

18.	Degrees of circle reading assumed.
24, 25, 27–34, 44.	Clouds.
42.	Hazy.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
14	+50 22.0	+14 50.5	...	+65 12.5
15	+ 2.4	+15 44.4	...	+15 46.8
16	+ 2.3	−15 44.4	...	−15 42.1
17	+ 1.8	.. ....	0.0	+ 1.8
18	+ 1.7	.. ....	...	+ 1.7
26	+49 53.8	+14 46.9	...	+64 40.7
35	+ 2.3	−15 43.8	...	−15 41.5
36	+ 2.4	+15 43.9	...	+15 46.3
37	+ 2.0	.. ....	0.0	+ 2.0
40	+ 1.6	.. ....	...	+ 1.6
46	+ 2.3	−15 43.8	...	−15 41.5
47	+ 2.4	+15 43.8	...	+15 46.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury I, C	8	58 50.34	− 0.55	−34.15	343 34 6.12	47.458	+ 2.86	− 16.2	7 58 15.64	+ 0.20	+22 33 45.7	....
2	α Virginis	8	21 9.42	− 0.47	[**−34.15**]	310 20 4.50	44.062	+ 4.26	−1 5.2	13 20 34.71	.....	−10 42 20.3	....
3	α Ursæ Minoris s. p.	7	27 33.61	+27.01	−34.24	52 10 5.98	44.088	+ 4.26	+1 11.6	1 27 26.38	.....	+88 50 1.0	....
4	ψ Boötis	8	1 17.44	− 0.58	**−34.24**	348 18 7.75	46.108	+ 4.26	− 11.5	15 0 42.59	.....	+27 17 23.1	....
5	β Libræ	8	12 53.08	− 0.47	**−34.29**	311 58 7.12	45.390	+ 4.26	−1 2.0	15 12 18.34	.....	− 9 3 43.3	....
6	α Coronæ Borealis	8	31 34.84	− 0.58	**−34.32**	348 2 6.12	44.058	+ 4.26	− 11.8	15 30 59.98	.....	+27 0 34.3	....
7	α Serpentis	8	40 32.94	− 0.49	**−34.26**	327 44 8.22	43.432	+ 4.26	− 35.3	15 39 58.17	.....	+ 6 41 59.0	....
8	β Serpentis	7	42 44.48	− 0.52	**−34.17**	336 42 9.42	47.410	+ 4.26	− 24.1	15 42 9.68	.....	+15 41 42.0	....
9	ε Serpentis	8	47 2.68	− 0.48	**−34.19**	325 46 8.02	44.598	+ 4.26	− 38.1	15 46 27.92	.....	+ 4 44 22.4	....
10	Jupiter I, C	4	21 26.07	− 0.48	−34.29	300 14 8.58	43.070	+ 4.26	−1 35.8	16 20 51.30	+ 1.54	−20 47 26.2	....
11	Jupiter II	4	21 29.15	− 0.48	−34.29	... .	......	....	. ....	16 20 54.38	− 1.54	.. ..	....
	July 2, P.												
12	Uranus C, C	8	19 30.66	− 0.46	−34.43	300 48 6.75	45.200	+ 4.67	−1 34.2	20 18 55.77	.....	−20 14 19.5	....
13	ε Delphini	8	29 37.86	− 0.49	**−34.45**	332 2 10.82	43.642	+ 4.67	− 29.9	20 29 2.93	.....	+11 0 11.8	....
14	α Delphini	8	36 10.33	− 0.51	**−34.45**	336 38 10.38	42.975	+ 4.67	− 24.3	20 35 35.38	.....	+15 36 2.2	....
15	μ Aquarii	8	48 32.06	− 0.46	**−34.49**	311 44 10.58	42.478	+ 4.67	−1 3.1	20 47 57.16	.....	− 9 18 47.5	....
16	32 Vulpeculæ	8	51 25.76	− 0.57	**−34.56**	348 44 10.12	45.708	+ 4.67	− 11.2	20 50 50.75	.....	+27 43 16.9	....
17	ζ Cygni	8	9 48.56	− 0.59	**−34.45**	350 52 9.20	47.175	+ 4.67	− 9.0	21 9 13.52	.....	+29 51 51.9	....
18	β Aquarii	8	27 32.99	− 0.46	**−34.47**	315 4 9.65	45.775	+ 4.67	− 56.2	21 26 58.07	.....	− 5 57 26.6	....
19	Moon II, N	8	46 0.78	− 0.47	−34.46	302 34 11.78	45.085	+ 4.67	−1 28.1	21 45 25.85	−64.13	−18 28 12.9	....
	July 3, P.												
20	Sun I, S	8	48 50.22	− 0.50	−34.62	343 44 3.20	43.508	+ 4.56	− 15.9	6 48 15.10	+68.68	+22 42 14.4	....
21	Sun II, N	8	51 7.58	− 0.50	−34.62	344 15 59.00	42.252	+ 4.56	− 15.4	6 50 32.46	−68.68	+23 13 42.7	....
22	Mercury I, C	8	6 27.09	− 0.50	−34.65	343 10 12.05	46.445	+ 4.46	− 16.4	8 5 51.94	+ 0.20	+22 9 30.4	....
23	ψ Boötis	8	1 17.90	− 0.56	**−34.73**	348 18 11.90	45.865	+ 5.35	− 11.3	15 0 42.57	.....	+27 17 22.9	....
24	β Libræ	8	12 53.51	− 0.42	**−34.77**	311 58 11.58	45.085	+ 5.35	−1 1.0	15 12 18.32	.....	− 9 3 43.7	....
25	α Coronæ Borealis	8	31 35.30	− 0.55	**−34.82**	348 2 10.75	43.805	+ 5.35	− 11.6	15 30 59.97	.....	+27 0 34.4	....
26	α Serpentis	8	40 33.42	− 0.45	**−34.79**	327 44 12.30	43.180	+ 5.35	− 34.8	15 39 58.19	.....	+ 6 41 58.9	....
27	β Serpentis	8	42 45.04	− 0.49	**−34.76**	336 42 13.05	47.180	+ 5.35	− 23.7	15 42 9.77	.....	+15 41 41.8	....
28	ε Serpentis	8	47 3.23	− 0.45	**−34.78**	325 46 12.28	44.362	+ 5.35	− 37.5	15 46 28.00	.....	+ 4 44 23.0	....
	July 4, P.												
29	α Aquarii	8	1 53.98	− 0.47	**−35.38**	320 16 9.12	47.045	+ 6.18	− 46.0	22 1 18.11	.....	− 0 44 46.3	....
30	θ Pegasi	8	6 23.70	− 0.48	**−35.41**	326 48 10.58	43.150	+ 6.18	− 36.3	22 5 47.82	.....	+ 5 45 56.4	....
31	θ Aquarii	8	12 49.62	− 0.45	**−35.40**	312 48 7.75	46.638	+ 6.18	− 59.8	22 12 13.77	.....	− 8 13 9.8	....
32	3 Lacertæ	8	20 43.85	− 0.91	−35.40	12 48 9.52	44.240	+ 6.18	+ 12.7	22 20 7.54	.....	+51 47 9.2	....
33	7 Lacertæ	8	28 17.74	− 0.87	−35.40	10 50 8.80	45.738	+ 6.18	+ 10.7	22 27 41.47	.....	+49 49 40.4	....
34	η Aquarii	8	31 28.06	− 0.47	**−35.41**	320 28 12.40	43.210	+ 6.18	− 45.7	22 30 52.18	.....	− 0 34 10.0	....
35	η Pegasi	8	39 30.26	− 0.61	**−35.40**	350 48 10.22	41.150	+ 6.18	− 9.0	22 38 54.24	.....	+29 45 37.1	....
36	λ Pegasi	8	42 55.21	− 0.56	**−35.42**	344 8 15.75	42.602	+ 6.18	− 15.8	22 42 9.24	.....	+23 6 8.7	....
37	Moon II, N	8	17 17.11	− 0.47	−35.42	313 6 9.45	43.015	+ 6.18	− 59.3	23 16 41.22	−62.09	− 7 56 31.1	....
38	α Ursæ Minoris	7	28 30.34	−28.12	−35.46	49 50 13.62	44.100	+ 5.48	+1 5.7	1 27 26.76	.....	+88 50 2.3	....
	July 5, P.												
39	Sun I	8	57 5.81	− 0.56	−35.55	343 50	......	....	. ....	6 56 29.70	+68.53	.. ..	....
40	Sun II	8	59 22.87	− 0.56	−35.55	... .	......	....	. ....	6 58 46.76	−68.53	.. ..	....
41	Mercury I, C	8	21 4.96	− 0.53	−35.58	342 18 3.58	45.526	+ 5.55	− 17.2	8 20 28.85	+ 0.21	+21 17 1.9	....
42	α Virginis	8	21 10.82	− 0.43	[**−35.62**]	310 20 8.25	43.740	+ 6.37	−1 4.0	13 20 34.73	.....	−10 42 20.6	....
43	α Ursæ Minoris s. p.	8	27 34.37	+28.58	−35.66	52 10 8.40	43.950	+ 6.37	+1 10.3	1 27 27.29	.....	+88 50 1.1	....
44	ψ Boötis	8	1 18.89	− 0.58	**−35.72**	348 18 10.65	45.885	+ 6.37	− 11.3	15 0 42.62	.....	+27 17 23.2	....
45	β Libræ	8	12 54.41	− 0.43	**−35.67**	311 58 11.52	45.045	+ 6.37	−1 1.1	15 12 18.29	.....	− 9 3 43.8	....
46	α Coronæ Borealis	8	31 36.22	− 0.58	**−35.72**	348 2 12.70	43.670	+ 6.37	− 11.6	15 30 59.94	.....	+27 0 34.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 7 59	30.200	78.5	77.5
13 21	30.140	76.1	74.7
15 1	30.140	72.8	71.2
15 32	......	....	70.2
15 47	30.150	71.3	69.7
16 21	30.140	70.4	68.9
20 17	30.124	67.5	66.0
20 38	......	....	66.0
20 54	30.116	67.1	65.9
21 30	......	....	65.5
21 46	......	....	65.1
21 47	30.115	67.0	....
3 6 51	30.110	81.8	81.7
8 6	30.082	83.0	83.2
14 59	30.002	78.0	76.6
15 30	......	....	75.9
15 48	30.000	76.3	75.0
4 21 59	29.916	72.9	71.0
22 25	......	....	70.9
22 44	29.920	72.0	70.5
23 18	29.928	71.3	70.0
1 32	29.950	73.0	72.5
5 8 21	30.000	86.1	86.8
13 19	......	....	82.2
13 31	29.988	82.1	81.2
14 59	30.000	78.1	76.5
15 30	......	....	75.7

Micrometer bisections are made at II, VI, except as noted below.

1, 10, 12, 22, 41. Bisections at I, II, VI, VII.
3, 38, 43. Bisections at $\overset{r}{9.5}$,$\overset{r}{10.5}$.
10. Z. D. threads A used.
19, 37. Bisections at II, III, V, VI.
20, 33. Bisections at I, II.
21. Bisections at VI, VII.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.0	.. ....	0.0	+ 2.0
10	+ 1.6	.. ....	...	+ 1.6
12	+ 0.4	.. ....	...	+ 0.4
19	+45 24.3	−14 45.9	...	+30 38.4
20	+ 2.4	+15 44.1	...	+15 46.5
21	+ 2.3	−15 44.1	...	−15 41.8
22	+ 2.1	.. ....	0.0	+ 2.1
37	+39 43.9	−14 55.8	...	+24 48.1
41	+ 2.3	.. ....	− 0.1	+ 2.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Serpentis	8	40 34.35	− 0.47	−35.70	327 44 12.85	43.112	+ 6.37	− 34.8	15 39 58.18	.....	+ 6 41 58.9	....
2	β Serpentis	8	42 45.92	− 0.51	−35.63	336 42 11.98	47.208	+ 6.37	− 23.7	15 42 9.71	.....	+15 41 42.5	....
3	ε Serpentis	8	47 4.09	− 0.46	−35.63	325 46 12.22	44.320	+ 6.37	− 37.5	15 46 27.93	.....	+ 4 44 23.0	....
	July 5, M.												
4	ζ Cygni	8	9 49.95	− 0.63	−35.73	350 52 13.15	46.945	+ 6.90	− 29.0	21 9 13.58	.....	+29 51 52.7	....
5	β Aquarii	8	27 34.38	− 0.46	−35.78	315 4 14.82	45.455	+ 6.90	− 55.8	21 26 58.18	.....	− 5 57 26.1	....
6	ε Pegasi	8	40 30.32	− 0.50	−35.76	330 30 15.12	43.722	+ 6.90	− 31.7	21 39 54.07	.....	+ 9 28 18.6	....
7	16 Pegasi	8	49 41.82	− 0.60	−35.78	346 32 6.95	44.092	+ 6.90	− 13.4	21 49 5.47	.....	+25 30 37.5	....
8	α Aquarii	6	1 54.37	− 0.47	−35.75	320 16 6.42	47.205	+ 6.90	− 46.5	22 1 18.15	.....	− 0 44 45.2	....
9	θ Pegasi	8	6 24.11	− 0.49	−35.79	326 48 6.00	43.390	+ 6.90	− 36.7	22 5 47.87	.....	+ 5 45 57.7	....
10	Moon II, N	8	1 39.31	− 0.48	−35.79	319 0 8.02	45.045	+ 5.94	− 48.9	0 1 3.04	−62.19	− 2 1 35.8	....
11	θ Ceti	8	20 14.96	− 0.46	[−35.80]	312 24 8.95	44.560	+ 5.94	−1 1.2	1 19 38.68	.....	− 8 37 58.2	....
12	α Ursæ Minoris	8	28 22.63	−28.18	−35.82	49 50 9.68	44.175	+ 5.94	+1 6.5	1 27 28.63	.....	+88 50 1.4	....
	July 6, M.												
13	Sun I, S	8	1 12.99	− 0.61	−35.92	343 26 6.45	47.548	+ 4.94	− 16.2	7 0 36.46	+68.46	+22 25 50.3	....
14	Sun II, N	8	3 29.91	− 0.61	−35.92	343 58 14.52	45.830	+ 4.94	− 15.6	7 2 53.38	−68.46	+22 57 20.2	....
15	Mercury I, C	8	28 6.21	− 0.62	−35.95	341 50 9.55	45.330	+ 5.38	− 17.8	8 27 29.64	+ 0.21	+20 49 2.5	....
16	α Virginis	8	21 11.26	− 0.46	[−36.04]	310 20 4.68	43.925	+ 6.20	−1 4.1	13 20 34.76	.....	−10 42 20.2	....
17	α Ursæ Minoris s. p.	8	27 36.74	+28.45	−36.04	52 10 4.98	44.080	+ 6.20	+1 10.4	1 27 29.15	.....	+88 50 1.8	....
18	ψ Boötis	8	1 19.18	− 0.61	−35.99	348 18 6.30	46.102	+ 6.20	− 11.3	15 0 42.50	.....	+27 17 23.6	....
19	β Libræ	8	12 54.82	− 0.46	−36.06	311 58 9.18	45.185	+ 6.20	−1 1.1	15 12 18.28	.....	− 9 3 43.1	....
20	α Coronæ Borealis	8	31 36.63	− 0.61	−36.11	348 2 6.95	43.970	+ 6.20	− 11.7	15 30 59.94	.....	+27 0 35.2	....
21	α Serpentis	8	40 34.79	− 0.50	−36.12	327 44 7.75	43.400	+ 6.20	− 34.8	15 39 58.20	.....	+ 6 42 0.3	....
22	β Serpentis	8	42 46.39	− 0.54	−36.08	336 42 5.98	47.485	+ 6.20	− 23.7	15 42 9.76	.....	+15 41 42.6	....
23	ε Serpentis	8	47 4.51	− 0.49	−36.03	325 46 6.12	44.598	+ 6.20	− 37.6	15 46 27.93	.....	+ 4 44 22.9	....
	July 6, P.												
24	Uranus C, C	8	18 55.89	− 0.47	−36.24	300 46 12.90	44.699	+ 6.53	−1 33.6	20 18 19.18	.....	−20 16 22.9	....
25	ε Delphini	8	29 39.78	− 0.52	−36.27	332 2 16.50	43.342	+ 6.53	− 29.7	20 29 3.02	.....	+11 0 12.7	....
26	μ Aquarii	8	48 33.94	− 0.47	−36.27	311 44 14.52	42.225	+ 6.53	−1 2.6	20 47 57.22	.....	− 9 18 47.0	....
27	β Aquarii	8	27 34.91	− 0.48	−36.27	315 4 15.65	45.455	+ 6.53	− 55.8	21 26 58.17	.....	− 5 57 25.6	....
28	ε Pegasi	8	40 30.89	− 0.51	−36.30	330 30 15.48	43.715	+ 6.53	− 31.7	21 39 54.12	.....	+ 9 28 18.5	....
29	θ Aquarii	8	12 50.59	− 0.47	−36.30	312 48 15.48	46.318	+ 6.53	−1 0.4	22 12 13.85	.....	− 8 13 9.7	....
30	ζ Pegasi	8	37 43.14	− 0.52	−36.26	331 24 16.20	43.832	+ 6.53	− 30.5	22 37 6.34	.....	+10 22 22.8	....
31	α Pegasi	8	1 1.24	− 0.53	−36.30	335 46 17.18	42.455	+ 6.53	− 25.2	23 0 24.42	.....	+14 43 58.0	....
32	Moon II, N	8	46 44.54	− 0.48	−36.32	325 6 14.40	46.890	+ 5.94	− 39.0	0 46 7.74	−63.17	+ 4 5 22.1	....
	July 7, M.												
33	o¹ Cygni	7	11 31.47	− 0.85	−36.59	7 30	......	....	. ....	20 10 54.03	.....	+46 28	....
34	α² Capricorni	8	13 50.35	− 0.47	−36.61	308 12 6.62	47.420	+ 6.79	−1 10.1	20 13 13.29	.....	−12 49 3.7	....
35	Uranus C, C	8	18 46.91	− 0.47	−36.59	300 46 5.82	43.584	+ 6.79	−1 32.6	20 18 9.85	.....	−20 16 54.2	....
36	ε Delphini	8	29 40.10	− 0.53	−36.56	332 2 8.00	43.732	+ 6.79	− 29.4	20 29 2.97	.....	+11 0 13.7	....
37	α Delphini	8	36 12.68	− 0.55	−36.66	336 38 7.62	43.040	+ 6.79	− 23.9	20 35 35.53	.....	+15 36 3.5	....
38	α Cygni	8	39 5.66	− 0.82	−36.60	5 58	......	....	. ....	20 38 28.24	.....	+44 57	....
39	μ Aquarii	8	48 34.29	− 0.48	−36.59	311 44 7.92	42.490	+ 6.79	−1 2.0	20 47 57.21	.....	− 9 18 46.6	....
40	32 Vulpeculæ	8	51 28.03	− 0.63	−36.58	348 44 10.00	45.690	+ 6.79	− 11.0	20 50 50.80	.....	+27 43 18.7	....
41	ζ Cygni	8	9 50.88	− 0.65	−36.60	350 52 7.32	47.232	+ 6.79	− 8.9	21 9 13.62	.....	+29 51 53.5	....
42	θ Ceti	8	20 15.92	− 0.46	[−36.70]	312 24 10.02	44.505	+ 6.23	−1 0.6	1 19 38.77	.....	− 8 37 57.4	....
43	α Ursæ Minoris	7	28 35.47	−28.00	−36.69	49 50 11.65	44.142	+ 6.23	+1 5.8	1 27 30.78	.....	+88 50 2.1	....
44	Moon II, N	8	33 53.58	− 0.52	−36.69	331 14 10.82	44.208	+ 6.23	− 30.4	1 33 16.37	−65.11	+10 12 26.0	....
	July 8, M.												
45	Sun I, S	8	9 26.43	− 0.61	−36.82	343 14 8.68	45.050	+ 6.43	− 16.1	7 8 49.00	+68.44	+22 12 57.3	....
46	Sun II, N	8	11 43.31	− 0.61	−36.82	343 46 4.18	43.835	+ 6.43	− 15.6	7 11 5.88	−68.44	+22 44 25.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 15 49	30.020	76.2	75.0
21 10	30.050	69.6	67.8
21 41	......	....	67.7
22 6	30.050	69.2	67.3
0 2	30.068	67.5	65.8
1 20	30.088	69.5	68.7
6 7 3	30.125	83.5	83.1
8 28	30.110	86.6	85.0
13 21	30.070	82.3	82.1
15 1	30.062	78.8	77.2
15 32	......	....	76.1
15 47	30.064	77.4	75.3
20 17	30.064	71.0	69.0
20 32	......	....	69.0
20 51	......	....	69.0
21 30	30.050	70.0	68.2
21 43	......	....	68.0
22 16	30.040	70.0	68.0
22 43	30.030	70.0	68.0
23 3	30.028	69.8	68.0
0 47	30.056	70.0	68.9
7 20 14	29.988	74.4	73.1
20 49	......	....	72.3
21 10	29.978	74.4	72.2
1 20	......	....	72.2
1 35	30.010	73.8	73.3
8 7 12	30.008	88.3	88.9

Micrometer bisections are made at II, VI, except as noted below.

10, 32, 44. Bisections at II, III, V, VI.

12, 17. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
13, 45. Bisections at I, II.
14, 46. Bisections at VI, VII.
15, 24, 35. Bisections at I, II, VI, VII.

43. Two bisections at $9^{\mathrm{r}}.0$.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+36 0.3	−15 4.4	...	+20 55.9
13	+ 2.4	+15 44.9	...	+15 47.3
14	+ 2.4	−15 45.0	...	−15 42.6
15	+ 2.3	.. ....	− 0.1	+ 2.2
24	+ 0.4	.. ....	...	+ 0.4
32	+31 44.3	−15 15.7	...	+16 28.6
35	+ 0.4	.. ....	...	+ 0.4
44	+27 3.4	−15 29.2	...	+11 34.2
45	+ 2.5	+15 44.0	...	+15 46.5
46	+ 2.4	−15 44.0	...	−15 41.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Mercury I, C	8	41 33.48	− 0.60	−36.85	340 52 2.45	43.400	+ 5.94	− 18.5	8 40 56.03	+ 0.21	+19 50 11.5	....
2	α Virginis	8	21 12.11	− 0.45	**[−36.92]**	310 20 3.68	43.895	+ 6.72	−1 3.2	13 20 34.70	.....	−10 42 20.5	....
3	α Ursæ Minoris S. P.	8	27 41.24	+27.17	−36.96	52 10 4.95	44.125	+ 6.72	+1 9.4	1 27 31.45	.....	+88 50 1.1	....
4	β Libræ	8	12 55.70	− 0.45	**−36.96**	311 58 4.78	45.310	+ 6.72	−1 0.3	15 12 18.25	.....	− 9 3 43.3	....
5	α Coronæ Borealis	8	31 37.54	− 0.59	**−37.06**	348 2 6.08	43.968	+ 6.72	− 11.5	15 30 59.95	.....	+27 0 35.0	....
6	α Serpentis	8	40 35.64	− 0.49	**−36.99**	327 44 6.55	43.398	+ 6.72	− 34.4	15 39 58.14	.....	+ 6 41 59.9	....
7	ε Serpentis	8	47 5.45	− 0.48	**−36.99**	325 46 4.45	44.638	+ 6.72	− 37.1	15 46 27.96	.....	+ 4 44 23.2	....
8	δ Ophiuchi	8	10 23.77	− 0.46	**−36.98**	317 34 7.10	43.358	+ 6.72	− 49.9	16 9 46.29	.....	− 3 28 16.1	....
9	ε Ophiuchi	8	14 19.68	− 0.46	**−37.00**	316 32 6.55	47.082	+ 6.72	− 51.7	16 13 42.20	.....	− 4 28 53.2	....
	July 8, P.												
10	3 Lacertæ	8	20 45.74	− 0.87	−37.20	12 48 5.05	44.412	+ 7.27	+ 12.7	22 20 7.67	.....	+51 47 9.7	....
11	7 Lacertæ	8	28 19.71	− 0.84	−37.20	10 50 5.95	45.862	+ 7.26	+ 10.7	22 27 41.67	.....	+49 49 41.6	....
12	η Aquarii	8	31 29.98	− 0.45	**−37.24**	320 28 9.85	43.328	+ 7.26	− 45.7	22 30 52.33	.....	− 0 34 8.8	....
13	η Pegasi	8	39 32.19	− 0.59	**−37.23**	350 46 9.20	46.495	+ 7.23	− 9.0	22 38 54.40	.....	+29 45 38.8	....
14	λ Pegasi	7	42 57.09	− 0.54	**−37.21**	344 6 10.95	48.065	+ 7.23	− 15.7	22 42 19.35	.....	+22 6 9.5	....
15	λ Aquarii	8	48 41.31	− 0.44	**−37.18**	313 0 9.85	42.482	+ 7.22	− 59.4	22 48 3.66	.....	− 8 2 41.7	....
16	α Pegasi	8	1 2.19	− 0.50	**−37.22**	335 46 10.15	42.718	+ 7.19	− 25.0	23 0 24.48	.....	+14 43 57.8	....
17	γ Piscium	8	13 15.88	− 0.46	**−37.22**	323 50 9.40	44.115	+ 7.17	− 40.5	23 12 38.21	.....	+ 2 48 13.8	....
18	θ Ceti	8	20 16.45	− 0.44	**[−37.22]**	312 24 10.52	44.458	+ 6.93	−1 0.5	1 19 38.76	.....	− 8 37 57.2	....
19	α Ursæ Minoris	7	28 36.69	−26.86	−37.26	49 50 10.08	44.175	+ 6.91	+1 5.7	1 27 32.57	.....	+88 50 1.9	....
20	Moon II, N	8	24 35.32	− 0.52	−37.27	337 6 10.48	42.591	+ 6.88	− 23.2	2 23 57.53	−67.97	+16 3 56.6	....
	July 9, P.												
21	Sun I, N	8	13 32.82	− 0.56	−37.35	343 38 6.95	46.270	+ 6.49	− 15.8	7 12 54.91	+68.37	+22 37 23.7	....
22	Sun II, S	8	15 49.55	− 0.56	−37.35	343 6 7.00	47.602	+ 6.49	− 16.3	7 15 11.64	−68.36	+22 5 54.1	....
23	Mercury I, C	8	47 59.66	− 0.52	−37.38	340 20 7.18	46.674	+ 6.60	− 19.1	8 47 21.76	+ 0.21	+19 19 30.9	....
24	α Virginis	8	21 12.58	− 0.44	**[−37.41]**	310 20 10.98	43.585	+ 7.34	−1 3.6	13 20 34.69	.....	−10 42 20.0	....
25	α Ursæ Minoris S. P.	8	27 41.12	+27.47	−37.46	52 10 10.38	43.835	+ 7.34	+1 9.9	1 27 31.13	.....	+88 50 1.2	....
26	β Libræ	8	12 56.22	− 0.44	**−37.50**	311 58 12.08	45.008	+ 7.34	−1 0.8	15 12 18.29	.....	− 9 3 42.8	....
27	α Coronæ Borealis	8	31 37.98	− 0.58	**−37.52**	348 2 14.20	43.615	+ 7.34	− 11.6	15 30 59.91	.....	+27 0 35.6	....
28	α Serpentis	8	40 36.16	− 0.48	**−37.53**	327 44 12.42	43.125	+ 7.34	− 34.6	15 39 58.18	.....	+ 6 42 0.0	....
29	β Serpentis	8	42 47.76	− 0.51	**−37.50**	336 42 13.25	47.145	+ 7.34	− 23.6	15 42 9.75	.....	+15 41 43.4	....
30	ε Serpentis	8	47 5.90	− 0.47	**−37.46**	325 46 12.45	44.292	+ 7.34	− 37.3	15 46 27.93	.....	+ 4 44 23.8	....
31	δ Ophiuchi	8	10 24.31	− 0.45	**−37.53**	317 34 12.95	43.108	+ 7.34	− 50.1	16 9 46.35	.....	− 3 28 15.5	....
	July 9, M.												
32	θ Pegasi	8	6 25.92	− 0.48	**−37.50**	326 48 15.35	42.930	+ 7.20	− 36.1	22 5 47.89	.....	+ 5 45 57.4	....
33	γ Aquarii	7	17 47.07	− 0.46	**−37.60**	319 12 13.28	44.345	+ 7.20	− 47.6	22 17 9.05	.....	− 1 49 44.1	....
34	ζ Pegasi	8	37 44.48	− 0.50	**−37.54**	331 24 14.90	43.855	+ 7.20	− 30.1	22 37 6.42	.....	+10 22 23.1	....
35	λ Pegasi	8	42 57.54	− 0.56	**−37.61**	344 6 16.02	47.880	+ 7.20	− 15.7	22 42 19.42	.....	+23 6 10.3	....
36	λ Aquarii	8	48 41.71	− 0.45	**−37.54**	313 0 15.58	42.215	+ 7.20	− 59.2	22 48 3.70	.....	− 8 2 41.8	....
37	α Pegasi	8	1 2.54	− 0.52	**−37.52**	335 46 17.38	42.425	+ 7.20	− 24.8	23 0 24.45	.....	+14 43 58.6	....
38	Moon II	8	20 15.40	− 0.56	−37.64	342 4	......	....	.. ....	3 19 37.20	−71.54	.. ..	....
	July 10, M.												
39	Sun I, S	8	17 38.52	− 0.55	−37.70	343 0 10.98	43.675	+ 6.69	− 16.4	7 17 0.27	+68.25	+21 58 28.4	....
40	Sun II, N	8	19 55.02	− 0.55	−37.70	343 32 4.90	42.605	+ 6.69	− 15.8	7 19 16.77	−68.25	+22 29 58.2	....
41	Mercury I, C	8	54 14.46	− 0.52	−37.73	339 50 6.45	43.178	+ 6.53	− 19.6	8 53 36.21	+ 0.22	+18 48 9.4	....
	July 11, P.												
42	Sun I, S	8	21 43.97	− 0.53	−38.22	342 52 8.25	44.342	+ 6.84	− 16.5	7 21 5.22	+68.28	+21 50 41.1	....
43	Sun II, N	8	24 0.52	− 0.53	−38.22	343 24 7.15	43.030	+ 6.84	− 16.0	7 23 21.77	−68.27	+22 22 10.0	....
44	α Coronæ Borealis	8	31 38.82	− 0.59	**−38.37**	348 2 6.05	44.002	+ 7.36	− 11.5	15 30 59.88	.....	+27 0 36.4	....
45	α Serpentis	8	40 36.97	− 0.49	**−38.34**	327 44 10.25	43.222	+ 7.36	− 34.3	15 39 58.13	.....	+ 6 42 0.3	....
46	β Serpentis	8	42 48.60	− 0.52	**−38.34**	336 42 11.08	47.255	+ 7.36	− 23.4	15 42 9.73	.....	+15 41 44.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 8 42	29.990	89.8	90.7
13 21	29.950	88.3	87.4
15 13	29.966	83.6	82.2
15 48	......	....	80.4
16 15	29.976	81.2	79.1
22 18	29.945	73.2	71.5
22 47	......	....	71.3
23 15	29.944	73.0	71.0
1 19	......	....	72.2
1 33	29.957	74.0	73.5
2 26	29.976	76.0	76.0
9 7 16	29.972	86.8	87.3
8 48	29.938	88.1	89.0
13 20	......	....	83.0
13 32	29.902	84.0	82.6
15 10	29.908	79.0	77.0
15 30	......	....	76.7
15 49	......	....	76.0
16 12	29.920	77.1	75.9
22 6	29.860	73.5	72.3
22 38	......	....	72.0
23 1	29.866	73.3	71.8
10 7 20	29.885	88.2	88.0
8 54	29.842	[illegible]	88.4
11 7 25	29.780	86.5	86.1
15 29	29.736	79.1	78.0

Micrometer bisections are made at II, VI, except as noted below.

1, 23, 41. Bisections at I, II, VI, VII.
3, 19, 25. Bisections at $\overset{r}{9.5}$, $\overset{r}{10.5}$.
20. Bisections at II, III, V, VI.
21, 39, 42. Bisections at I, II.
22, 40, 43. Bisections at VI, VII.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 2.5	.. ....	− 0.1	+ 2.4
20	+22 11.6	−15 44.5	...	+ 6 27.1
21	+ 2.4	−15 44.7	...	−15 42.3
22	+ 2.5	+15 44.8	...	+15 47.3
23	+ 2.7	.. ....	− 0.2	+ 2.5
39	+ 2.5	+15 44.9	...	+15 47.4
40	+ 2.4	−15 44.8	...	−15 42.4
41	+ 2.8	.. ....	− 0.2	+ 2.6
42	+ 2.5	+15 44.4	...	+15 46.9
43	+ 2.4	−15 44.4	...	−15 42.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Serpentis	8	47 6.76	− 0.48	**−38.32**	325 46 8.50	44.475	+ 7.36	− 37.0	15 46 27.92	.....	+ 4 44 24.3	....
2	ε Ophiuchi	8	14 21.08	− 0.46	**−38.41**	316 32 11.58	46.895	+ 7.36	− 51.6	16 13 42.26	.....	− 4 28 51.7	....
	July 12, M.												
3	Sun I	8	25 48.84	− 0.50	−38.61	343 0	......	....	. ....	7 25 9.73	+68.19	.. ..	....
4	Sun II	8	28 5.22	− 0.50	−38.61	... .	......	....	. ....	7 27 26.11	−68.19	.. ..	....
5	κ Ophiuchi	8	54 11.89	− 0.48	**−38.84**	330 32 5.72	44.810	+ 7.05	− 30.8	16 53 32.59	.....	+ 9 30 35.4	....
6	η Ophiuchi	8	6 1.76	− 0.42	**−38.81**	305 26 6.88	42.200	+ 7.05	−1 16.6	17 5 22.52	.....	−15 37 9.2	....
7	α Herculis	8	11 19.88	− 0.50	**−38.85**	335 30 7.82	46.435	+ 7.05	− 24.9	17 10 40.56	.....	+14 29 20.6	....
8	ι Herculis	8	37 41.01	− 0.80	−38.83	7 4	......	....	....	17 37 1.38	.....	+46 3	....
9	β Ophiuchi	8	39 49.31	− 0.46	**−38.76**	325 38 6.75	43.830	+ 7.05	− 37.4	17 39 10.02	.....	+ 4 36 7.7	....
10	μ Herculis	8	43 42.74	− 0.58	**−38.83**	348 48 6.25	43.085	+ 7.05	− 10.8	17 43 3.33	.....	+27 46 16.2	....
11	γ Draconis	7	55 16.09	− 0.90	−38.84	12 30	......	....	. ....	17 54 36.35	.....	+51 29	....
12	72 Ophiuchi	8	3 52.55	− 0.48	**−38.81**	330 34 5.35	45.872	+ 7.05	− 30.9	18 3 13.23	.....	+ 9 32 58.9	....
	July 12, P.												
13	Uranus C, C	8	18 1.56	− 0.40	−38.95	300 42 8.88	46.928	+ 6.96	−1 32.0	20 17 22.21	.....	−20 19 33.4	....
14	ε Delphini	8	29 42.52	− 0.46	**−38.96**	332 2 10.50	43.620	+ 6.96	− 29.1	20 29 3.11	.....	+11 0 14.1	....
15	α Delphini	8	36 14.97	− 0.48	**−38.93**	336 38 10.08	42.968	+ 6.96	− 23.7	20 35 35.54	.....	+15 36 4.7	....
16	μ Aquarii	8	48 36.74	− 0.41	**−39.01**	311 44 9.02	42.435	+ 6.96	−1 1.5	20 47 57.37	.....	− 9 18 46.1	....
17	32 Vulpeculæ	8	51 30.44	− 0.56	**−38.97**	348 44 10.88	45.692	+ 6.96	− 10.9	20 50 50.92	.....	+27 43 19.9	....
18	ζ Cygni	8	9 53.29	− 0.57	**−38.99**	350 52 9.68	47.182	+ 6.96	− 8.8	21 9 13.76	.....	+29 51 55.0	....
19	β Aquarii	8	27 37.69	− 0.41	**−38.98**	315 4 12.05	45.575	+ 6.96	− 54.7	21 26 58.31	.....	− 5 57 24.9	....
20	α Ursæ Minoris	8	28 42.26	−27.47	−39.04	49 50 13.00	44.055	+ 6.92	+1 5.6	1 27 35.75	.....	+88 50 2.0	....
21	β Arietis	8	50 27.19	− 0.51	**[−39.00]**	341 24 12.40	44.585	+ 6.92	− 18.5	1 49 47.63	.....	+20 22 49.4	....
	July 13, P.												
22	Sun I, S	7	29 53.54	− 0.54	−39.15	342 34 4.08	47.768	+ 6.14	− 16.8	7 29 13.85	+68.09	+21 33 54.4	....
23	Sun II, N	8	32 9.72	− 0.54	−39.15	343 6 4.15	46.420	+ 6.14	− 16.3	7 31 30.03	−68.09	+22 5 23.9	....
24	Mercury I, C	8	11 51.33	− 0.41	−39.18	338 12 6.98	45.264	+ 2.91	− 21.4	9 11 11.74	+ 0.22	+17 10 52.1	....
25	α Virginis	8	21 14.28	− 0.39	**[−39.20]**	310 20 8.25	43.678	+ 7.01	−1 3.3	13 20 34.65	.....	−10 42 20.6	....
26	α Ursæ Minoris S. P.	8	27 47.31	+27.89	−39.25	52 10 9.20	43.870	+ 7.04	+1 9.6	1 27 35.95	.....	+88 50 2.2	....
27	α Coronæ Borealis	8	31 39.70	− 0.55	**−39.31**	348 2 10.18	43.795	+ 7.33	− 11.5	15 30 59.87	.....	+27 0 35.8	....
28	α Serpentis	8	40 37.84	− 0.44	**−39.27**	327 44 11.58	43.135	+ 7.36	− 34.3	15 39 58.11	.....	+ 6 41 59.7	....
29	β Serpentis	8	42 49.49	− 0.48	**−39.29**	336 42 11.70	47.215	+ 7.36	− 23.4	15 42 9.72	.....	+15 41 43.7	....
30	ε Serpentis	8	47 7.66	− 0.43	**−39.28**	325 46 9.98	44.375	+ 7.38	− 37.0	15 46 27.94	.....	+ 4 44 23.5	....
31	δ Ophiuchi	8	10 26.02	− 0.41	**−39.30**	317 34 10.48	43.195	+ 7.43	− 49.7	16 9 46.31	.....	− 3 28 15.5	....
32	ε Ophiuchi	8	14 21.89	− 0.40	**−39.29**	316 32 13.82	46.742	+ 7.44	− 51.5	16 13 42.19	.....	− 4 28 52.8	....
	July 15, M.												
33	Sun I, S	7	38 1.16	− 0.54	−39.97	342 16 10.22	46.902	+ 6.47	− 17.3	7 37 20.65	+67.87	+21 15 40.5	....
34	Sun II, N	8	40 16.91	− 0.54	−39.97	342 48 5.70	45.685	+ 6.47	− 16.7	7 39 36.40	−67.88	+21 47 9.2	....
35	η Serpentis	7	17 28.74	− 0.43	**−40.19**	318 6 12.45	45.265	+ 6.88	− 49.3	18 16 48.13	.....	− 2 55 26.2	....
36	109 Herculis	8	20 40.11	− 0.53	**−40.16**	342 44 10.92	46.930	+ 6.88	− 17.1	18 19 59.40	.....	+21 43 42.6	....
37	110 Herculis	8	42 35.77	− 0.52	**−40.21**	341 28 11.70	46.792	+ 6.88	− 18.4	18 41 55.06	.....	+20 27 39.6	....
38	ε Aquilæ	8	56 21.02	− 0.49	**−40.20**	335 58 12.38	44.940	+ 6.88	− 24.5	18 55 40.34	.....	+14 56 51.5	....
39	ζ Aquilæ	8	2 5.21	− 0.48	**−40.17**	334 46 12.38	42.448	+ 6.88	− 25.9	19 1 24.54	.....	+13 43 53.1	....
40	δ Aquilæ	8	21 47.05	− 0.44	**−40.13**	323 58 12.70	44.140	+ 6.88	− 40.0	19 21 6.41	.....	+ 2 56 18.3	....
41	δ Cygni	8	42 56.92	− 0.76	−40.20	5 56	......	....	. ....	19 42 15.96	.....	+44 54	....
42	o^1 Cygni	7	11 35.10	− 0.78	−40.21	7 30	......	....	. ....	20 10 54.11	.....	+46 28	....
43	Uranus C, C	8	17 33.54	− 0.41	−40.21	300 40 12.28	47.808	+ 6.88	−1 32.5	20 16 52.92	.....	−20 21 10.6	....
	July 15, P.												
44	λ Aquarii	8	48 44.60	− 0.41	**−40.31**	313 0 10.25	42.505	+ 6.84	− 59.2	22 48 3.86	.....	− 8 2 40.9	....
45	α Pegasi	8	1 5.49	− 0.48	**−40.35**	335 46 9.88	42.825	+ 6.84	− 24.8	23 0 24.68	.....	+14 43 59.9	....
46	γ Piscium	8	13 19.16	− 0.44	**−40.32**	323 50 9.52	44.165	+ 6.84	− 40.4	23 12 38.38	.....	+ 2 48 14.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 15 49	......	....	77.1
16 16	29.766	78.5	77.1
12 16 54	29.884	79.4	78.2
17 38	......	....	77.1
18 4	29.888	78.2	76.5
20 15	29.874	76.6	75.1
20 39	......	....	75.0
21 12	......	....	74.9
21 29	29.866	75.8	74.7
1 33	29.900	74.0	72.5
1 52	29.900	74.8	73.0
13 7 32	29.966	87.3	87.3
9 12	29.950	89.0	88.9
13 20	......	....	86.0
13 32	29.928	86.1	85.0
15 29	29.916	82.2	81.2
15 49	......	....	81.0
16 16	29.932	81.2	81.0
15 7 40	29.974	84.0	84.3
18 17	29.930	76.2	74.8
18 43	......	....	74.8
19 22	29.926	75.5	74.7
20 18	29.920	75.5	74.3
22 46	29.884	73.9	72.1
23 11	......	....	72.0

Micrometer bisections are made at II, VI, except as noted below.

13, 24, 43. Bisections at I, II, VI, VII.
20, 26. Bisections at $9\overset{r}{.}5$, $10\overset{r}{.}5$.
22, 33. Bisections at I, II.
23, 34. Bisections at VI, VII.

Note.
2. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ′
13	+ 0.4	.. ....	...	+ 0.4
22	+ 2.5	+15 44.7	...	+15 47.2
23	+ 2.5	−15 44.8	...	−15 42.3
24	+ 3.1	.. ....	− 0.3	+ 2.8
33	+ 2.6	+15 44.3	...	+15 46.9
34	+ 2.5	−15 44.3	...	−15 41.8
43	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	κ Piscium	8	23 8.20	− 0.43	**−40.36**	321 48 12.02	45.170	+ 6.84	− 43.5	23 22 27.43	.....	+ 0 46 37.1	....
2	ι Piscium	8	36 8.24	− 0.44	**−40.36**	326 10 13.25	46.190	+ 6.84	− 37.0	23 35 27.46	.....	+ 5 9 7.8	....
3	ω Piscium	8	55 30.25	− 0.45	**−40.38**	327 24 11.02	45.175	+ 6.84	− 35.4	23 54 49.45	.....	+ 6 22 44.7	....
4	θ Ceti	8	20 19.75	− 0.41	[**−40.32**]	312 24 10.95	44.502	+ 6.84	−1 0.5	1 19 38.97	.....	− 8 37 55.8	....
5	α Ursæ Minoris	8	28 47.44	−27.53	−40.38	49 50 11.92	44.165	+ 6.84	+1 5.7	1 27 39.53	.....	+88 50 3.5	....
	July 16, P.												
6	Sun I, S.	8	42 4.28	− 0.46	−40.49	342 6 2.65	48.118	+ 6.37	− 17.3	7 41 23.33	+67.93	+21 6 0.7	....
7	Sun II, N	8	44 20.14	− 0.46	−40.49	342 37 57.15	46.962	+ 6.37	− 16.8	7 43 39.19	−67.93	+21 37 29.8	....
8	∂ Ophiuchi	7	10 27.31	− 0.41	**−40.61**	317 34 14.60	43.070	+ 6.95	− 50.0	16 9 46.26	.....	− 3 28 15.0	....
9	ε Ophiuchi	8	14 23.24	− 0.40	**−40.65**	316 32 13.60	46.802	+ 6.95	− 51.7	16 13 42.20	.....	− 4 28 52.4	....
10	α Scorpii	7	24 44.25	− 0.39	−40.64	294 48 14.28	45.410	+ 6.95	−1 57.6	16 24 3.22	.....	−26 14 29.5	....
11	β Herculis	8	27 9.63	− 0.50	**−40.63**	342 42 18.05	44.238	+ 6.95	− 17.0	16 26 28.49	.....	+21 40 48.4	....
12	κ Ophiuchi	8	54 13.66	− 0.44	**−40.66**	330 32 14.28	44.435	+ 6.95	− 30.9	16 53 32.57	.....	+ 9 30 35.2	....
13	α Herculis	8	11 21.63	− 0.47	**−40.64**	335 30 14.68	46.120	+ 6.95	− 24.9	17 10 40.51	.....	+14 29 20.2	....
14	α Ophiuchi	8	31 34.64	− 0.46	**−40.71**	333 38 14.90	46.210	+ 6.95	− 27.1	17 30 53.52	.....	+12 37 20.6	....
15	β Ophiuchi	8	39 51.16	− 0.43	**−40.64**	325 38 15.45	43.442	+ 6.95	− 37.5	17 39 10.07	.....	+ 4 36 7.3	....
	July 17, M.												
16	Sun I, N	8	46 6.74	− 0.51	−40.82	342 28 5.75	46.445	+ 6.45	− 17.0	7 45 25.41	+67.80	+21 27 26.1	....
17	Sun II, S	8	48 22.34	− 0.51	−40.82	341 56 7.40	47.752	+ 6.45	− 17.5	7 47 41.01	−67.80	+20 55 57.1	....
	July 19, Ep.												
18	Sun I, S	8	54 10.26	− 0.48	−41.90	341 36 9.88	44.645	+ 6.28	− 18.4	7 53 27.88	+67.60	+20 34 47.4	....
19	Sun II, N	8	56 25.46	− 0.48	−41.90	342 8 11.02	43.210	+ 6.28	− 17.8	7 55 43.08	−67.60	+21 6 16.7	....
20	Mercury I, C	8	42 5.75	− 0.44	−41.93	334 52 7.45	42.974	+ 6.39	− 25.9	9 41 23.38	+ 0.24	+13 49 59.8	....
21	Moon I, N	8	39 15.08	− 0.41	−41.95	316 52 9.32	46.149	+ 6.28	− 51.5	12 38 32.72	+66.05	− 4 9 12.0	....
22	α Virginis	8	21 16.88	− 0.40	[**−41.85**]	310 20 9.95	43.735	+ 6.28	−1 4.9	13 20 34.52	.....	−10 42 19.9	....
23	α Ursæ Minoris s. p.	8	27 56.62	+26.06	−41.96	52 10 9.38	43.800	+ 6.28	+1 11.3	1 27 40.72	.....	+88 50 2.6	....
24	μ Herculis	8	43 45.88	− 0.54	**−42.03**	348 48 10.12	43.010	+ 5.54	− 11.1	17 43 3.30	.....	+27 46 16.4	....
25	72 Ophiuchi	8	3 55.75	− 0.44	**−42.04**	330 34 11.72	45.700	+ 5.54	− 31.6	18 3 13.26	.....	+ 9 32 59.2	....
26	μ Sagittarii	8	9 15.59	− 0.40	−42.05	299 58 11.20	43.135	+ 5.54	−1 37.0	18 8 33.14	.....	−21 5 4.7	....
27	109 Herculis	8	20 41.96	− 0.50	**−42.04**	342 44 10.00	47.075	+ 5.54	− 17.4	18 19 59.41	.....	+21 43 43.4	....
28	110 Herculis	8	42 37.63	− 0.49	**−42.09**	341 28 9.95	46.850	+ 5.54	− 18.8	18 41 55.08	.....	+20 27 37.4	....
29	β Lyræ	8	47 35.03	− 0.58	−42.06	354 16 10.55	46.188	+ 5.54	− 5.6	18 46 52.39	.....	+33 15 35.2	....
	July 22, M.												
30	Sun I, S	8	6 10.99	− 0.47	−43.03	341 2 6.18	43.912	+ 5.08	− 18.7	8 5 27.49	+67.41	+20 0 25.7	....
31	Sun II, N	8	8 25.81	− 0.47	−43.03	341 34 1.85	42.770	+ 5.08	− 18.2	8 7 42.31	−67.41	+20 31 55.9	....
32	Moon I, N	8	10 41.48	− 0.42	−43.15	299 40 5.40	44.695	+ 5.32	−1 35.9	15 9 57.91	+67.62	−21 22 34.3	....
33	φ Herculis	8	6 45.94	− 0.71	−43.17	6 10	......	....	. ....	16 6 2.06	.....	+45 9	....
34	∂ Ophiuchi	8	10 29.84	− 0.42	**−43.17**	317 34 5.32	43.585	+ 5.32	− 50.3	16 9 46.25	.....	− 3 28 14.4	....
35	ε Ophiuchi	8	14 25.72	− 0.42	**−43.15**	316 32 6.78	47.230	+ 5.32	− 52.1	16 13 42.13	.....	− 4 28 51.4	....
36	τ Herculis	8	17 51.89	− 0.73	−43.17	7 32	......	....	. ....	16 17 7.99	.....	+46 31	....
37	β Herculis	8	27 12.14	− 0.50	**−43.20**	342 42 4.95	44.928	+ 5.32	− 17.1	16 26 28.47	.....	+21 40 49.4	....
38	ζ Ophiuchi	8	33 4.71	− 0.41	**−43.13**	310 38 6.55	45.970	+ 5.32	−1 4.1	16 32 21.12	.....	−10 23 31.9	....
39	κ Ophiuchi	8	54 16.14	− 0.44	**−43.17**	330 32 6.68	44.890	+ 5.32	− 31.1	16 53 32.52	.....	+ 9 30 36.2	....
40	η Ophiuchi	8	6 6.05	− 0.41	**−43.13**	305 26 6.42	42.290	+ 5.32	−1 17.4	17 5 22.45	.....	−15 37 10.1	....
	July 22, Ep.												
41	α Pegasi	8	1 8.78	− 0.46	**−43.48**	335 46 10.10	42.965	+ 5.05	− 25.2	23 0 24.84	.....	+14 44 1.2	....
42	γ Piscium	8	13 22.51	− 0.43	**−43.50**	323 50 9.80	44.315	+ 5.05	− 40.9	23 12 38.60	.....	+ 2 48 16.4	....
43	κ Piscium	8	23 11.51	− 0.42	**−43.49**	321 48 11.72	45.322	+ 5.05	− 44.1	23 22 27.61	.....	+ 0 46 37.9	....
44	α Andromedæ	8	4 36.12	− 0.53	**−43.55**	349 38 9.00	43.270	+ 5.05	− 10.3	0 3 52.09	.....	+28 36 21.8	....
45	γ Pegasi	8	9 28.16	− 0.46	**−43.57**	335 44 10.02	42.440	+ 5.05	− 25.4	0 8 44.20	.....	+14 41 49.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 23 26	......	....	71.7
23 57	29.894	73.0	71.1
1 19	......	....	72.0
1 33	29.928	73.7	72.4
16 7 44	[illegible]	87.7	87.0
16 7	29.940	79.4	78.2
16 35	......	....	78.0
16 56	......	....	78.0
17 13	29.946	78.8	77.2
17 42	29.944	78.2	77.2
17 7 48	29.962	86.4	87.0
19 7 56	29.980	74.8	73.2
9 42	29.972	75.0	73.8
12 39	30.004	75.7	75.3
13 28	30.003	74.9	74.3
17 44	30.048	68.0	67.2
18 9	30.058	67.7	67.0
18 48	30.056	67.4	66.9
22 8 8	29.886	79.3	78.7
15 11	29.890	77.5	76.0
16 10	29.890	74.8	73.8
16 33	......	....	73.6
17 6	29.890	73.7	72.8
23 1	29.918	67.7	66.0
23 23	29.930	67.2	65.5
0 5	......	....	63.9
[illegible] 9	29.946	65.6	....

Micrometer bisections are made at II, VI, except as noted below.

	r r
5, 23.	Bisections at 9.5, 10.5.
6, 16, 18, 30.	Bisections at I, II.
7, 17, 19, 31.	Bisections at VI, VII.
20.	Bisections at I, II, VI, VII.
21, 32.	Bisections at II, III, V, VI.

Notes.

6. Circle reading decreased 2′.
8-15. Hazy.
24-29. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 2.6	+15 44.5	...	+15 47.1
7	+ 2.5	−15 44.5	...	−15 42.0
16	+ 2.6	−15 44.5	...	−15 41.9
17	+ 2.6	+15 44.5	...	+15 47.1
18	+ 2.7	+15 44.6	...	+15 47.3
19	+ 2.6	−15 44.6	...	−15 42.0
20	+ 3.9	.. ....	− 0.4	+ 3.5
21	+39 39.1	−15 55.5	...	+23 43.6
30	+ 2.8	+15 45.0	...	+15 47.8
31	+ 2.7	−15 45.1	...	−15 42.4
32	+48 21.5	−15 14.7	...	+33 6.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Ceti	8	15 42.72	− 0.42	**−43.46**	311 44 11.68	43.455	+ 5.05	−1 3.1	0 14 58.80	.....	− 9 18 23.6	....
2	θ Ceti	8	20 23.14	− 0.42	**[−43.48]**	312 24 11.25	44.700	+ 5.05	−1 1.8	1 19 39.20	.....	− 8 37 54.1	....
3	α Ursæ Minoris	8	28 55.82	−25.64	−43.52	49 50 11.15	44.210	+ 5.05	+1 7.2	1 27 46.66	.....	+88 50 3.5	....
	July 23, Ep.												
4	Moon I, N	8	4 1.62	− 0.43	−43.82	295 51 16.15	45.044	+ 5.45	−1 53.8	16 3 17.37	+68.84	−25 11 33.9	....
5	α Ophiuchi	8	31 37.73	− 0.44	**−43.84**	333 38 8.68	46.595	+ 5.22	− 27.5	17 30 53.45	.....	+12 37 21.0	....
6	β Ophiuchi	8	39 54.31	− 0.41	**−43.82**	325 38 8.10	43.890	+ 5.17	− 38.0	17 39 10.05	.....	+ 4 36 7.9	....
7	μ Herculis	8	43 47.65	− 0.50	**−43.86**	348 48 8.65	43.138	+ 5.15	− 11.0	17 43 3.30	.....	+27 46 17.6	....
8	72 Ophiuchi	8	3 57.57	− 0.43	**−43.87**	330 34 15.25	45.580	+ 5.05	− 31.4	18 3 13.29	.....	+ 9 32 59.7	....
	July 25, M.												
9	Sun I, N	8	18 6.59	− 0.48	−44.40	340 56 10.80	44.030	+ 4.49	− 18.8	8 17 21.71	+67.11	+19 54 32.5	....
10	Sun II, S	8	20 20.82	− 0.48	−44.40	340 24 6.10	45.602	+ 4.49	− 19.3	8 19 35.94	−67.12	+19 23 3.3	....
11	Moon I, S	8	55 23.46	− 0.45	−44.57	291 42 7.12	45.034	+ 4.78	−2 16.3	17 54 38.44	+70.07	−29 21 5.2	....
12	109 Herculis	8	20 44.45	− 0.49	**−44.55**	342 46 6.20	42.095	+ 4.78	− 17.0	18 19 59.38	.....	+21 43 45.5	....
13	110 Herculis	8	42 40.12	− 0.48	**−44.58**	341 28 8.15	47.130	+ 4.78	− 18.3	18 41 55.05	.....	+20 27 41.8	....
14	R Lyræ	8	53 27.21	− 0.67	−44.59	4 50	......	....	. ....	18 52 41.95	.....	+43 49	....
15	ε Aquilæ	8	56 25.41	− 0.46	**−44.59**	335 58 8.22	45.312	+ 4.78	− 24.4	18 55 40.36	.....	+14 56 53.8	....
16	ζ Aquilæ	8	2 9.66	− 0.45	**−44.61**	334 46 8.00	42.832	+ 4.78	− 25.8	19 1 24.61	.....	+13 43 55.5	....
17	κ Cygni	8	15 52.21	− 0.83	−44.60	14 14	......	....	. ....	19 15 6.78	.....	+53 12	....
18	δ Aquilæ	8	21 51.58	− 0.42	**−44.62**	323 58 7.50	44.508	+ 4.78	− 39.8	19 21 6.56	.....	+ 2 56 19.6	....
19	β Cygni	8	27 58.08	− 0.52	**−44.62**	348 48 9.08	43.640	+ 4.78	− 10.8	19 27 12.96	.....	+27 46 29.3	....
20	Uranus C, C	8	15 58.88	− 0.42	−44.62	300 36 8.05	44.460	+ 4.78	−1 32.3	20 15 13.84	.....	−20 26 33.7	....
	July 26, Ep.												
21	Moon I, S	8	51 31.64	− 0.48	−45.26	292 2 8.32	44.276	+ 5.16	−2 16.0	18 50 45.90	+69.50	−29 1 20.8	....
22	ζ Aquilæ	8	2 10.25	− 0.46	**−45.19**	334 46 6.98	42.900	+ 5.10	− 26.1	19 1 24.53	.....	+13 43 56.1	....
23	δ Aquilæ	8	21 52.22	− 0.44	**−45.24**	323 58 9.78	44.455	+ 4.99	− 40.3	19 21 6.51	.....	+ 2 56 20.4	....
24	β Cygni	8	27 58.75	− 0.52	**−45.29**	348 48 8.15	43.698	+ 4.96	− 11.0	19 27 12.96	.....	+27 46 29.7	....
25	γ Aquilæ	8	42 53.07	− 0.45	**−45.30**	331 26 10.20	42.978	+ 4.87	− 30.2	19 42 7.35	.....	+10 23 56.0	....
26	γ Sagittæ	8	55 39.07	− 0.48	**−45.31**	340 16 9.42	45.680	+ 4.80	− 19.9	19 54 53.31	.....	+19 15 11.9	....
27	θ Aquilæ	8	7 34.56	− 0.44	**−45.30**	319 56 9.58	46.690	+ 4.73	− 46.7	20 6 48.84	.....	− 1 4 56.1	....
28	Uranus C, C	8	15 49.59	− 0.45	−45.28	300 36 10.22	43.031	+ 4.68	−1 33.6	20 15 3.86	.....	−20 27 5.5	....
	July 27, Ep.												
29	Sun I, S	8	26 0.87	− 0.47	−45.50	339 58 8.42	43.970	+ 4.07	− 19.9	8 25 14.90	+66.93	+18 56 27.1	....
30	Sun II, N	8	28 14.73	− 0.47	−45.50	340 30 4.65	42.832	+ 4.07	− 19.4	8 27 28.76	−66.93	+19 27 58.1	....
31	Mercury I, C	8	11 45.92	− 0.42	−45.54	330 38 7.15	43.806	+ 3.91	− 30.7	10 10 59.96	+ 0.27	+ 9 36 11.0	....
32	α Virginis	8	21 20.52	− 0.43	**[−45.55]**	310 20 8.45	43.878	+ 4.06	−1 3.9	13 20 34.49	.....	−10 42 19.4	....
33	α Ursæ Minoris S. P.	8	28 11.93	+23.81	−45.60	52 10 8.82	43.935	+ 4.06	+1 10.2	1 27 50.14	.....	+88 50 3.4	....
34	δ Aquilæ	8	21 52.69	− 0.46	**−45.68**	323 58 9.90	44.478	+ 4.76	− 40.5	19 21 6.53	.....	+ 2 56 20.6	....
35	β Cygni	8	27 59.22	− 0.55	**−45.73**	348 48 10.10	43.630	+ 4.76	− 11.0	19 27 12.97	.....	+27 46 29.9	....
36	Moon I, S	8	46 15.82	− 0.49	−45.71	293 44 12.32	47.011	+ 4.76	−2 5.8	19 45 29.62	+68.18	−27 18 5.4	....
37	γ Sagittæ	8	55 39.52	− 0.50	**−45.73**	340 16 11.60	45.795	+ 4.76	− 20.0	19 54 53.31	.....	+19 15 12.5	....
38	θ Aquilæ	8	7 34.98	− 0.46	**−45.69**	319 56 11.45	46.648	+ 4.76	− 46.9	20 6 48.81	.....	− 1 4 56.3	....
39	Uranus C, C	8	15 40.06	− 0.47	−45.71	300 34 12.15	46.820	+ 4.76	−1 34.2	20 14 53.88	.....	−20 27 37.5	....
40	ε Delphini	8	29 49.49	− 0.48	**−45.72**	332 2 11.65	43.840	+ 4.76	− 29.7	20 29 3.29	.....	+11 0 17.5	....
41	α Delphini	8	36 21.95	− 0.49	**−45.71**	336 38 10.70	43.235	+ 4.76	− 24.1	20 35 35.74	.....	+15 36 8.9	....
	July 28, P.												
42	β Aquilæ	8	51 48.74	− 0.47	**−46.00**	327 12 11.90	46.440	+ 5.33	− 35.3	19 51 2.23	.....	+ 6 11 12.9	....
43	γ Sagittæ	8	55 39.88	− 0.51	**−46.08**	340 16 11.20	45.762	+ 5.33	− 19.6	19 54 53.33	.....	+19 15 12.3	....
44	θ Aquilæ	8	7 35.36	− 0.46	**−46.06**	319 56 10.52	46.592	+ 5.33	− 46.1	20 6 48.85	.....	− 1 4 56.2	....
45	Uranus C, C	8	15 30.54	− 0.46	−46.05	300 34 11.22	45.338	+ 5.33	−1 32.5	20 14 44.03	.....	−20 28 10.0	....
46	ε Delphini	8	29 49.84	− 0.48	**−46.06**	332 2 13.40	43.705	+ 5.33	− 29.1	20 29 3.31	.....	+11 0 17.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 0 16	......	....	63.4
1 29	29.964	63.8	62.1
23 16 4	29.875	70.9	70.1
17 31	29.870	69.7	68.6
17 54	29.866	69.2	68.1
25 8 20	29.536	74.3	74.1
17 55	29.500	71.7	70.6
18 43	......	....	70.1
19 2	29.498	70.8	69.8
19 28	......	....	69.5
20 16	29.480	70.4	69.6
26 18 52	29.664	67.9	66.2
19 22	29.669	67.6	66.1
19 43	29.666	67.1	65.7
20 16	29.662	66.7	65.5
27 8 26	29.790	76.0	75.2
10 12	29.784	77.7	76.9
13 28	29.784	78.3	78.7
19 22	29.829	68.1	67.3
19 46	29.828	67.7	66.7
20 16	29.836	67.0	65.8
20 36	29.836	66.7	65.3
28 19 49	29.636	73.3	71.8
20 21	......	....	71.0

Micrometer bisections are made at II, VI, except as noted below.

3, 33.	Bisections at $9^{r}.5$, $10^{r}.5$.
4.	Bisections at b_1, b_4, b_6, b_9.
6.	Bisection at II.
9, 29.	Bisections at I, II.
10, 30.	Bisections at VI, VII.
11, 21, 36.	Bisections at II, III, V, VI.
20, 28, 31, 39, 45.	Bisections at I, II, VI, VII.

Note.
5, 8, 12, 18. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+49 33.0	−15 4.7	...	+34 28.3
9	+ 2.8	−15 44.6	...	−15 41.8
10	+ 2.8	+15 44.6	...	+15 47.4
11	+50 23.6	+14 50.8	...	+65 14.4
20	+ 0.4	.. ....	...	+ 0.4
21	+50 2.7	+14 46.7	...	+64 49.4
28	+ 0.4	.. ....	...	+ 0.4
29	+ 2.9	+15 45.4	...	+15 48.3
30	+ 2.8	−15 45.5	...	−15 42.7
31	+ 5.1	.. ....	− 0.8	+ 4.3
36	+49 16.5	+14 44.4	...	+64 0.9
39	+ 0.4	.. ....	...	+ 0.4
45	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, S	8	38 38.77	− 0.47	−46.06	296 42 11.86	45.516	+ 5.33	−1 48.5	20 37 52.24	+66.38	−24 20 21.9	....
2	Moon II	8	40 51.56	− 0.47	−46.06	... .	......	....	. ....	20 40 5.03	−66.41	.. ..	....
3	μ Aquarii	8	48 44.11	− 0.45	**−46.09**	311 44 11.12	42.490	+ 5.33	−1 1.4	20 47 57.60	.....	− 9 18 44.2	....
4	32 Vulpeculæ	8	51 37.71	− 0.56	**−46.02**	348 44 13.00	45.870	+ 5.33	− 10.9	20 50 51.09	.....	+27 43 23.5	....
	July 29, Ep.												
5	Moon S	.	.. ..	....	.....	300 42 12.00	44.248	+ 5.36	−1 32.2	.. ..	.....	−20 20 29.4	....
6	Moon II, N	8	30 27.46	− 0.44	−46.69	301 12 10.72	43.738	+ 5.36	−1 30.4	21 29 40.33	−64.58	−19 50 48.8	....
7	α Aquarii	8	2 5.79	− 0.44	**−46.66**	320 16 13.98	47.070	+ 5.71	− 45.6	22 1 18.65	.....	− 0 44 40.9	....
8	θ Pegasi	8	6 35.50	− 0.45	**−46.68**	326 48 13.10	43.295	+ 5.71	− 36.0	22 5 48.35	.....	+ 5 46 2.2	....
9	θ Aquarii	8	13 1.50	− 0.43	**−46.72**	312 48 11.65	46.628	+ 5.71	− 59.3	22 12 14.37	.....	− 8 13 6.0	....
10	γ Aquarii	8	18 56.63	− 0.44	**−46.72**	319 12 12.82	44.588	+ 5.71	− 47.4	22 18 9.49	.....	− 1 49 40.2	....
11	η Aquarii	8	31 39.96	− 0.44	**−46.73**	320 28 14.00	43.385	+ 5.71	− 45.4	22 30 52.81	.....	− 0 34 4.5	....
12	ζ Pegasi	8	37 54.09	− 0.46	**−46.71**	331 24 13.52	44.198	+ 5.71	− 30.0	22 37 6.92	.....	+10 22 28.3	....
	July 30, Ep.												
13	Sun N	.	.. ..	....	.....	339 48 9.50	42.115	+ 5.23	− 20.0	8 38	.....	+18 45 46.6	....
14	Sun S	.	.. ..	....	.....	339 16 8.45	43.430	+ 5.23	− 20.6	.. ..	.....	+18 14 15.0	....
15	α Ophiuchi	8	31 40.92	− 0.48	**−47.03**	333 38 10.08	46.568	+ 5.21	− 27.2	17 30 53.37	.....	+12 37 22.1	....
16	β Ophiuchi	8	39 57.56	− 0.46	**−47.05**	325 38 12.25	43.738	+ 5.21	− 37.5	17 39 10.03	.....	+ 4 36 9.2	....
17	μ Herculis	8	43 50.86	− 0.56	**−47.03**	348 48 11.50	43.070	+ 5.21	− 10.8	17 43 3.23	.....	+27 46 19.2	....
18	110 Herculis	8	42 42.62	− 0.52	**−47.06**	341 28 11.45	46.990	+ 5.21	− 18.4	18 41 55.01	.....	+20 27 42.2	....
19	σ Sagittarii	8	50 39.51	− 0.46	−47.09	294 38 13.62	45.588	+ 5.21	−1 59.1	18 49 51.96	.....	−26 24 29.3	....
20	ε Aquilæ	8	56 27.92	− 0.49	**−47.07**	335 58 12.28	45.152	+ 5.21	− 24.5	18 55 40.34	.....	+14 56 54.6	....
	July 30, P.												
21	Moon II, N	5	17 32.58	− 0.47	−47.05	306 0 8.55	45.158	+ 4.64	−1 16.0	22 16 45.06	−63.04	−15 2 1.7	....
22	η Aquarii	8	31 40.34	− 0.47	**−47.06**	320 28 10.85	43.552	+ 4.64	− 45.7	22 30 52.82	.....	− 0 34 5.2	....
23	ζ Pegasi	8	37 54.52	− 0.50	**−47.08**	331 24 6.62	44.568	+ 4.64	− 30.2	22 37 6.97	.....	+10 22 28.6	....
24	η Pegasi	8	39 42.57	− 0.59	**−47.07**	350 46 7.70	46.945	+ 4.64	− 9.0	22 38 54.92	.....	+29 45 45.0	....
25	λ Pegasi	8	43 7.48	− 0.55	**−47.05**	344 6 9.50	48.520	+ 4.64	− 15.7	22 42 19.87	.....	+23 6 16.0	....
26	λ Aquarii	8	48 51.80	− 0.48	**−47.08**	313 0 11.95	42.635	+ 4.64	− 59.4	22 48 4.26	.....	− 8 2 38.6	....
27	α Pegasi	8	1 12.69	− 0.52	**−47.15**	335 46 6.15	43.265	+ 4.64	− 25.0	23 0 25.11	.....	+14 44 3.9	....
	July 31, P.												
28	Sun I, N	8	41 41.81	− 0.43	−47.25	339 32 4.92	45.908	+ 4.59	− 20.2	8 40 54.13	+66.67	+18 31 7.2	....
29	Sun II, S	8	43 55.14	− 0.43	−47.25	339 0 6.25	47.020	+ 4.59	− 20.8	8 43 7.46	−66.66	+17 59 33.6	....
30	δ Aquilæ	8	21 54.47	− 0.47	**−47.44**	323 58 9.52	44.465	+ 5.32	− 40.3	19 21 6.54	.....	+ 2 56 20.7	....
31	β Cygni	8	28 1.01	− 0.56	**−47.51**	348 48 7.68	43.768	+ 5.32	− 11.0	19 27 12.99	.....	+27 46 31.2	....
32	γ Aquilæ	8	42 55.28	− 0.49	**−47.45**	331 26 8.55	43.072	+ 5.32	− 30.2	19 42 7.33	.....	+10 23 56.9	....
33	α Aquilæ	8	47 20.19	− 0.48	**−47.48**	329 40 8.68	43.785	+ 5.32	− 32.5	19 46 32.25	.....	+ 8 38 11.5	....
34	β Aquilæ	8	51 50.22	− 0.48	**−47.45**	327 12 7.60	46.705	+ 5.32	− 35.8	19 51 2.27	.....	+ 6 11 14.2	....
35	γ Sagittæ	8	55 41.26	− 0.52	**−47.44**	340 16 6.28	46.048	+ 5.32	− 19.9	19 54 53.27	.....	+19 15 13.6	....
	August 1, Ep.												
36	Sun I, N	8	45 35.58	− 0.47	−47.83	339 18 0.82	43.512	+ 4.44	− 20.7	8 44 47.28	+66.52	+18 16 8.0	....
37	Sun II, S	8	47 48.61	− 0.47	−47.83	338 46 6.55	44.455	+ 4.44	− 21.3	8 47 0.31	−66.51	+17 44 35.1	....
38	109 Herculis	8	20 48.01	− 0.56	**−48.07**	342 44 6.12	47.365	+ 5.09	− 17.3	18 19 59.44	.....	+21 43 45.8	....
39	110 Herculis	8	42 43.61	− 0.55	**−48.02**	341 28 5.90	47.278	+ 5.09	− 18.7	18 41 55.04	.....	+20 27 42.8	....
40	β Lyræ	8	47 41.04	− 0.63	−48.02	354 16 7.10	46.508	+ 5.09	− 5.6	18 46 52.39	.....	+33 15 38.6	....
41	ε Aquilæ	8	56 28.91	− 0.52	**−48.03**	335 58 5.12	45.462	+ 5.09	− 24.9	18 55 40.37	.....	+14 56 54.0	....
42	ζ Aquilæ	8	2 13.14	− 0.52	**−48.02**	334 46 6.00	42.955	+ 5.09	− 26.3	19 1 24.59	.....	+13 43 56.2	....
43	δ Aquilæ	8	21 55.08	− 0.49	**−48.03**	323 58 6.52	44.642	+ 5.09	− 40.8	19 21 6.56	.....	+ 2 56 21.1	....
	August 1, P.												
44	Moon II	8	46 55.40	− 0.49	−48.01	316 58	......	....	. ....	23 46 6.90	−61.73	.. ..	....
45	ω Piscium	8	55 38.44	− 0.49	**−48.06**	327 24 10.90	45.448	+ 4.26	− 36.0	23 54 49.94	.....	+ 6 22 47.7	....
46	α Andromedæ	8	4 40.95	− 0.58	**−48.04**	349 38 9.98	43.370	+ 4.16	− 10.3	0 3 52.36	.....	+28 36 24.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 20 40	......	....	71.0
20 53	29.612	72.1	71.0
29 21 26	29.500	70.0	68.5
22 2	29.488	69.0	67.9
22 21	29.491	68.7	67.5
22 38	29.490	68.4	67.1
30 8 38	29.562	76.0	75.0
17 32	29.614	71.3	70.5
17 44	29.609	71.1	70.6
18 43	29.604	70.7	70.0
18 56	29.605	70.2	69.4
22 13	29.586	67.2	66.2
22 47	......	....	65.0
23 3	29.588	65.2	64.0
31 8 44	29.622	76.7	77.0
19 19	29.600	67.2	65.0
19 40	......	....	64.1
19 58	29.584	66.2	64.0
1 8 49	29.744	74.0	73.1
18 21	29.772	66.6	65.0
18 43	......	....	64.5
18 56	29.771	66.0	64.4
19 22	29.760	64.7	62.6
23 53	29.754	62.1	60.3

Micrometer bisections are made at II, VI, except as noted below.

1, 21. Bisections at II, III, V, VI.
5, 13, 28, 36. Bisections at I, II.
6, 14, 29, 37. Bisections at VI, VII.

Notes.

7–12. Conditions poor.
38–40. Haze.
41–43. Poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+48 2.1	+14 43.6	...	+62 45.7
5	+46 15.7	+14 43.0	...	+60 58.7
6	+46 1.1	−14 43.0	0.0	+31 18.1
13	+ 3.0	−15 45.8	...	−15 42.8
14	+ 3.0	+15 45.8	...	+15 48.8
21	+43 37.0	−14 46.8	...	+28 50.2
28	+ 3.0	−15 46.8	...	−15 43.8
29	+ 3.1	+15 46.7	...	+15 49.8
36	+ 3.0	−15 46.4	...	−15 43.4
37	+ 3.1	+15 46.4	...	+15 49.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	γ Pegasi	8	9 32.89	− 0.51	**−47.97**	335 44 9.38	42.598	+ 4.12	− 25.4	0 8 44.36	.....	+14 41 51.2	....
2	ι Ceti	8	15 47.61	− 0.48	**−48.00**	311 44 11.75	43.525	+ 4.08	−1 3.1	0 14 59.11	.....	− 9 18 22.9	....
3	12 Ceti	8	26 23.70	− 0.48	**−48.02**	316 36 10.78	43.375	+ 3.99	− 53.3	0 25 35.20	.....	− 4 26 18.1	....
4	β Ceti	7	40 1.30	− 0.49	**−47.97**	302 34 11.95	46.210	+ 3.85	−1 28.1	0 39 12.78	.....	−18 27 48.7	....
	August 2, P.												
5	Sun I, S.	8	49 28.68	− 0.49	−48.20	338 30 10.68	46.260	+ 3.95	− 21.5	8 48 39.99	+66.53	+17 29 19.3	....
6	Sun II, N.	8	51 41.73	− 0.49	−48.20	339 2 12.65	44.940	+ 3.95	− 20.9	8 50 53.04	−66.52	+18 0 51.9	....
7	η Serpentis	8	17 36.97	− 0.46	**−48.39**	318 6 11.95	45.522	+ 4.20	− 50.0	18 16 48.10	.....	− 2 55 24.2	....
8	109 Herculis	8	20 48.31	− 0.53	**−48.41**	342 44 11.15	47.185	+ 4.20	− 17.3	18 19 59.37	.....	+21 43 45.8	....
9	110 Herculis	8	42 44.01	− 0.52	**−48.46**	341 28 11.30	47.062	+ 4.36	− 18.7	18 41 55.08	.....	+20 27 42.6	....
10	ε Aquilæ	8	56 29.22	− 0.50	**−48.36**	335 58 11.25	45.262	+ 4.54	− 24.8	18 55 40.30	.....	+14 56 55.1	....
11	δ Aquilæ	8	21 55.53	− 0.47	**−48.50**	323 58 15.08	44.250	+ 4.88	− 40.5	19 21 6.63	.....	+ 2 56 20.7	....
12	β Cygni	8	28 1.96	− 0.56	**−48.46**	348 48 15.48	43.428	+ 4.96	− 11.0	19 27 12.97	.....	+27 46 30.9	....
	August 2, Ep.												
13	Moon II, N.	8	31 10.81	− 0.49	−48.64	323 16 12.12	43.578	+ 4.43	− 42.1	0 30 21.68	−62.26	+ 2 14 1.2	....
14	β Ceti	8	40 1.98	− 0.48	**−48.63**	302 34 14.62	46.065	+ 4.43	−1 28.1	0 39 12.86	.....	−18 27 47.8	....
15	ζ Andromedæ	8	43 31.50	− 0.54	**−48.61**	344 48 12.15	46.310	+ 4.43	− 15.3	0 42 42.32	.....	+23 47 29.5	....
16	ε Piscium	8	59 13.69	− 0.48	**−48.64**	328 26 14.10	46.472	+ 4.43	− 34.7	0 58 24.56	.....	+ 7 25 14.7	....
17	β Andromedæ	8	5 39.24	− 0.62	−48.65	356 10 12.68	45.458	+ 4.43	− 3.7	1 4 49.97	.....	+35 9 21.4	....
18	θ Ceti	8	20 28.66	− 0.47	**−48.62**	312 24 13.22	44.700	+ 4.43	−1 1.9	1 19 39.54	.....	− 8 37 52.8	....
19	α Ursæ Minoris	8	29 12.19	−26.02	−48.66	49 50 13.50	44.168	+ 4.43	+1 7.3	1 27 57.51	.....	+88 50 4.4	....
	August 3, P.												
20	β Ceti	8	40 2.31	− 0.52	**−48.90**	302 34 10.55	46.315	+ 3.65	−1 28.7	0 39 12.82	.....	−18 27 47.5	....
21	ζ Andromedæ	7	43 31.95	− 0.60	**−48.97**	344 48 7.25	46.562	+ 3.64	− 15.4	0 42 42.38	.....	+23 47 29.4	....
22	ε Piscium	8	59 14.14	− 0.53	**−49.01**	328 26 10.58	46.708	+ 3.55	− 34.9	0 58 24.63	.....	+ 7 25 15.5	....
23	Moon II, N.	8	16 43.23	− 0.55	−48.98	329 18 9.80	47.598	+ 3.45	− 33.7	1 15 53.70	−63.66	+ 8 17 36.9	....
24	θ Ceti	8	20 29.10	− 0.52	**−48.98**	312 24 11.72	44.830	+ 3.44	−1 2.2	1 19 39.59	.....	− 8 37 52.6	....
25	η Piscium	8	27 37.87	− 0.56	**−49.01**	335 56 10.98	42.395	+ 3.40	− 25.4	1 26 48.32	.....	+14 53 47.1	....
26	ν Piscium	8	37 42.51	− 0.53	**−49.02**	326 4 10.38	45.772	+ 3.35	− 38.3	1 36 52.99	.....	+ 5 2 50.6	....
	August 4, Ep.												
27	β Ceti	8	40 2.97	− 0.50	**−49.55**	302 34 9.18	46.428	+ 3.15	−1 29.5	0 39 12.91	.....	−18 27 47.6	....
28	ζ Andromedæ	8	43 32.53	− 0.57	**−49.55**	344 48 7.25	46.600	+ 3.15	− 15.5	0 42 42.40	.....	+23 47 29.7	....
29	ε Piscium	8	59 14.69	− 0.51	**−49.56**	328 26 9.35	46.785	+ 3.15	− 35.2	0 58 24.61	.....	+ 7 25 15.3	....
30	θ Ceti	8	20 29.71	− 0.49	**−49.59**	312 24 8.85	44.982	+ 3.15	−1 2.8	1 19 39.65	.....	− 8 37 52.9	....
31	α Ursæ Minoris	8	29 14.69	−26.76	−49.58	49 50 9.88	44.375	+ 3.15	+1 8.3	1 27 58.35	.....	+88 50 5.2	....
32	ν Piscium	8	37 43.08	− 0.50	**−49.50**	326 4 9.68	45.830	+ 3.15	− 38.6	1 36 53.00	.....	+ 5 2 50.8	....
33	ο Piscium	8	41 36.73	− 0.51	**−49.58**	329 44 9.35	46.495	+ 3.15	− 33.5	1 40 46.64	.....	+ 8 43 11.1	....
34	Moon II, N.	8	4 51.74	− 0.54	−49.59	335 10 10.52	46.018	+ 3.15	− 26.6	2 4 1.61	−65.98	+14 9 8.7	....
	August 5, Ep.												
35	Sun I, S.	8	1 4.67	− 0.48	−49.73	337 42 10.92	47.430	+ 3.43	− 22.8	9 0 14.46	+66.18	+16 41 44.3	....
36	Sun II, N.	8	3 17.03	− 0.48	−49.73	338 14 3.02	46.610	+ 3.43	− 22.2	9 2 26.82	−66.18	+17 13 19.1	....
37	δ Aquilæ	8	21 56.99	− 0.51	**−49.92**	323 58 3.42	44.865	+ 3.70	− 41.0	19 21 6.54	.....	+ 2 56 21.5	....
38	β Cygni	8	28 3.51	− 0.61	**−49.96**	348 48 4.92	43.992	+ 3.70	− 11.4	19 27 12.96	.....	+27 46 31.6	....
39	γ Aquilæ	8	42 57.85	− 0.53	**−49.96**	331 26 4.75	43.350	+ 3.70	− 30.8	19 42 7.38	.....	+10 23 57.3	....
40	α Aquilæ	8	47 22.72	− 0.52	**−49.95**	329 40 6.02	43.988	+ 3.70	− 33.1	19 46 32.26	.....	+ 8 38 11.2	....
41	γ Sagittæ	8	55 43.82	− 0.56	**−49.95**	340 16 5.28	46.185	+ 3.70	− 20.3	19 54 53.31	.....	+19 15 13.7	....
42	θ Aquilæ	8	7 39.36	− 0.51	**−49.96**	319 56 6.10	46.988	+ 3.70	− 47.5	20 6 48.90	.....	− 1 4 54.6	....
43	Uranus C,	8	14 15.91	− 0.51	−49.95	300 30 5.38	45.391	+ 3.70	−1 35.5	20 13 25.45	.....	−20 32 19.0	....
	August 5, P.												
44	ζ Andromedæ	8	43 32.91	− 0.59	**−49.88**	344 48 9.82	46.472	+ 3.30	− 15.8	0 42 42.39	.....	+23 47 29.2	....
45	ε Piscium	8	59 15.08	− 0.52	**−49.91**	328 26 10.60	46.732	+ 3.30	− 35.0	0 58 24.62	.....	+ 7 25 15.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 0 21	......	....	59.8
0 42	29.753	61.0	59.0
2 8 52	29.786	75.2	75.6
18 14	29.716	67.2	64.7
18 41	......	....	64.5
19 3	29.712	66.0	64.5
19 30	29.726	67.0	65.9
0 31	29.764	61.2	59.3
0 59	29.778	61.0	59.2
1 34	29.787	60.2	58.1
3 0 38	29.820	58.0	57.0
1 2	......	....	57.0
1 25	......	....	56.5
1 39	29.830	58.0	56.0
4 0 40	......	....	54.4
0 44	29.930	55.8	....
0 59	......	....	54.1
1 29	29.940	55.3	53.6
1 42	29.938	55.0	53.3
2 5	29.948	55.0	53.6
5 9 3	30.010	72.0	71.0
19 22	29.996	64.0	63.3
19 43	29.996	63.7	62.3
19 56	......	....	62.0
20 14	29.998	62.7	63.0
0 41	29.984	59.0	57.8
1 2	......	....	58.0

Micrometer bisections are made at II, VI, except as noted below.

5, 35. Bisections at I, II.
6. Bisection at VII.
13. Bisections at II, III, V.
19, 31. Bisections at $9^{r}.5$, $10^{r}.5$.
23, 34. Bisections at II, III, V, VI.
36. Bisections at VI, VII.
43. Bisections at I, II, VI, VII.

Notes.

7–12, 44, 45. Clouds.
13–15. Clouds; poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 3.1	+15 46.3	...	+15 49.4
6	+ 3.1	−15 46.3	...	−15 43.2
13	+32 49.0	−15 4.9	...	+17 44.1
23	+28 15.7	−15 14.9	...	+13 0.8
34	+23 30.6	−15 27.0	...	+ 8 3.6
35	+ 3.3	+15 47.4	...	+15 50.7
36	+ 3.2	−15 47.3	...	−15 44.1
43	+ 0.4	....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Mics. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Piscium	8	27 38.84	− 0.55	**−49.93**	335 56 11.32	42.410	+ 3.30	− 25.5	1 26 48.34	.....	+14 53 47.6	....
2	ν Piscium	8	37 43.51	− 0.52	**−49.97**	326 4 11.82	45.765	+ 3.30	− 38.4	1 36 53.04	.....	+ 5 2 51.8	....
3	ο Piscium	8	41 37.17	− 0.53	**−49.97**	329 44 10.15	46.488	+ 3.30	− 33.3	1 40 46.69	.....	+ 8 43 12.1	....
4	β Arietis	8	50 39.01	− 0.57	**−49.96**	341 24 10.92	45.062	+ 3.30	− 19.2	1 49 48.49	.....	+20 22 54.6	....
	August 6, Ep.												
5	γ Pegasi	8	9 35.54	− 0.55	**−50.45**	335 44 9.02	42.702	+ 4.21	− 25.6	0 8 44.52	.....	+14 41 53.1	....
6	ι Ceti	8	15 50.21	− 0.50	**−50.45**	311 44 8.38	43.708	+ 4.21	−1 3.5	0 14 59.24	.....	− 9 18 22.3	....
7	β Ceti	8	40 3.98	− 0.51	**−50.49**	302 34 10.95	46.288	+ 4.21	−1 28.5	0 39 12.99	.....	−18 27 47.0	....
8	ζ Andromedæ	8	43 33.56	− 0.59	**−50.50**	344 48 9.12	46.498	+ 4.21	− 15.4	0 42 42.49	.....	+23 47 30.4	....
	August 7, Ep.												
9	Sun I, N	8	8 45.78	− 0.53	−50.66	337 41 59.65	43.970	+ 3.58	− 22.6	9 7 54.59	+65.93	+16 40 14.3	....
10	Sun II, S	8	10 57.65	− 0.53	−50.66	337 10 1.32	45.052	+ 3.58	− 23.2	9 10 6.46	−65.94	+16 8 40.8	....
11	α Herculis	8	11 31.66	− 0.52	**−50.80**	335 30 1.40	46.985	+ 4.20	− 25.4	17 10 40.31	.....	+14 29 23.5	....
12	α Ophiuchi	8	31 44.68	− 0.51	**−50.83**	333 38 2.50	47.025	+ 4.20	− 27.6	17 30 53.33	.....	+12 37 23.6	....
13	β Ophiuchi	8	40 1.31	− 0.49	**−50.83**	325 38 3.00	44.218	+ 4.20	− 38.2	17 39 9.98	.....	+ 4 36 9.2	....
14	μ Herculis	8	43 54.54	− 0.59	**−50.81**	348 48 2.75	43.555	+ 4.20	− 11.0	17 43 3.11	.....	+27 46 20.3	....
15	η Serpentis	8	17 39.42	− 0.48	**−50.84**	318 6 4.15	45.880	+ 4.20	− 50.1	18 16 48.08	.....	− 2 55 23.8	....
16	109 Herculis	8	20 50.74	− 0.55	**−50.86**	342 44 4.25	47.542	+ 4.20	− 17.4	18 19 59.33	.....	+21 43 47.0	....
	August 7, P.												
17	ε Piscium	8	59 16.11	− 0.51	**−50.89**	328 26 9.42	46.750	+ 4.95	− 34.7	0 58 24.72	.....	+ 7 25 16.9	....
18	θ Ceti	8	20 31.10	− 0.49	**−50.89**	312 24 10.30	44.875	+ 4.75	−1 1.9	1 19 39.73	.....	− 8 37 51.4	....
19	η Piscium	8	27 39.88	− 0.54	**−50.92**	335 56 10.98	42.370	+ 4.68	− 25.3	1 26 48.45	.....	+14 53 47.9	....
20	ν Piscium	8	37 44.49	− 0.51	**−50.90**	326 4 12.75	45.660	+ 4.58	− 38.1	1 36 53.09	.....	+ 5 2 51.9	....
21	ο Piscium	8	41 38.19	− 0.52	**−50.94**	329 44 9.82	46.430	+ 4.55	− 33.0	1 40 46.78	.....	+ 8 43 12.0	....
22	β Arietis	8	50 39.99	− 0.56	**−50.89**	341 24 11.65	45.002	+ 4.46	− 19.0	1 49 48.54	.....	+20 22 55.3	....
	August 12, P.												
23	β Aquilæ	8	51 55.91	− 0.45	**−53.15**	327 12 8.82	46.625	+ 6.60	− 35.3	19 51 2.29	.....	+ 6 11 15.4	....
24	γ Sagittæ	8	55 46.96	− 0.51	**−53.14**	340 16 10.38	45.900	+ 6.57	− 19.7	19 54 53.28	.....	+19 15 15.8	....
25	θ Aquilæ	8	7 42.51	− 0.43	**−53.17**	319 56 8.40	46.720	+ 6.50	− 46.2	20 6 48.90	.....	− 1 4 54.3	....
26	Uranus C, C	8	13 12.76	− 0.41	−53.18	300 26 10.35	46.435	+ 6.46	−1 33.2	20 12 19.17	.....	−20 35 45.4	....
27	ε Delphini	8	29 57.05	− 0.47	**−53.20**	332 2 10.55	43.905	+ 6.35	− 29.2	20 29 3.39	.....	+11 0 20.0	....
28	α Delphini	8	36 29.51	− 0.49	**−53.17**	336 38 9.15	43.340	+ 6.30	− 23.7	20 35 35.83	.....	+15 36 11.7	....
29	μ Aquarii	8	48 51.38	− 0.42	**−53.26**	311 44 10.50	42.525	+ 6.23	−1 1.6	20 47 57.77	.....	− 9 18 43.3	....
	August 13, P.												
30	Sun I	8	31 35.20	− 0.47	−53.48	335 42	......	....	.....	9 30 41.25	+65.51	.. ..	....
31	Sun II	8	33 46.22	− 0.47	−53.48	... .	......	....	.....	9 32 52.27	−65.51	.. ..	....
32	η Ophiuchi	8	6 16.41	− 0.40	**−53.68**	305 26 9.02	42.088	+ 6.40	−1 16.5	17 5 22.34	.....	−15 37 10.1	....
33	α Herculis	8	11 34.41	− 0.48	**−53.66**	335 30 10.68	46.515	+ 6.40	− 24.8	17 10 40.26	.....	+14 29 24.9	....
34	α Ophiuchi	8	31 47.36	− 0.47	**−53.62**	333 38 7.98	46.685	+ 6.40	− 27.1	17 30 53.21	.....	+12 37 24.0	....
35	β Ophiuchi	8	40 4.11	− 0.44	**−53.74**	325 38 10.75	43.805	+ 6.40	− 37.4	17 39 9.99	.....	+ 4 36 10.5	....
36	μ Herculis	8	43 57.31	− 0.56	**−53.69**	348 48 11.85	43.098	+ 6.40	− 10.8	17 43 3.07	.....	+27 46 21.4	....
	August 14, Ep.												
37	β Ceti	8	40 7.97	− 0.42	**−54.36**	302 34 11.78	46.115	+ 5.96	−1 26.4	0 39 13.19	.....	−18 27 46.2	....
38	ζ Andromedæ	8	43 37.56	− 0.54	**−54.33**	344 48 10.52	46.405	+ 5.96	− 15.0	0 42 42.66	.....	+23 47 31.9	....
39	ε Piscium	8	59 19.73	− 0.46	**−54.38**	328 26 12.58	46.555	+ 5.96	− 34.0	0 58 24.91	.....	+ 7 25 17.3	....
40	θ Ceti	8	20 34.69	− 0.43	**−54.34**	312 24 11.70	44.710	+ 5.96	−1 0.6	1 19 39.89	.....	− 8 37 51.2	....
41	α Ursæ Minoris	8	29 31.44	−27.22	−54.37	49 50 13.95	44.290	+ 5.96	+1 5.8	1 28 9.85	.....	+88 50 7.7	....
42	α Arietis	8	3 9.66	− 0.53	**−54.43**	344 4 13.48	45.038	+ 5.96	− 15.8	2 2 14.74	.....	+23 3 1.6	....
	August 15, Ep.												
43	Sun I, N	8	39 7.29	− 0.50	−54.56	335 20 5.98	42.278	+ 5.54	− 24.9	9 38 12.23	+65.29	+14 17 42.3	....
44	Sun II, S	8	41 17.86	− 0.50	−54.56	334 48 8.02	43.250	+ 5.54	− 25.5	9 40 22.80	−65.28	+13 46 6.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 1 35	......	....	57.0
1 52	29.987	58.9	57.0
6 0 11	29.996	62.5	60.7
0 35	29.988	62.3	60.5
7 9 11	30.036	75.9	76.6
17 12	30.006	70.7	69.1
17 32	......	....	68.8
17 46	30.002	69.8	68.2
18 24	30.008	68.8	67.7
0 57	29.982	63.2	62.0
1 23	......	....	61.2
1 53	29.990	62.1	61.2
12 19 50	29.876	76.0	75.0
20 17	......	....	74.5
20 39	......	....	74.0
20 51	29.870	75.0	73.9
13 17 4	29.852	79.0	77.9
17 34	......	....	76.6
17 45	......	....	76.4
17 46	29.858	78.0	....
14 0 40	29.812	71.3	69.8
0 55	......	....	69.2
1 21	29.808	70.9	69.2
2 3	29.819	70.6	69.3
15 9 41	29.866	82.0	80.5

Micrometer bisections are made at II, VI, except as noted below.

9, 43. Bisections at I, II.
10, 44. Bisections at VI, VII.
26. Bisections at I, II, VI, VII.
41. Bisections at 9.5ʳ, 10.5ʳ.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 3.3	−15 46.8	...	−15 43.5
10	+ 3.3	+15 46.7	...	+15 50.0
26	+ 0.4	.. ....	...	+ 0.4
43	+ 3.6	−15 47.7	...	−15 44.1
44	+ 3.7	+15 47.7	...	+15 51.4

Notes.

1–4, 6. Clouds at times.
37–42. Conditions poor.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris s. p.	8	28 38.06	+25.88	−54.64	52 10 8.22	43.765	+ 5.07	+1 9.9	1 28 9.30	.....	+88 50 7.2	....
2	ε Aquilæ	8	56 35.53	− 0.53	**−54.71**	335 58 10.75	45.300	+ 5.65	− 24.5	18 55 40.24	.....	+14 56 56.9	....
3	ζ Aquilæ	8	2 19.81	− 0.52	**−54.76**	334 46 9.55	42.872	+ 5.65	− 25.9	19 1 24.52	.....	+13 43 58.8	....
4	δ Aquilæ	7	22 1.78	− 0.49	**−54.75**	323 58 9.72	44.495	+ 5.65	− 40.0	19 21 6.52	.....	+ 2 56 22.3	....
5	β Aquilæ	8	51 57.52	− 0.50	**−54.71**	327 12 9.92	46.600	+ 5.65	− 35.4	19 51 2.24	.....	+ 6 11 14.9	....
6	γ Sagittæ	8	55 48.65	− 0.55	**−54.80**	340 16 10.45	45.915	+ 5.65	− 19.7	19 54 53.32	.....	+19 15 15.3	....
7	θ Aquilæ	8	7 44.15	− 0.48	**−54.76**	319 56 11.78	46.600	+ 5.65	− 46.3	20 6 48.88	.....	− 1 4 54.6	....
8	Uranus C, C.	8	12 47.03	− 0.46	−54.79	300 26 12.35	42.665	+ 5.65	−1 33.4	20 11 51.78	.....	−20 37 10.5	....
	August 15, P.												
9	ε Piscium	8	59 20.28	− 0.50	**−54.87**	328 26 8.32	46.775	+ 6.04	− 34.2	0 58 25.00	.....	+ 7 25 18.0	....
10	θ Ceti	8	20 35.16	− 0.47	**−54.75**	312 24 8.58	44.885	+ 6.04	−1 0.9	1 19 39.91	.....	− 8 37 50.6	....
11	η Piscium	8	27 43.93	− 0.53	**−54.79**	335 56 8.65	42.475	+ 6.04	− 24.9	1 26 48.64	.....	+14 53 49.8	....
12	ο Piscium	8	41 42.28	− 0.50	**−54.82**	329 44 7.70	46.495	+ 6.04	− 32.5	1 40 46.99	.....	+ 8 43 13.3	....
13	β Arietis	8	50 44.16	− 0.56	**−54.82**	341 24 8.52	45.095	+ 6.04	− 18.7	1 49 48.81	.....	+20 22 56.2	....
14	α Arietis	8	3 10.15	− 0.57	**−54.85**	344 4 9.52	45.230	+ 6.04	− 15.9	2 2 14.78	.....	+23 3 2.1	....
	August 16, P.												
15	Sun I, N.	8	42 52.34	− 0.51	−54.95	335 0 0.68	45.560	+ 4.96	− 25.6	9 41 56.88	+65.40	+13 58 50.7	....
16	Sun II, S.	8	45 3.15	− 0.51	−54.95	334 28 1.28	46.430	+ 4.96	− 26.2	9 44 7.69	−65.41	+13 27 11.5	....
17	Moon I.	7	8 13.31	− 0.42	−55.02	312 34	......	....	. ....	13 7 17.87	+66.90	.. ..	....
18	α Virginis	8	21 29.76	− 0.41	[**−55.02**]	310 20 10.10	43.770	+ 5.35	−1 4.1	13 20 34.33	.....	−10 42 19.0	....
19	α Ursæ Minoris s. p.	8	28 39.06	+27.12	−55.03	52 10 8.05	43.735	+ 5.35	+1 10.3	1 28 11.15	.....	+88 50 7.4	....
20	α Ophiuchi	8	31 48.84	− 0.50	**−55.11**	333 38 12.00	46.565	+ 5.28	− 27.4	17 30 53.23	.....	+12 37 23.9	....
21	β Ophiuchi	8	40 5.48	− 0.48	**−55.10**	325 38 10.75	43.855	+ 5.28	− 37.8	17 39 9.89	.....	+ 4 36 10.2	....
22	μ Herculis	8	43 58.73	− 0.58	**−55.14**	348 48 11.98	43.170	+ 5.28	− 10.9	17 43 3.04	.....	+27 46 21.9	....
23	ζ Aquilæ	7	2 20.19	− 0.50	**−55.16**	334 46 13.42	42.730	+ 5.28	− 26.1	19 1 24.55	.....	+13 43 58.8	....
24	γ Aquilæ	8	43 2.98	− 0.49	**−55.15**	331 26 15.00	42.860	+ 5.28	− 30.2	19 42 7.34	.....	+10 23 58.5	....
25	α Aquilæ	8	47 27.82	− 0.49	**−55.10**	329 40 14.60	43.580	+ 5.28	− 32.5	19 46 32.18	.....	+ 8 38 12.7	....
	August 18, P.												
26	Moon I.	8	51 51.35	− 0.40	−56.05	300 52	......	....	. ....	14 50 54.90	+68.07	.. ..	....
27	κ Ophiuchi	8	54 28.82	− 0.45	**−56.12**	330 32 8.65	44.788	+ 6.81	− 30.4	16 53 32.28	.....	+ 9 30 38.1	....
28	η Ophiuchi	8	6 18.71	− 0.40	**−56.04**	305 26 7.52	42.090	+ 6.81	−1 15.6	17 5 22.21	.....	−15 37 10.2	....
29	α Herculis	8	11 36.76	− 0.47	**−56.08**	335 30 7.80	46.595	+ 6.81	− 24.5	17 10 40.19	.....	+14 29 24.6	....
30	α Ophiuchi	8	31 49.81	− 0.46	**−56.14**	333 38 8.98	46.605	+ 6.81	− 26.7	17 30 53.24	.....	+12 37 24.0	....
31	β Ophiuchi	7	40 6.39	− 0.44	**−56.07**	325 38 8.95	43.832	+ 6.81	− 36.9	17 39 9.84	.....	+ 4 36 10.3	....
32	μ Herculis	6	43 59.65	− 0.54	**−56.13**	348 48 10.02	43.195	+ 6.81	− 10.7	17 43 3.00	.....	+27 46 22.3	....
33	72 Ophiuchi	8	4 9.66	− 0.45	**−56.13**	330 34 7.32	45.920	+ 6.81	− 30.5	18 3 13.09	.....	+ 9 33 2.2	....
	August 18, M.												
34	ε Piscium	8	59 21.66	− 0.46	**−56.21**	328 26 13.80	46.480	+ 6.39	− 33.5	0 58 25.01	.....	+ 7 25 17.8	....
35	θ Ceti	8	20 36.61	− 0.43	**−56.16**	312 24 11.55	44.675	+ 6.39	− 59.6	1 19 39.98	.....	− 8 37 50.7	....
36	α Ursæ Minoris	8	29 36.82	−27.52	−56.20	49 50 15.88	44.248	+ 6.39	+1 4.8	1 28 13.10	.....	+88 50 8.1	....
37	ν Piscium	8	37 50.05	− 0.46	**−56.21**	326 4 12.62	45.612	+ 6.39	− 36.7	1 36 53.38	.....	+ 5 2 53.9	....
38	ο Piscium	8	41 43.72	− 0.47	**−56.21**	329 44 11.62	46.270	+ 6.39	− 31.8	1 40 47.04	.....	+ 8 43 13.2	....
39	β Arietis	8	50 45.64	− 0.52	**−56.25**	341 24 12.82	44.875	+ 6.39	− 18.3	1 49 48.92	.....	+20 22 56.2	....
40	α Arietis	8	3 11.58	− 0.54	**−56.22**	344 4 13.88	45.042	+ 6.39	− 15.6	2 2 14.84	.....	+23 3 2.8	....
	August 19, M.												
41	Sun I, S.	8	54 4.71	− 0.45	−56.35	333 30 2.68	46.640	+ 5.85	− 26.5	9 53 7.91	+65.04	+12 29 17.0	....
42	Sun II, N.	8	56 14.79	− 0.45	−56.35	334 1 59.82	45.725	+ 5.85	− 25.9	9 55 17.99	−65.04	+13 0 54.6	....
43	Moon I.	8	45 32.81	− 0.45	−56.47	296 32	......	....	. ....	15 44 35.89	+69.15	.. ..	....
	August 20, M.												
44	β Cygni	8	28 10.42	− 0.58	**−57.00**	348 48 10.88	43.790	+ 5.75	− 10.7	19 27 12.83	.....	+27 46 35.7	....
45	γ Aquilæ	8	43 4.84	− 0.49	**−57.02**	331 26 12.15	42.998	+ 5.75	− 29.6	19 42 7.33	.....	+10 23 59.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 13 29	29.831	81.9	81.6
18 52	29.845	74.6	73.8
19 18	29.849	74.0	73.0
19 49	29.850	73.8	73.1
20 13	29.858	73.9	73.2
0 57	29.876	70.0	68.1
1 23	......	....	68.0
2 0	......	....	67.4
2 5	29.686	69.0	67.5
16 9 45	29.978	77.7	76.8
13 19	......	....	80.0
13 33	29.943	81.0	80.0
17 30	29.954	74.0	73.0
19 5	29.974	73.1	71.9
19 49	29.982	73.0	71.0
18 16 52	[illegible]	83.8	83.0
17 14	......	....	82.5
17 34	......	....	82.0
17 46	29.774	82.5	82.0
18 6	29.772	82.0	81.0
0 59	29.734	75.8	75.7
1 21	......	....	76.1
1 51	......	....	75.7
2 3	29.740	75.7	75.4
19 9 56	29.756	90.0	89.0
20 19 24	[illegible]	76.8	76.3

Micrometer bisections are made at II, VI, except as noted below.

1, 19, 36.	Bisections at 9.5r, 10.5r.
8.	Bisections at I, II, VI, VII.
15, 41.	Bisections at I, II.
16, 42.	Bisections at VI, VII.
22, 23, 30.	Bisections at II, VII.

Notes.

4.	Haze.
6.	Faint.
9–11, 20–23, 30–33, 44.	Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+ 0.4	.. ....	...	+ 0.4
15	+ 3.6	−15 49.5	...	−15 45.9
16	+ 3.7	+15 49.6	...	+15 53.3
41	+ 3.8	+15 48.8	...	+15 52.6
42	+ 3.8	−15 48.8	...	−15 45.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Aquilæ	8	47 29.76	− 0.49	**−57.05**	329 40 12.48	43.645	+ 5.75	− 31.8	19 46 32.25	.....	+ 8 38 13.2	....
2	β Aquilæ	8	51 59.81	− 0.48	**−57.04**	327 12 11.75	46.560	+ 5.75	− 35.0	19 51 2.31	.....	+ 6 11 16.3	....
3	γ Sagittæ	8	55 50.82	− 0.53	**−57.01**	340 16 11.68	45.910	+ 5.75	− 19.5	19 54 53.27	.....	+19 15 16.7	....
4	θ Aquilæ	8	7 46.38	− 0.46	**−57.01**	319 56 11.78	46.640	+ 5.75	− 45.8	20 6 48.89	.....	− 1 4 53.0	....
5	Uranus C, C	8	12 5.52	− 0.44	−57.03	300 24 12.35	42.020	+ 5.75	−1 32.6	20 11 8.05	.....	−20 39 24.2	....
	August 21, M.												
6	Sun I, S	8	1 30.40	− 0.42	−57.30	332 50 9.60	47.398	+ 5.74	− 27.3	10 0 32.68	+64.94	+11 49 40.1	....
7	Sun II, N	8	3 40.27	− 0.42	−57.30	333 22 10.32	46.362	+ 5.74	− 26.7	10 2 42.55	−64.93	+12 21 18.8	....
	August 22, Ep.												
8	Sun N	.	.. ..	.....	.....	333 2 10.12	46.155	+ 5.55	− 27.1	10 5	.....	+12 1 12.4	....
9	Sun S	.	.. ..	.....	.....	332 30 10.65	47.085	+ 5.55	− 27.7	.. ..	.....	+11 29 33.8	....
10	Moon I, S	8	33 35.78	− 0.47	−58.15	291 36 11.00	47.756	+ 6.18	−2 14.8	18 32 37.16	+69.99	−29 25 56.5	....
11	110 Herculis	8	42 53.56	− 0.53	**−58.17**	341 28 12.25	47.082	+ 6.18	− 18.0	18 42	.....	+20 27 46.6	....
12	d Sagittarii	8	13 30.96	− 0.45	**−58.12**	301 56 14.25	43.688	+ 6.18	−1 26.4	19 13	.....	−19 6 38.5	....
13	δ Aquilæ	8	22 5.11	− 0.47	**−58.14**	323 58 12.18	44.360	+ 6.18	− 39.3	19 21	.....	+ 2 56 22.9	....
	August 23, M.												
14	110 Herculis	8	42 53.87	− 0.52	**−58.50**	341 28 10.78	47.205	+ 4.82	− 18.5	18 41 54.90	.....	+20 27 46.0	....
15	ε Aquilæ	8	56 39.22	− 0.50	**−58.51**	335 58 10.08	45.400	+ 4.82	− 24.6	18 55 40.26	.....	+14 56 57.6	....
16	ζ Aquilæ	8	2 23.44	− 0.50	**−58.47**	334 46 12.32	42.845	+ 4.82	− 26.0	19 1 24.48	.....	+13 44 0.1	....
17	δ Aquilæ	8	22 5.45	− 0.47	**−58.49**	323 58 11.80	44.488	+ 4.82	− 40.2	19 21 6.51	.....	+ 2 56 23.2	....
18	Moon I, S	8	28 51.96	− 0.48	−58.47	292 56 10.65	45.050	+ 4.82	−2 9.7	19 27 53.01	+68.80	−28 6 55.9	....
19	γ Aquilæ	8	43 6.25	− 0.49	**−58.45**	331 26 11.30	43.100	+ 4.82	− 30.1	19 42 7.29	.....	+10 24 0.0	....
20	α Aquilæ	8	47 31.17	− 0.48	**−58.49**	329 40 12.98	43.715	+ 4.82	− 32.3	19 46 32.22	.....	+ 8 38 13.9	....
21	Uranus C, C	8	11 41.94	− 0.46	−58.48	300 22 12.15	44.088	+ 4.82	−1 34.1	20 10 43.00	.....	−20 40 39.5	....
	August 23, Ep.												
22	θ Ceti	8	20 39.37	− 0.48	**−58.74**	312 24 17.75	44.580	+ 4.11	−1 1.1	1 19 40.12	.....	− 8 37 50.5	....
23	α Ursæ Minoris	8	29 40.13	−24.60	−58.77	49 50 20.42	44.165	+ 4.11	+1 6.4	1 28 16.76	.....	+88 50 10.1	....
24	ο Piscium	8	41 46.41	− 0.50	**−58.74**	329 44 19.32	46.115	+ 4.11	− 32.6	1 40 47.14	.....	+ 8 43 14.2	....
25	μ Ceti	8	41 12.46	− 0.50	**−58.74**	330 46 19.92	45.152	+ 4.11	− 31.3	2 40 13.17	.....	+ 9 44 53.6	....
26	η Eridani	8	53 9.01	− 0.48	**−58.72**	311 48 19.45	42.970	+ 4.11	−1 2.6	2 52 9.73	.....	− 9 14 26.8	....
27	α Ceti	8	58 42.14	− 0.49	**−58.85**	324 46 21.15	45.902	+ 4.11	− 39.6	2 57 42.85	.....	+ 3 45 4.0	....
28	δ Arietis	8	7 37.15	− 0.53	**−58.81**	340 26 19.68	42.100	+ 4.11	− 20.0	3 6 37.82	.....	+19 23 55.6	....
	August 24, Ep.												
29	Sun I, N	8	12 35.61	− 0.44	−58.95	332 22 8.40	44.425	+ 4.43	− 28.4	10 11 36.22	+64.69	+11 20 28.4	....
30	Sun II, S	8	14 44.99	− 0.44	−58.95	331 50 7.38	45.342	+ 4.43	− 29.1	10 13 45.60	−64.69	+10 48 48.0	....
31	α Virginis	8	21 33.58	− 0.44	[**−58.88**]	310 20 4.98	44.040	+ 4.94	−1 3.6	13 20 34.12	.....	−10 42 17.9	....
32	α Ursæ Minoris S. P.	8	28 52.94	+24.35	−59.02	52 10 5.98	43.760	+ 4.94	+1 9.8	1 28 18.27	.....	+88 50 9.8	....
33	110 Herculis	8	42 54.49	− 0.50	**−59.15**	341 28 6.02	47.408	+ 5.47	− 18.4	18 41 54.86	.....	+20 27 46.7	....
34	ε Aquilæ	8	56 39.86	− 0.48	**−59.18**	335 58 7.50	45.520	+ 5.47	− 24.5	18 55 40.24	.....	+14 56 58.5	....
35	ζ Aquilæ	8	2 24.08	− 0.47	**−59.15**	334 46 5.70	43.108	+ 5.47	− 26.0	19 1 24.47	.....	+13 44 0.1	....
36	δ Aquilæ	8	22 6.04	− 0.45	**−59.10**	323 58 7.80	44.635	+ 5.47	− 40.1	19 21 6.44	.....	+ 2 56 23.3	....
37	β Cygni	8	28 12.48	− 0.54	**−59.14**	348 48 6.85	43.985	+ 5.47	− 10.9	19 27 12.79	.....	+27 46 35.6	....
38	γ Aquilæ	8	43 6.91	− 0.46	**−59.15**	331 26 9.28	43.145	+ 5.47	− 30.0	19 42 7.29	.....	+10 23 59.7	....
39	Uranus C, C	8	11 34.51	− 0.45	−59.17	300 22 9.28	43.062	+ 5.47	−1 34.0	20 10 34.89	.....	−20 41 5.0	....
40	Moon I, S	8	22 0.84	− 0.47	−59.17	295 32 12.50	46.270	+ 5.47	−1 54.9	20 21 1.20	+67.10	−25 30 10.5	....
	August 25, M.												
41	δ Aquilæ	8	22 6.41	− 0.48	**−59.45**	323 58 5.70	44.668	+ 5.74	− 39.5	19 21 6.49	.....	+ 2 56 22.8	....
42	β Cygni	8	28 12.79	− 0.58	**−59.42**	348 48 7.18	43.965	+ 5.74	− 10.7	19 27 12.77	.....	+27 46 36.0	....
43	γ Aquilæ	8	43 7.25	− 0.50	**−59.45**	331 26 5.92	43.260	+ 5.74	− 29.6	19 42 7.31	.....	+10 23 59.7	....
44	α Aquilæ	8	47 32.12	− 0.49	**−59.44**	329 40 8.65	43.845	+ 5.74	− 31.8	19 46 32.19	.....	+ 8 38 14.0	....
45	β Aquilæ	8	52 2.17	− 0.49	**−59.42**	327 12 7.35	46.790	+ 5.74	− 35.0	19 51 2.23	.....	+ 6 11 17.2	....
46	γ Sagittæ	8	55 53.26	− 0.53	**−59.48**	340 16 8.05	46.102	+ 5.74	− 19.5	19 54 53.28	.....	+19 15 17.5	....
47	Moon I, S	8	12 32.48	− 0.49	−59.47	299 16 11.05	43.888	+ 5.74	−1 37.0	21 11 32.52	+65.24	−21 46 48.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 19 52	......	....	75.8
20 12	29.670	76.6	75.1
21 10 4	29.596	86.4	85.4
22 10 7	29.516	84.8	83.8
18 34	29.456	78.4	77.3
19 22	29.452	77.7	76.1
23 18 43	29.758	71.7	70.3
19 2	......	....	70.2
19 29	29.784	71.2	70.0
20 12	29.788	70.7	69.5
1 21	29.808	66.1	65.1
1 42	29.808	65.8	64.7
2 41	29.830	65.7	65.0
3 8	29.838	63.9	62.4
24 10 15	29.930	80.8	81.0
13 22	29.900	83.6	83.3
18 43	29.876	74.8	73.4
19 2	......	....	73.0
19 22	29.872	74.0	72.6
19 43	29.869	73.7	72.2
20 17	29.867	73.2	71.8
25 19 22	29.752	78.7	77.9
19 43	......	....	77.7
19 56	29.750	77.8	76.9
21 12	29.734	76.6	75.8

Micrometer bisections are made at II, VI, except as noted below.

5, 21, 39.	Bisections at I, II, VI, VII.
6, 8, 29.	Bisections at I, II.
7, 9, 30.	Bisections at VI, VII.
10, 18, 40, 47.	Bisections at II, III, V, VI.
23, 32.	Bisections at $9^{r}.5$, $10^{r}.5$.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 0.4	.. ....	...	+ 0.4
6	+ 3.9	+15 49.3	...	+15 53.2
7	+ 3.8	−15 49.3	...	−15 45.5
8	+ 3.9	−15 49.3	...	−15 45.4
9	+ 4.0	+15 49.2	...	+15 53.2
10	+50 20.6	+14 49.4	...	+65 10.0
18	+49 39.8	+14 45.8	...	+64 25.6
21	+ 0.4	.. ....	...	+ 0.4
29	+ 4.0	−15 50.2	...	−15 46.2
30	+ 4.1	+15 50.1	...	+15 54.2
39	+ 0.4	.. ....	...	+ 0.4
40	+48 33.9	+14 44.4	...	+63 18.3
47	+46 58.1	+14 44.9	...	+61 43.0

Notes.

12, 13. Clouds; poor.
32. Conditions poor.
34, 35. Clouds.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	August 27, M.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Ceti	8	20 41.29	− 0.48	**−60.57**	312 24 14.65	44.772	+ 4.68	−1 1.9	1 19 40.26	.....	− 8 37 49.4	....
2	α Ursæ Minoris	8	29 47.19	−26.86	−60.56	49 50 14.98	44.385	+ 4.68	+1 7.3	1 28 19.77	.....	+88 50 11.1	....
3	ν Piscium	8	37 54.67	− 0.50	**−60.52**	326 4 15.20	45.665	+ 4.68	− 38.1	1 36 53.61	.....	+ 5 2 54.6	....
4	ο Piscium	8	41 48.33	− 0.51	**−60.55**	329 44 14.95	46.335	+ 4.68	− 33.0	1 40 47.26	.....	+ 8 43 14.1	....
5	β Arietis	8	50 50.27	− 0.55	**−60.60**	341 24 15.65	44.960	+ 4.68	− 19.0	1 49 49.15	.....	+20 22 58.6	....
6	α Arietis	8	3 16.21	− 0.56	**−60.57**	344 4 17.00	45.078	+ 4.68	− 16.2	2 2 15.08	.....	+23 3 4.4	....
	August 28, M.												
7	Sun I, S.	8	27 16.17	− 0.41	−60.74	330 26 9.42	46.670	+ 3.81	− 31.4	10 26 15.02	+64.54	+ 9 25 17.3	....
8	Sun II, N.	8	29 25.24	− 0.41	−60.74	330 58 5.52	45.965	+ 3.81	− 30.8	10 28 24.09	−64.53	+ 9 56 58.6	....
	August 29, Ep.												
9	Sun I, S.	8	30 55.64	− 0.45	−61.42	330 6 5.90	43.430	+ 3.68	− 31.4	10 29 53.77	+64.41	+ 9 3 59.7	....
10	Sun II, N.	8	33 4.45	− 0.45	−61.42	330 38 6.65	42.455	+ 3.68	− 30.7	10 32 2.58	−64.40	+ 9 35 39.7	....
11	λ Pegasi	8	43 22.51	− 0.55	**−61.65**	344 6 10.78	48.788	+ 4.26	− 15.9	22 42 20.29	.....	+23 6 22.8	....
12	λ Aquarii	8	49 6.89	− 0.47	**−61.71**	313 0 9.72	42.860	+ 4.26	− 59.9	22 48 4.75	.....	− 8 2 36.5	....
13	α Pegasi	8	1 27.71	− 0.51	**−61.69**	335 46 10.12	43.342	+ 4.26	− 25.1	23 0 25.53	.....	+14 44 9.2	....
14	κ Piscium	8	23 30.50	− 0.48	**−61.67**	321 48	......	....	. ....	23 22 28.34	.....	+ 0 46	....
15	α Andromedæ	8	4 55.22	− 0.58	**−61.68**	349 38 9.65	43.685	+ 4.26	− 10.2	0 3 52.94	.....	+28 36 31.3	....
16	γ Pegasi	8	9 47.22	− 0.51	**−61.69**	335 44 9.85	42.848	+ 4.26	− 25.2	0 8 45.01	.....	+14 41 57.8	....
17	Moon II, N.	8	17 22.50	− 0.49	−61.70	321 30 11.68	43.306	+ 4.26	− 44.6	0 16 20.31	−61.98	+ 0 27 50.1	....
	August 30, M.												
18	Sun I	8	34 34.31	− 0.48	−61.75	330 0	......	....	. ....	10 33 32.08	+64.38	.. ..	....
19	Sun II	8	36 43.06	− 0.48	−61.75	... .	......	....	. ....	10 35 40.83	−64.37	.. ..	....
20	α Virginis	8	21 36.42	− 0.49	[**−61.72**]	310 20 4.48	44.168	+ 4.39	−1 4.5	13 21	.....	−10 42 16.9	....
21	α Ursæ Minoris s. p.	6	29 0.85	+26.05	−61.81	52 10 4.35	43.730	+ 4.39	+1 10.8	1 28 25.09	.....	+88 50 11.5	....
	August 31, M.												
22	ν Piscium	8	37 56.76	− 0.47	**−62.58**	326 4 11.45	45.865	+ 4.43	− 37.6	1 36 53.71	.....	+ 5 2 55.7	....
23	ο Piscium	8	41 50.44	− 0.48	**−62.59**	329 44 9.62	46.610	+ 4.43	− 32.6	1 40 47.38	.....	+ 8 43 16.2	....
24	Moon II, N.	8	49 24.84	− 0.50	−62.58	333 32 11.90	46.616	+ 4.43	− 27.8	1 48 21.76	−64.84	+12 31 22.4	....
25	α Arietis	8	3 18.34	− 0.52	**−62.63**	344 4 8.68	45.478	+ 4.43	− 16.0	2 2 15.23	.....	+23 3 5.2	....
26	ξ^2 Ceti	8	24 34.26	− 0.48	**−62.58**	329 6 9.88	44.135	+ 4.43	− 33.5	2 23 31.19	.....	+ 8 4 18.7	....
27	δ Ceti	8	36 3.74	− 0.47	**−62.58**	321 0 8.42	42.205	+ 4.43	− 45.3	2 35 0.67	.....	− 0 2 38.7	....
28	μ Ceti	8	41 16.51	− 0.48	**−62.58**	330 46 10.18	45.662	+ 4.43	− 31.3	2.40 13.43	.....	+ 9 44 55.8	....
	September 5, Ep.												
29	η Eridani	8	52 15.97	− 0.44	− **5.35**	311 47 54.85	43.915	+ 6.47	−1 1.8	2 52 10.16	.....	− 9 14 26.7	....
30	α Ceti	8	57 48.99	− 0.45	− **5.37**	324 45 55.25	46.938	+ 6.47	− 39.0	2 57 43.17	.....	+ 3 45 4.7	....
31	δ Arietis	8	6 44.12	− 0.50	− **5.42**	340 25 53.55	43.200	+ 6.47	− 19.6	3 6 38.25	.....	+19 23 57.4	....
32	γ Eridani	8	54 3.33	− 0.44	− **5.37**	307 15 55.85	48.065	+ 6.47	−1 12.6	3 53 57.50	.....	−13 45 2.9	....
33	ν Tauri	8	58 36.51	− 0.46	− **5.40**	326 45 54.80	46.868	+ 6.47	− 36.2	3 58 30.66	.....	+ 5 45 5.8	....
34	o^1 Eridani	8	7 42.04	− 0.44	− **5.37**	313 57 54.85	46.025	+ 6.47	− 57.3	4 7 36.21	.....	− 7 3 34.5	....
35	Moon II	8	43 48.30	− 0.58	− 5.45	349 8	......	....	. ....	6 43 42.27	−77.42	.. ..	....
	September 6, Ep.												
36	Sun I, S.	8	58 59.08	− 0.43	− 5.54	327 10 9.92	45.218	+ 6.14	− 34.5	10 58 53.11	+64.04	+ 6 8 44.0	....
37	Sun II, N.	8	1 7.16	− 0.43	− 5.54	327 42 9.62	44.520	+ 6.14	− 33.9	11 1 1.19	−64.04	+ 6 40 29.0	....
38	α Virginis	8	20 40.03	− 0.37	[− **5.51**]	310 20 7.65	43.798	+ 5.76	−1 2.6	13 20 34.07	.....	−10 42 18.9	....
39	α Ursæ Minoris s. p.	8	28 8.94	+24.20	− 5.60	52 10 8.98	43.445	+ 5.76	+1 8.7	1 28 27.54	.....	+88 50 14.2	....
40	110 Herculis	8	42 0.84	− 0.48	− **5.71**	341 28 11.15	47.170	+ 6.65	− 18.0	18 41 54.65	.....	+20 27 47.9	....
41	ε Aquilæ	8	55 46.19	− 0.45	− **5.70**	335 58 10.60	45.358	+ 6.65	− 24.1	18 55 40.03	.....	+14 56 59.5	....
42	ζ Aquilæ	8	1 30.46	− 0.44	− **5.72**	334 46 9.42	42.912	+ 6.65	− 25.4	19 1 24.30	.....	+13 44 1.1	....
43	δ Aquilæ	8	21 12.42	− 0.41	− **5.66**	323 58 10.98	44.428	+ 6.65	− 39.3	19 21 6.29	.....	+ 2 56 23.7	....
44	β Cygni	8	27 18.84	− 0.52	− **5.69**	348 48 10.98	43.812	+ 6.65	− 10.7	19 27 12.59	.....	+27 46 37.2	....
45	γ Aquilæ	8	42 13.31	− 0.43	− **5.70**	331 26 10.85	43.055	+ 6.65	− 29.5	19 42 7.15	.....	+10 24 0.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 1 21	29.844	61.6	59.2
1 42	......	....	58.6
2 3	29.844	60.5	58.1
28 10 29	29.886	71.7	69.8
29 10 33	29.660	75.3	74.9
22 30	29.794	65.7	64.7
22 43	......	....	64.9
22 49	29.794	65.8	....
0 5	......	....	63.9
0 17	29.792	64.8	63.1
30 13 29	29.844	75.3	75.2
31 1 38	29.796	65.6	....
2 3	......	....	63.6
2 25	......	....	63.7
2 41	29.792	65.4	63.7
5 2 52	29.832	71.9	70.6
3 7	......	....	70.7
3 54	......	....	70.1
4 8	29.838	71.3	70.2
6 11 1	29.820	86.6	86.6
13 21	......	....	89.8
13 28	29.796	91.2	....
18 42	29.772	82.7	82.3
19 2	29.776	82.2	81.8
19 21	......	....	81.3
19 42	29.780	81.3	80.8

Micrometer bisections are made at II, VI, except as noted below.

2, 21, 39. Bisections at 9.5^r, 10.5^r.
7, 9, 36. Bisections at I, II.
8, 10, 37. Bisections at VI, VII.
17, 24. Bisections at II, III, V, VI.
20. Bisections at I, II, VI, VII.

Notes.

20, 21. Poor: very unsteady.
29–31. Conditions poor.
33. Faint.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 4.3	+15 50.6	...	+15 54.9
8	+ 4.2	−15 50.6	...	−15 46.4
9	+ 4.3	+15 50.0	...	+15 54.3
10	+ 4.2	−15 49.9	...	−15 45.7
17	+34 3.4	−15 1.8	...	+19 1.6
24	+24 43.4	−15 18.1	...	+ 9 25.3
36	+ 4.7	+15 52.5	...	+15 57.2
37	+ 4.6	−15 52.4	...	−15 47.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	September 6, M.		m s	s	s	° ′ ″	r	″	″	h m s	s	° ′ ″	″
1	ο Tauri	8	20 13.20	− 0.46	− **5.74**	329 46 4.25	42.180	+ 6.18	− 31.9	3 20 7.02	.....	+ 8 43 32.0	....
2	f Tauri	8	26 9.39	− 0.47	− **5.74**	333 40 3.12	44.490	+ 6.18	− 27.0	3 26 3.20	.....	+12 38 28.4	....
3	ε Eridani	8	28 55.48	− 0.42	− **5.73**	311 18 1.90	42.465	+ 6.18	−1 2.2	3 28 49.34	.....	− 9 44 53.6	....
4	γ Eridani	8	54 3.72	− 0.42	− **5.75**	307 16 5.18	47.645	+ 6.18	−1 11.8	3 53 57.57	.....	−13 45 2.7	....
5	δ Tauri	8	18 0.04	− 0.49	− **5.82**	338 22 4.35	44.232	+ 6.18	− 21.7	4 17 53.81	.....	+17 20 29.1	....
6	ε Tauri	8	23 37.06	− 0.50	− **5.74**	340 0 6.32	46.550	+ 6.18	− 19.9	4 23 30.82	.....	+18 59 26.0	....
	September 7, M.												
7	Sun I, N	8	2 35.77	− 0.43	− 5.88	327 20 8.65	43.510	+ 6.26	− 34.5	11 2 29.46	+64.03	+ 6 18 3.7	....
8	Sun II, S	8	4 43.83	− 0.43	− 5.88	326 48 4.22	44.440	+ 6.26	− 35.2	11 4 37.52	−64.03	+ 5 46 21.2	....
	September 8, Ep.												
9	ζ Andromedæ	8	42 50.63	− 0.54	− **6.88**	344 48 9.62	46.720	+ 5.36	− 15.1	0 42 43.22	.....	+23 47 37.5	....
10	ε Piscium	7	58 32.78	− 0.49	− **6.86**	328 26 11.28	46.818	+ 5.36	− 34.1	0 58 25.42	.....	+ 7 25 21.4	....
11	θ Ceti	8	19 47.84	− 0.47	− **6.87**	312 24 11.15	44.818	+ 5.36	−1 0.9	1 19 40.49	.....	− 8 37 50.2	....
12	α Ursæ Minoris	8	29 2.06	−24.05	− 6.89	49 50 10.35	44.760	+ 5.36	+1 6.2	1 28 31.12	.....	+88 50 14.6	....
13	β Arietis	8	49 56.84	− 0.52	− **6.90**	341 24 10.35	45.235	+ 5.36	− 18.7	1 46 49.43	.....	+20 23 0.6	....
14	α Arietis	8	2 22.86	− 0.54	− **6.92**	344 4 11.88	45.350	+ 5.36	− 15.9	2 2 15.42	.....	+23 3 6.5	....
15	ξ² Ceti	8	23 38.78	− 0.49	− **6.89**	329 6 12.70	44.020	+ 5.36	− 33.3	2 23 31.38	.....	+ 8 4 20.0	....
16	Mercury II, C	8	4 27.73	− 0.46	− 7.07	333 28 8.10	45.255	+ 5.26	− 27.1	10 4 20.20	− 0.23	+12 26 50.5	....
	September 9, Ep.												
17	Sun I, N	8	9 49.18	− 0.44	− 7.10	326 34 7.05	45.760	+ 5.50	− 35.6	11 9 41.64	+63.96	+ 5 32 52.1	....
18	Sun II, S	8	11 57.10	− 0.44	− 7.10	326 2 4.45	46.498	+ 5.50	− 36.3	11 11 49.56	−63.96	+ 5 1 5.9	....
19	η Serpentis	8	16 55.42	− 0.48	− **7.20**	318 6 8.68	45.640	+ 5.64	− 48.8	18 16 47.69	.....	− 2 55 22.0	....
20	110 Herculis	8	42 2.33	− 0.53	− **7.20**	341 28 9.40	47.308	+ 5.64	− 18.3	18 41 54.54	.....	+20 27 48.1	....
21	ε Aquilæ	8	55 47.72	− 0.51	− **7.21**	335 58 11.00	45.382	+ 5.64	− 24.3	18 55 39.95	.....	+14 56 59.3	....
22	ζ Aquilæ	8	1 32.01	− 0.50	− **7.25**	334 46 9.30	42.980	+ 5.64	− 25.8	19 1 24.24	.....	+13 44 1.2	....
23	δ Aquilæ	8	21 14.06	− 0.48	− **7.27**	323 58 10.22	44.528	+ 5.64	− 39.8	19 21 6.31	.....	+ 2 56 23.8	....
24	β Cygni	8	27 20.40	− 0.56	− **7.26**	348 48 9.95	43.938	+ 5.64	− 10.8	19 27 12.57	.....	+27 46 38.0	....
	September 9, M.												
25	f Tauri	8	26 11.11	− 0.48	− **7.37**	333 40 17.60	43.910	+ 5.97	− 27.6	3 26 3.36	.....	+12 38 28.8	....
26	ε Eridani	8	28 57.15	− 0.45	− **7.29**	311 18 14.88	41.968	+ 5.97	−1 3.3	3 28 49.43	.....	− 9 44 53.3	....
27	η Tauri	8	42 25.42	− 0.53	− **7.30**	344 52 15.50	42.932	+ 5.97	− 15.1	3 42 17.61	.....	+23 50 17.4	....
28	γ Eridani	8	54 5.39	− 0.45	− **7.31**	307 16 17.30	47.185	+ 5.97	−1 13.1	3 53 57.66	.....	−13 45 2.6	....
29	ν Tauri	8	58 38.54	− 0.47	− **7.30**	326 46 13.85	46.095	+ 5.97	− 36.5	3 58 30.79	.....	+ 5 45 6.4	....
30	ο¹ Eridani	8	7 44.09	− 0.45	− **7.29**	313 58 15.72	45.178	+ 5.97	− 57.8	4 7 36.36	.....	− 7 3 33.9	....
31	Mercury II, C	8	9 23.33	− 0.46	− 7.44	333 14 6.78	46.064	+ 6.01	− 27.4	10 9 15.43	− 0.23	+12 13 7.6	....
	September 10, M.												
32	Sun I, S	8	13 25.42	− 0.45	− 7.46	325 40 6.75	44.520	+ 5.49	− 36.9	11 13 17.51	+64.01	+ 4 38 21.7	....
33	Sun II, N	8	15 33.44	− 0.45	− 7.46	326 12 3.10	44.042	+ 5.49	− 36.1	11 15 25.53	−64.01	+ 5 10 8.9	....
34	α Virginis	8	20 42.04	− 0.45	[− **7.46**]	310 19 58.90	44.252	+ 5.41	−1 3.1	13 20 34.08	.....	−10 42 18.1	....
35	α Ursæ Minoris s. p.	8	28 17.44	+23.33	− 7.51	52 10 2.12	43.668	+ 5.41	+1 9.3	1 28 33.26	.....	+88 50 15.8	....
36	72 Ophiuchi	8	3 20.85	− 0.48	− **7.62**	330 34 2.68	46.225	+ 6.57	− 30.7	18 3 12.74	.....	+ 9 33 4.2	....
37	η Serpentis	8	16 55.82	− 0.46	− **7.64**	318 6 5.75	45.738	+ 6.57	− 48.8	18 16 47.73	.....	− 2 55 21.8	....
38	109 Herculis	8	20 7.08	− 0.51	− **7.71**	342 44 4.55	47.580	+ 6.57	− 16.9	18 19 58.93	.....	+21 43 51.1	....
39	110 Herculis	8	42 2.81	− 0.51	− **7.72**	341 28 12.60	47.130	+ 6.57	− 18.3	18 41 54.66	.....	+20 27 48.1	....
40	ε Aquilæ	8	55 48.14	− 0.49	− **7.67**	335 58 13.00	45.265	+ 6.57	− 24.3	18 55 40.00	.....	+14 56 59.5	....
41	ζ Aquilæ	8	1 32.41	− 0.48	− **7.69**	334 46 11.45	42.862	+ 6.57	− 25.8	19 1 24.28	.....	+13 44 1.6	....
	September 10, Ep.												
42	ε Eridani	8	28 57.91	− 0.46	− **8.01**	311 18 9.85	42.178	+ 5.88	−1 3.3	3 28 49.44	.....	− 9 44 53.6	....
43	η Tauri	8	42 26.19	− 0.54	− **8.03**	344 52 8.68	43.245	+ 5.88	− 15.0	3 42 17.63	.....	+23 50 17.8	....
44	γ Eridani	8	54 6.11	− 0.47	− **7.98**	307 16 9.42	47.528	+ 5.88	−1 13.0	3 53 57.62	.....	−13 45 2.6	....
45	ν Tauri	8	58 39.25	− 0.48	− **7.97**	326 46 8.25	46.342	+ 5.88	− 36.4	3 58 30.75	.....	+ 5 45 6.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
6 3 20	29.750	76.6	75.1
3 53	......	....	74.3
4 24	29.750	75.3	73.8
7 11 5	29.777	82.6	82.9
8 0 43	29.758	67.2	66.7
1 25	29.770	67.4	66.3
1 50	......	....	66.3
2 2	29.776	67.0	66.3
2 24	29.769	66.9	66.3
10 4	29.862	80.7	80.6
9 11 12	29.860	83.6	83.2
18 13	29.870	79.3	79.0
18 42	29.884	78.8	78.0
19 2	......	....	77.3
19 27	29.892	78.1	77.1
3 26	29.900	69.8	68.2
3 42	......	....	67.9
4 8	29.906	69.3	67.6
10 9	30.000	83.7	82.4
10 11 16	29.998	85.9	85.7
13 21	29.968	88.8	88.1
18 3	29.940	81.8	80.6
18 42	......	....	79.1
19 2	29.950	80.1	78.3
3 29	29.841	69.3	67.7
3 49	29.834	69.1	67.2

Micrometer bisections are made at II, VI, except as noted below.

7, 17, 32. Bisections at I, II.
8, 18, 33. Bisections at VI, VII.
12, 35. Bisections at $9^{r}.5$, $10^{r}.5$.
16, 31. Bisections at I, II, VI, VII.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	″	′ ″	″	′ ″
7	+ 4.7	−15 51.2	...	−15 46.5
8	+ 4.8	+15 51.2	...	+15 56.0
16	+ 4.0	....	+0.5	+ 4.5
17	+ 4.8	−15 53.1	...	−15 48.3
18	+ 4.8	+15 53.1	...	+15 57.9
31	+ 3.6	....	+0.5	+ 4.1
32	+ 4.9	+15 53.6	...	+15 58.5
33	+ 4.8	−15 53.5	...	−15 48.7

Notes.
4–6. Clouds.
9–15. Conditions poor.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	o^1 Eridani	8	7 44.79	− 0.46	− **7.95**	313 58 8.32	45.495	+ 5.88	− 57.6	4 7 36.30	.....	− 7 3 34.0	....
2	δ Tauri	8	18 2.35	− 0.51	− **7.98**	338 22 8.25	44.098	+ 5.88	− 22.1	4 17 53.81	.....	+17 20 29.2	....
3	δ Ursæ Minoris S. P.	8	0 30.07	+ 8.27	− 8.07	54 22 7.78	46.315	+ 5.88	+1 17.8	18 0 30.27	.....	+86 37 0.3	....
4	Mercury II, C.	8	14 40.21	− 0.45	− 8.15	332 58 3.62	42.931	+ 6.10	− 27.5	10 14 31.61	− 0.22	+11 55 53.0	....
	September 11, Ep.												
5	Sun I, S.	8	17 1.76	− 0.44	− 8.18	325 16 10.70	47.472	+ 5.90	− 37.1	11 16 53.14	+63.94	+ 4 15 33.2	....
6	Sun II, N.	8	19 9.64	− 0.44	− 8.18	325 48 4.28	47.095	+ 5.90	− 36.3	11 19 1.02	−63.94	+ 4 47 20.2	....
7	α Virginis	8	20 42.65	− 0.44	[− **8.09**]	310 20 4.70	43.902	+ 6.56	−1 2.5	13 21	.....	−10 42 18.6	....
8	α Ursæ Minoris S. P.	8	28 15.75	+23.77	− 8.23	52 10 4.80	43.505	+ 6.56	+1 8.6	1 28 31.29	.....	+88 50 16.2	....
	September 12, Ep.												
9	o^1 Eridani	8	7 45.91	− 0.46	− **9.02**	313 58 11.08	45.468	+ 5.36	− 58.8	4 7 36.39	.....	− 7 3 33.6	....
10	δ Tauri	8	18 3.51	− 0.51	− **9.08**	338 22 7.92	44.155	+ 5.36	− 22.5	4 17 53.94	.....	+17 20 29.3	....
11	ε Tauri	8	23 40.60	− 0.52	− **9.07**	340 0 9.00	46.498	+ 5.36	− 20.6	4 23 31.02	.....	+18 59 26.0	....
12	α Tauri	8	31 4.14	− 0.50	− **9.07**	337 22 9.40	43.575	+ 5.36	− 23.7	4 30 54.57	.....	+16 20 16.0	....
13	ι Tauri	8	58 1.97	− 0.53	− **9.09**	342 30 9.45	42.965	+ 5.36	− 17.9	4 57 52.36	.....	+21 28 8.4	....
14	δ Ursæ Minoris S. P.	6	0 29.85	+ 9.06	− 9.10	54 22 9.52	46.182	+ 5.36	+1 19.5	18 0 29.81	.....	+86 37 0.4	....
	September 13, Ep.												
15	Sun I, N.	8	24 13.92	− 0.46	− 9.22	325 4 3.62	42.478	+ 5.07	− 38.6	11 24 4.24	+63.95	+ 4 1 29.8	....
16	Sun II, S.	8	26 21.82	− 0.46	− 9.22	324 32 1.32	43.048	+ 5.07	− 39.3	11 26 12.14	−63.95	+ 3 29 40.8	....
17	α Virginis	8	20 43.71	− 0.44	[− **9.16**]	310 20 9.55	43.900	+ 4.65	−1 4.6	1 20 34.01	.....	−10 42 17.8	....
18	α Ursæ Minoris S. P.	6	28 16.22	+24.37	− 9.26	52 10 10.05	43.222	+ 4.65	+1 10.9	13 28 31.33	.....	+88 50 17.2	....
19	η Serpentis	8	16 57.47	− 0.48	− **9.32**	318 6 11.12	45.618	+ 4.99	− 49.7	18 16 47.63	.....	− 2 55 21.6	....
20	109 Herculis	8	20 8.74	− 0.54	− **9.39**	342 44 10.18	47.425	+ 4.99	− 17.2	18 19 58.83	.....	+21 43 51.3	....
21	110 Herculis	8	42 4.42	− 0.53	− **9.36**	341 28 10.28	47.315	+ 4.99	− 18.6	18 41 54.52	.....	+20 27 48.2	....
22	ε Aquilæ	8	55 49.85	− 0.51	− **9.41**	335 58 10.15	45.472	+ 4.99	− 24.8	18 45 39.96	.....	+14 56 59.3	....
23	ζ Aquilæ	8	1 34.09	− 0.51	− **9.38**	334 46 9.18	43.038	+ 4.99	− 26.2	19 1 24.20	.....	+13 44 1.3	....
	September 15, M.												
24	o^1 Eridani	8	7 47.48	− 0.48	**−10.48**	313 58 3.75	45.590	+ 6.64	− 56.6	4 7 36.52	.....	− 7 3 34.6	....
25	δ Tauri	8	18 5.02	− 0.54	**−10.47**	338 22 7.98	44.068	+ 6.64	− 21.7	4 17 53.99	.....	+17 20 29.4	....
26	ε Tauri	8	23 42.17	− 0.54	**−10.53**	340 0 4.15	46.605	+ 6.64	− 19.9	4 23 31.14	.....	+18 59 25.5	....
27	τ Tauri	8	37 11.26	− 0.56	**−10.50**	343 48 6.92	46.722	+ 6.64	− 15.9	4 37 0.21	.....	+22 47 34.4	....
28	ι Tauri	8	58 3.49	− 0.56	**−10.48**	342 30 5.30	43.065	+ 6.64	− 17.3	4 57 52.43	.....	+21 28 8.4	....
29	β Eridani	8	3 44.42	− 0.48	**−10.50**	315 50 6.40	45.288	+ 6.64	− 53.2	5 3 33.44	.....	− 5 11 35.7	....
	September 16, M.												
30	Sun S.	.	.. ..	......	.....	323 22 3.65	44.820	+ 6.57	− 40.5	11 35	.....	+ 2 20 23.5	....
31	Sun N.	.	.. ..	......	.....	323 54 3.82	44.312	+ 6.57	− 39.7	.. ..	.....	+ 2 52 13.4	....
	September 16, P.												
32	Mercury II, C.	8	51 31.46	− 0.50	−11.23	330 10 9.70	42.588	+ 5.67	− 31.5	10 51 19.73	− 0.19	+ 9 7 46.6	....
	September 17, P.												
33	Moon I, N.	8	15 4.39	− 0.54	−11.38	292 30 10.00	44.870	+ 5.78	−2 10.8	17 14 52.47	+71.08	−28 33 0.5	....
34	δ Ursæ Minoris	8	0 47.56	− 8.47	−11.40	47 36 12.50	46.965	+ 5.78	+1 0.2	18 0 27.69	.....	+86 37 1.3	....
35	η Serpentis	8	16 59.46	− 0.49	**−11.37**	318 6 13.58	45.418	+ 5.78	− 49.2	18 16 47.57	.....	− 2 55 22.4	....
36	109 Herculis	8	20 10.68	− 0.55	**−11.40**	342 44 10.90	47.350	+ 5.78	− 17.0	18 19 58.73	.....	+21 43 51.3	....
37	110 Herculis	8	42 6.41	− 0.54	**−11.41**	341 28 12.45	47.192	+ 5.78	− 18.4	18 41 54.46	.....	+20 27 48.5	....
38	ε Aquilæ	8	55 51.81	− 0.52	**−11.43**	335 58 12.90	45.332	+ 5.78	− 24.5	18 55 39.87	.....	+14 57 0.0	....
39	ζ Aquilæ	8	1 36.08	− 0.52	**−11.43**	334 46 13.68	42.818	+ 5.78	− 25.9	19 1 24.14	.....	+13 44 1.9	....
40	δ Aquilæ	8	21 18.14	− 0.50	**−11.43**	323 58 14.40	44.372	+ 5.78	− 40.0	19 21 6.22	.....	+ 2 56 24.3	....
	September 19, M.												
41	Moon I, S.	8	8 35.71	− 0.52	−12.40	292 10 11.82	47.850	+ 4.51	−2 15.9	19 8 22.79	+69.66	−28 51 56.6	....
42	δ Aquilæ	8	21 19.06	− 0.47	**−12.41**	323 58 12.35	44.555	+ 4.51	− 40.6	19 21 6.19	.....	+ 2 56 24.6	....
43	β Cygni	8	27 25.38	− 0.55	**−12.43**	348 48 12.40	43.945	+ 4.51	− 11.0	19 27 12.42	.....	+27 46 39.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
10 4 8	......	....	67.1
4 18	29.832	69.0	67.0
6 1	29.840	69.0	67.9
10 15	29.834	84.2	81.0
11 11 19	29.808	86.8	86.8
13 21	29.758	90.3	89.7
12 4 8	29.864	59.3	57.9
4 24	......	....	58.1
4 58	29.878	59.3	57.5
6 0	29.894	59.8	58.1
13 11 26	29.930	74.3	73.1
13 21	29.908	76.7	75.1
18 20	29.896	71.1	70.0
18 42	......	....	69.4
18 56	29.906	70.3	69.2
15 4 8	29.674	74.8	74.0
4 37	......	....	73.3
5 4	29.678	73.7	72.5
16 11 35	29.762	78.9	77.0
10 52	29.825	75.0	74.0
17 17 18	29.764	77.0	75.9
18 5	29.764	75.0	74.0
18 41	......	....	72.6
18 55	......	....	72.2
19 23	29.772	73.0	71.9
19 19 9	29.760	66.8	64.5
19 27	......	....	64.1

Micrometer bisections are made at II, VI, except as noted below.

3, 14, 34. Bisections at $9^{r}.0$, $11^{r}.0$.
4, 32. Bisections at I, II, VI, VII.
5, 15, 30. Bisections at I, II.
6, 16, 31. Bisections at VI, VII.
8, 18. Bisections at $9^{r}.5$, $10^{r}.5$.
33, 41. Bisections at II, III, V, VI.

Notes.

13. Through clouds; poor.
17, 18. Clouds.
21. Haze.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 3.8	.. ....	+ 0.4	+ 4.2
5	+ 4.9	+15 53.5	...	+15 58.4
6	+ 4.9	−15 53.5	...	−15 48.6
15	+ 5.0	−15 54.5	...	−15 49.5
16	+ 5.0	+15 54.5	...	+15 59.5
30	+ 5.2	+15 54.9	...	+16 0.1
31	+ 5.1	−15 54.9	...	−15 49.8
32	+ 3.7	.. ....	+ 0.2	+ 3.9
33	+50 56.4	−15 5.7	...	+35 50.7
41	+50 11.3	+14 50.2	...	+65 1.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ′	″
1	γ Aquilæ	8	42 19.92	− 0.48	**−12.43**	331 26 14.22	43.090	+ 4.51	− 30.4	19 42 7.03	.....	+10 24 2.1	....
2	α Aquilæ	8	46 44.86	− 0.48	**−12.45**	329 40 15.48	43.730	+ 4.51	− 32.7	19 46 31.97	.....	+ 8 38 16.1	....
3	β Aquilæ	8	51 14.92	− 0.48	**−12.44**	327 12 14.18	46.670	+ 4.51	− 36.0	19 51 2.02	.....	+ 6 11 19.0	....
4	γ Sagittæ	8	55 5.97	− 0.51	**−12.50**	340 16 12.98	46.122	+ 4.51	− 20.0	19 54 53.04	.....	+19 15 21.2	....
	September 19, P.												
5	57 B. Ursæ Minoris s. p.	8	4 57.94	+11.54	−12.64	53 26 10.68	42.900	+ 4.33	+1 16.5	15 4 56.84	.....	+87 34 18.6	....
6	o Tauri	8	20 20.44	− 0.47	**−12.62**	329 46 12.12	42.030	+ 4.16	− 33.0	3 20 7.32	.....	+ 8 43 33.3	....
7	f Tauri	8	26 16.65	− 0.48	**−12.63**	333 40 11.05	44.320	+ 4.07	− 28.0	3 26 3.52	.....	+12 38 29.3	....
8	ε Eridani	8	29 2.78	− 0.47	**−12.64**	311 18 12.20	42.190	+ 4.04	−1 4.4	3 28 49.66	.....	− 9 44 54.0	....
[illegible]	η Tauri	8	42 31.03	− 0.52	**−12.62**	344 52 12.02	43.215	+ 3.88	− 15.3	3 42 17.85	.....	+23 50 18.1	....
10	γ Eridani	8	54 10.98	− 0.47	**−12.60**	307 16 13.20	47.490	+ 3.74	−1 14.3	3 53 57.85	.....	−13 45 3.1	....
11	ν Tauri	8	58 44.15	− 0.47	**−12.63**	326 46 11.45	46.355	+ 3.68	− 37.1	3 58 31.02	.....	+ 5 45 7.1	....
12	Mercury II, C	8	11 40.46	− 0.44	−12.81	328 14 3.45	43.366	+ 4.35	− 34.4	11 11 27.21	− 0.18	+ 7 11 53.6	....
	September 20, P.												
13	Sun I, S	8	49 24.81	− 0.45	−12.83	321 50 1.22	42.395	+ 3.79	− 43.7	11 49 11.53	+64.03	+ 0 47 19.0	....
14	Sun II, N	8	51 32.86	− 0.45	−12.83	322 22 0.98	42.025	+ 3.79	− 42.9	11 51 19.58	−64.02	+ 1 19 12.2	....
15	δ Ursæ Minoris	8	0 48.49	− 8.71	−12.96	47 36 10.12	47.068	+ 5.50	+1 1.1	18 0 26.82	.....	+86 37 2.0	....
16	η Serpentis	8	17 1.01	− 0.49	**−12.96**	318 6 12.05	45.565	+ 5.40	− 49.9	18 16 47.56	.....	− 2 55 21.7	....
17	109 Herculis	8	20 12.22	− 0.54	**−13.00**	342 44 10.52	47.400	+ 5.39	− 17.3	18 19 58.72	.....	+21 43 51.4	....
18	110 Herculis	8	42 8.01	− 0.54	**−13.06**	341 28 11.70	47.245	+ 5.26	− 18.7	18 41 54.50	.....	+20 27 48.2	....
19	ε Aquilæ	8	55 53.38	− 0.52	**−13.05**	335 58 11.38	45.468	+ 5.18	− 24.9	18 55 39.88	.....	+14 57 0.6	....
20	δ Aquilæ	8	21 19.64	− 0.49	**−12.99**	323 58 11.82	44.555	+ 5.02	− 40.7	19 21 6.16	.....	+ 2 56 24.5	....
21	γ Aquilæ	8	42 20.52	− 0.51	**−13.02**	331 26 12.78	43.145	+ 4.90	− 30.5	19 42 7.01	.....	+10 24 2.2	....
22	β Aquilæ	8	51 15,48	− 0.50	**−12.99**	327 12 13.72	46.660	+ 4.85	− 36.9	19 51 1.98	.....	+ 6 11 17.8	....
23	Moon I, S	8	2 43.14	− 0.54	−13.00	294 22 12.15	46.436	+ 4.77	−2 3.0	20 2 29.60	+67.97	−26 40 15.9	....
	September 20, Ep.												
24	ε Tauri	8	23 45.08	− 0.54	**−13.29**	340 0 15.60	46.265	+ 4.35	− 20.7	4 23 31.24	.....	+18 59 26.1	....
25	α Tauri	8	31 8.59	− 0.53	**−13.25**	337 22 16.02	43.345	+ 4.35	− 23.7	4 30 54.76	.....	+16 20 16.3	....
26	τ Tauri	8	37 14.22	− 0.55	**−13.31**	343 48 21.58	46.225	+ 4.35	− 16.5	4 37 0.37	.....	+22 47 34.8	....
27	γ Orionis	8	20 40.68	− 0.50	**−13.29**	327 18 17.60	44.515	+ 4.35	− 36.5	5 20 26.86	.....	+ 6 16 32.8	....
28	δ Orionis	8	27 46.51	− 0.50	**−13.24**	320 40 18.92	44.870	+ 4.35	− 46.6	5 27 32.69	.....	− 0 21 28.5	....
29	ε Orionis	8	32 0.75	− 0.50	**−13.28**	319 46 17.18	45.965	+ 4.35	− 48.1	5 31 46.93	.....	− 1 15 6.7	....
30	Mercury II, C	8	18 27.66	− 0.46	−13.46	327 32 12.10	43.575	+ 4.31	− 35.3	11 18 13.74	− 0.18	+ 6 30 6.5	....
	September 21, Ep.												
31	Sun I, S	8	53 0.64	− 0.45	−13.47	321 26 8.98	43.798	+ 4.31	− 44.2	11 52 46.72	+63.96	+ 0 23 58.8	....
32	Sun II, N	8	55 8.57	− 0.45	−13.47	321 58 8.98	43.465	+ 4.31	− 43.4	11 54 54.65	−63.97	+ 0 55 53.1	....
33	α Virginis	8	20 47.91	− 0.46	[−13.36]	310 20 9.05	43.968	+ 4.53	−1 4.9	13 20 33.95	.....	−10 42 17.1	....
34	α Ursæ Minoris s. p.	8	28 26.87	+23.40	−13.51	52 10 8.25	43.185	+ 4.53	+1 11.2	1 28 36.76	.....	+88 50 19.5	....
35	δ Ursæ Minoris	8	0 47.93	− 7.98	−13.62	47 36 8.80	47.120	+ 4.95	+1 1.1	18 0 26.33	.....	+86 37 1.3	....
36	ε Aquilæ	8	55 53.90	− 0.48	**−13.63**	335 58 9.58	45.552	+ 4.95	− 24.9	18 55 39.79	.....	+14 57 0.5	....
37	ζ Aquilæ	8	1 38.20	− 0.48	**−13.65**	334 46 8.70	43.100	+ 4.95	− 26.3	19 1 24.08	.....	+13 44 2.1	....
38	δ Aquilæ	8	21 20.28	− 0.46	**−13.67**	323 58 9.98	44.635	+ 4.95	− 40.7	19 21 6.18	.....	+ 2 56 24.4	....
39	β Cygni	8	27 26.52	− 0.53	**−13.62**	348 48 8.70	44.095	+ 4.95	− 11.0	19 27 12.34	.....	+27 46 39.4	....
40	γ Aquilæ	8	42 21.08	− 0.47	**−13.63**	331 26 11.12	43.218	+ 4.95	− 30.5	19 42 6.96	.....	+10 24 2.2	....
41	α Aquilæ	8	46 46.02	− 0.46	**−13.67**	329 40 10.35	43.925	+ 4.95	− 32.8	19 46 31.91	.....	+ 8 38 15.8	....
	September 22, P.												
42	32 Vulpeculæ	8	51 5.65	− 0.56	**−14.12**	348 44 15.85	46.335	+ 3.86	− 11.2	20 50 50.98	.....	+27 43 36.3	....
43	ζ Cygni	8	9 28.58	− 0.57	**−14.11**	350 52 16.50	47.802	+ 3.86	− 9.0	21 9 13.89	.....	+29 52 12.9	....
44	β Aquarii	8	27 13.39	− 0.50	**−14.11**	315 4 15.80	45.820	+ 3.86	− 56.2	21 26 58.76	.....	− 5 57 20.1	....
45	Moon I, S	8	43 0.52	− 0.53	−14.13	302 6 15.32	42.710	+ 3.86	−1 29.6	21 42 45.86	+64.27	−18 57 5.5	....
46	16 Pegasi	8	49 20.82	− 0.55	**−14.16**	346 32 14.42	44.738	+ 3.86	− 13.5	21 49 6.13	.....	+25 30 55.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 19 55	29.768	65.3	63.7
3 0	29.800	60.9	58 5
3 23	......	....	58.0
3 48	......	....	57.9
4 0	29.816	60.0	57.5
11 12	29.922	70.9	69.0
20 11 49	29.932	70.7	69.4
17 57	29.916	70.7	69.9
18 23	......	....	68.3
18 41	......	....	67.9
18 58	29.916	68.5	67.0
19 24	......	....	66.0
19 54	......	....	65.8
20 5	29.924	67.0	65.1
4 24	29.927	59.3	58.0
4 37	......	....	58.3
5 21	29.932	59.2	58.0
5 32	......	....	58.0
11 18	30.030	73.0	71.5
21 11 55	30.024	73.8	72.5
13 21	29.997	76.2	74.3
18 1	29.968	71.1	70.1
18 56	29.975	69.3	68.1
19 27	29.992	68.6	67.3
19 47	[illegible]	68.1	66.7
22 20 49	29.952	65.8	64.0
21 13	......	....	63.9
21 30	......	....	63.1
21 40	29.960	65.0	63.1
21 52	......	....	63.0
22 21	29.952	65.0	....

Micrometer bisections are made at II, VI, except as noted below.

5, 15, 35. Bisections at $9\overset{r}{.}0$, $11\overset{r}{.}0$.
12, 30, 33. Bisections at I, II, VI, VII.
13, 31. Bisections at I, II.
14, 32. Bisections at VI, VII.
23, 45. Bisections at II, III, V, VI.
34. Bisections at $9\overset{r}{.}5$, $10\overset{r}{.}5$.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
12	+ 3.7	.. ....	+ 0.1	+ 3.8
13	+ 5.4	+15 56.6	...	+16 2.0
14	+ 5.3	−15 56.5	...	−15 51.2
23	+49 10.3	+14 46.9	...	+63 57.2
30	+ 3.7	.. ....	+ 0.1	+ 3.8
31	+ 5.4	+15 57.2	...	+16 2.6
32	+ 5.4	−15 57.1	...	−15 51.7
45	+45 45.3	+14 47.9	...	+60 33.2

Notes.

33. Micrometer reading decreased 1 rev.
33, 34. Conditions poor.
37. Clouds.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	September 27, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon II, N	8	33 22.19	− 0.48	−17.02	331 44 10.12	44.744	+ 3.17	− 31.0	1 33 4.69	−64.42	+10 42 33.8	....
2	*o* Piscium	8	41 5.42	− 0.47	−17.05	329 44 8.60	46.850	+ 3.17	− 33.6	1 40 47.93	.....	+ 8 43 18.2	....
3	β Arietis	8	50 7.34	− 0.50	−17.05	341 24 8.62	45.568	+ 3.17	− 19.4	1 49 49.82	.....	+20 23 3.6	....
4	α Arietis	8	2 33.34	− 0.51	−17.02	344 4 9.22	45.710	+ 3.17	− 16.4	2 2 15.80	.....	+23 3 9.4	....
5	η Eridani	8	52 28.16	− 0.46	−16.99	311 48 8.50	43.622	+ 3.17	−1 4.5	2 52 10.65	.....	− 9 14 25.7	....
6	α Ceti	8	58 1.23	− 0.46	−17.07	324 46 9.20	46.635	+ 3.17	− 40.8	2 57 43.72	.....	+ 3 45 6.6	....
7	δ Arietis	8	6 56.34	− 0.50	−17.05	340 26 8.72	42.855	+ 3.17	− 20.5	3 6 38.79	.....	+19 24 0.5	....
8	Mercury II, C	8	5 29.74	− 0.40	−17.26	322 16 10.05	42.400	+ 1.73	− 44.1	12 5 12.08	− 0.16	+ 1 13 26.0	....
	September 28, Ep.												
9	Sun I, S	8	18 15.01	− 0.40	−17.27	318 42 8.18	44.995	+ 1.73	− 50.0	12 17 57.34	+64.18	− 2 19 42.3	....
10	Sun II, N	8	20 23.37	− 0.40	−17.27	319 14 7.82	44.862	+ 1.73	− 49.0	12 20 5.70	−64.18	− 1 47 44.3	....
11	α Virginis	4	20 51.68	− 0.44	[−17.16]	310 20 8.15	44.250	+ 2.01	−1 6.8	13 20 33.95	.....	−10 42 16.0	....
12	α Ursæ Minoris S. P.	8	28 33.94	+23.67	−17.29	52 10 8.30	43.085	+ 2.01	+1 13.4	1 28 40.32	.....	+88 50 22.2	....
13	δ Ursæ Minoris	8	0 49.30	− 8.42	−17.40	47 36 7.88	47.178	+ 2.75	+1 2.7	18 0 23.48	.....	+86 37 1.1	....
14	110 Herculis	8	42 12.15	− 0.50	−17.40	341 28 7.90	47.590	+ 2.75	− 19.1	18 41 54.23	.....	+20 27 49.3	....
15	ε Aquilæ	8	55 57.56	− 0.49	−17.41	335 58 7.42	45.780	+ 2.75	− 25.5	18 55 39.65	.....	+14 57 0.7	....
16	ζ Aquilæ	8	1 41.82	− 0.48	−17.40	334 46	......	....	. ....	19 1 23.91	.....	+13 44	....
17	δ Aquilæ	8	21 23.94	− 0.47	−17.43	323 58 8.80	44.855	+ 2.75	− 41.7	19 21 6.04	.....	+ 2 56 25.0	....
18	β Cygni	8	27 30.18	− 0.54	−17.41	348 48 8.35	44.248	+ 2.75	− 11.3	19 27 12.20	.....	+27 46 40.0	....
19	γ Aquilæ	8	42 24.76	− 0.48	−17.41	331 26 9.78	43.435	+ 2.75	− 31.2	19 42 6.84	.....	+10 24 3.0	....
	September 28, P.												
20	*o* Piscium	8	41 5.88	− 0.47	−17.49	329 44 11.28	46.788	+ 2.34	− 33.7	1 40 47.95	.....	+ 8 43 18.7	....
21	β Arietis	8	50 7.78	− 0.50	−17.47	341 24 11.08	45.502	+ 2.34	− 19.4	1 49 49.81	.....	+20 23 3.7	....
22	α Arietis	8	2 33.82	− 0.50	−17.49	344 4 12.72	45.590	+ 2.34	− 16.5	2 2 15.85	.....	+23 3 9.2	....
23	Moon II, N	8	22 54.49	− 0.49	−17.48	337 30 11.20	42.734	+ 2.34	− 23.9	2 22 36.52	−66.74	+16 27 55.4	....
24	δ Ceti	8	35 19.33	− 0.46	−17.52	321 0 14.55	42.168	+ 2.34	− 46.6	2 35 1.39	.....	− 0 2 36.8	....
25	η Eridani	8	52 28.70	− 0.47	−17.50	311 48 11.58	43.525	+ 2.34	−1 4.5	2 52 10.74	.....	− 9 14 25.7	....
26	α Ceti	8	58 1.69	− 0.46	−17.51	324 46 11.00	46.570	+ 2.34	− 40.7	2 57 43.74	.....	+ 3 45 6.2	....
27	δ Arietis	8	6 56.80	− 0.49	−17.50	340 26 9.55	42.835	+ 2.34	− 20.5	3 6 38.81	.....	+19 24 0.0	....
	September 29, M.												
28	Moon II, N	8	16 15.29	− 0.56	−18.00	342 32 8.68	47.511	+ 2.26	− 18.3	3 15 56.73	−69.60	+21 31 47.9	....
29	*o* Tauri	8	20 26.08	− 0.51	−17.97	329 46 9.80	42.295	+ 2.26	− 34.0	3 20 7.57	.....	+ 8 43 34.2	....
30	*f* Tauri	8	26 22.30	− 0.52	−17.99	333 40 7.62	44.640	+ 2.26	− 28.9	3 26 3.78	.....	+12 38 30.5	....
31	ε Eridani	8	29 8.42	− 0.49	−18.02	311 18 7.35	42.610	+ 2.26	−1 6.4	3 28 49.93	.....	− 9 44 53.0	....
32	δ Tauri	8	18 13.00	− 0.53	−18.05	338 22 10.00	44.252	+ 2.26	− 23.2	4 17 54.45	.....	+17 20 29.8	....
33	ε Tauri	8	23 50.08	− 0.54	−18.02	340 0 7.60	46.760	+ 2.26	− 21.3	4 23 31.52	.....	+18 59 26.7	....
34	α Tauri	8	31 13.64	− 0.53	−18.03	337 22 10.35	43.730	+ 2.26	− 24.4	4 30 55.08	.....	+16 20 16.7	....
	September 30, M.												
35	Sun I, N	8	25 29.46	− 0.43	−18.21	318 28 8.52	43.155	+ 1.42	− 50.8	12 25 10.82	+64.22	− 2 34 24.9	....
36	Sun II, S	8	27 37.91	− 0.43	−18.21	317 56 7.48	43.288	+ 1.42	− 51.7	12 27 19.27	−64.23	− 3 6 23.8	....
37	δ Ursæ Minoris	8	0 49.80	− 8.74	−18.34	47 36 5.88	47.280	+ 1.80	+1 2.8	18 0 22.72	.....	+86 37 0.6	....
38	110 Herculis	8	42 13.11	− 0.49	−18.41	341 28 6.58	47.695	+ 1.80	− 19.2	18 41 54.26	.....	+20 27 49.4	....
39	ε Aquilæ	8	55 58.45	− 0.47	−18.35	335 58 6.42	45.870	+ 1.80	− 25.5	18 55 39.62	.....	+14 57 0.8	....
40	ζ Aquilæ	8	1 42.75	− 0.47	−18.37	334 46 7.35	43.362	+ 1.80	− 27.0	19 1 23.91	.....	+13 44 2.9	....
41	δ Aquilæ	8	21 24.83	− 0.45	−18.37	323 58 6.12	45.025	+ 1.80	− 41.8	19 21 6.01	.....	+ 2 56 25.2	....
42	β Cygni	8	27 31.09	− 0.52	−18.38	348 48 6.58	44.382	+ 1.80	− 11.3	19 27 12.19	.....	+27 46 40.4	....
43	γ Aquilæ	8	42 25.67	− 0.46	−18.37	331 26 7.75	43.580	+ 1.80	− 31.3	19 42 6.83	.....	+10 24 3.2	....
	September 30, P.												
44	η Tauri	8	42 37.29	− 0.48	−18.61	344 52 11.70	43.410	+ 1.39	− 15.7	3 42 18.18	.....	+23 50 19.4	....
45	γ Eridani	8	54 17.26	− 0.45	−18.61	307 16 14.32	47.618	+ 1.39	−1 16.2	3 53 58.18	.....	−13 45 3.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 1 33	30.064	54.9	53.7
1 56	30.064	54.5	53.4
2 52	30.073	54.0	53.0
3 12	30.082	53.6	52.5
12 5	30.184	63.0	61.1
28 12 20	30.130	63.0	61.3
13 21	......	....	62.7
13 29	30.166*	64.9	....
18 1	30.132	61.7	60.5
18 42	30.132	60.0	58.8
19 2	......	....	58.1
19 15	30.132	59.1	58.0
19 42	30.137	58.6	57.3
1 39	30.058	53.9	53.0
2 0	......	....	52.3
2 24	30.032	53.8	52.5
2 56	......	....	53.0
3 9	30.024	54.0	53.0
29 3 16	29.984	48.8	46.4
3 29	......	....	46.0
4 18	......	....	45.3
4 31	29.992	47.7	45.2
30 12 28	30.006	57.0	55.8
18 1	29.924	57.2	56.3
18 42	29.920	55.8	54.9
19 21	......	....	53.2
19 42	29.916	53.8	52.6
3 40	29.868	48.0	47.0

Micrometer bisections are made at II, VI, except as noted below.

1, 23, 28.	Bisections at II, III, V, VI.
8.	Bisections at I, II, VI, VII.
9, 11, 35.	Bisections at I, II.
10, 36.	Bisections at VI, VII.
12.	Bisections at $9^{r}.5$, $10^{r}.5$.
13, 37.	Bisections at $9^{r}.0$, $11^{r}.0$.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+26 18.5	−15 18.3	...	+11 0.2
8	+ 3.9	.. ....	0.0	+ 3.9
9	+ 5.8	+15 58.9	...	+16 4.7
10	+ 5.7	−15 59.0	...	−15 53.3
23	+21 24.5	−15 26.6	...	+ 5 57.9
28	+16 51.7	−15 35.1	...	+ 1 16.6
35	+ 5.8	−15 59.4	...	−15 53.6
36	+ 5.9	+15 59.4	...	+16 5.3

Notes.

3. Degrees and minutes of circle reading assumed.
5. Haze.
24–26. Clouds.
* Barometer reading changed from 31.166 in. to 30.166 in.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Tauri	8	58 50.39	− 0.44	**−18.61**	326 46 11.58	46.480	+ 1.39	− 38.1	3 58 31.32	.....	+ 5 45 6.8	....
2	Moon II, N	8	14 4.64	− 0.50	−18.64	346 32 11.80	45.645	+ 1.39	− 13.9	4 13 45.50	−72.60	+25 31 12.0	....
3	δ Tauri	8	18 13.56	− 0.46	**−18.65**	338 22 12.42	44.235	+ 1.39	− 23.1	4 17 54.46	.....	+17 20 31.0	....
4	ε Tauri	8	23 50.66	− 0.46	**−18.65**	340 0 12.68	46.580	+ 1.39	− 21.2	4 23 31.56	.....	+18 59 26.9	....
5	α Tauri	8	31 14.22	− 0.45	**−18.66**	337 22 11.92	43.715	+ 1.39	− 24.3	4 30 55.13	.....	+16 20 17.1	....
	October 3, P.												
6	ε Orionis	8	32 8.08	− 0.49	**−20.24**	319 46 9.58	46.342	+ 2.46	− 48.1	5 31 47.36	.....	− 1 15 7.5	....
7	κ Orionis	8	43 57.94	− 0.49	**−20.18**	311 20 11.68	45.590	+ 2.46	−1 4.6	5 43 37.22	.....	− 9 41 39.0	....
8	α Orionis	8	50 47.73	− 0.50	**−20.26**	328 26 13.02	42.690	+ 2.46	− 35.0	5 50 27.00	.....	+ 7 23 45.0	....
9	δ Ursæ Minoris s. p.	7	0 32.97	+ 8.57	−20.24	54 22 9.88	46.265	+ 2.46	+1 19.6	18 0 21.30	.....	+86 37 0.9	....
10	η Geminorum	8	9 57.42	− 0.54	**−20.26**	343 34 12.32	42.962	+ 2.46	− 16.8	6 9 36.64	.....	+22 32 8.4	....
11	μ Geminorum	8	18 1.68	− 0.54	**−20.26**	343 34 12.22	47.110	+ 2.46	− 16.7	6 17 40.90	.....	+22 33 43.2	....
12	γ Geminorum	8	33 0.94	− 0.52	**−20.23**	337 30 13.00	44.625	+ 2.46	− 23.5	6 32 40.17	.....	+16 28 40.9	....
13	Moon II, S	8	27 19.81	− 0.58	−20.27	347 50 12.32	46.520	+ 2.46	− 12.2	7 26 58.96	−76.02	+26 49 34.6	....
	October 4, P.												
14	Sun I, N	8	40 1.91	− 0.44	−20.40	316 53 58.98	46.225	+ 3.46	− 51.3	12 39 41.07	+64.51	− 4 7 23.5	....
15	Sun II, S	8	42 10.94	− 0.44	−20.40	316 22 3.48	45.935	+ 3.46	− 52.3	12 41 50.10	−64.52	− 4 39 25.7	....
16	δ Ursæ Minoris	8	0 48.88	− 8.05	−20.53	47 36 10.42	47.085	+ 4.51	+1 0.5	18 0 20.30	.....	+86 37 1.1	....
17	110 Herculis	8	42 15.16	− 0.52	**−20.50**	341 28 8.15	47.445	+ 4.51	− 18.5	18 41 54.10	.....	+20 27 48.6	....
18	ε Aquilæ	8	56 0.58	− 0.50	**−20.52**	335 58 11.68	45.450	+ 4.51	− 24.6	18 55 39.53	.....	+14 57 0.1	....
19	ζ Aquilæ	8	1 44.90	− 0.50	**−20.56**	334 46 9.90	43.065	+ 4.51	− 26.1	19 1 23.85	.....	+13 44 2.3	....
20	δ Aquilæ	8	21 26.99	− 0.48	**−20.57**	323 58 9.42	44.650	+ 4.51	− 40.3	19 21 5.95	.....	+ 2 56 24.2	....
21	β Cygni	8	27 33.24	− 0.55	**−20.58**	348 48 10.95	44.035	+ 4.51	− 11.0	19 27 12.13	.....	+27 46 39.9	....
22	γ Aquilæ	8	42 27.82	− 0.49	**−20.56**	331 26 12.40	43.175	+ 4.51	− 30.2	19 42 6.77	.....	+10 24 2.4	....
	October 4, Ep.												
23	α Orionis	8	50 48.39	− 0.50	**−20.89**	328 26 18.28	42.372	+ 3.65	− 34.6	5 50 26.99	.....	+ 7 23 44.6	....
24	δ Ursæ Minoris s. p.	8	0 32.87	+ 8.20	−20.91	54 22 21.18	45.785	+ 3.65	+1 18.7	18 0 20.16	.....	+86 37 0.3	....
25	η Geminorum	8	9 58.11	− 0.54	**−20.91**	343 34 19.52	42.588	+ 3.65	− 16.6	6 9 36.66	.....	+22 32 8.4	....
26	μ Geminorum	8	18 2.39	− 0.54	**−20.93**	343 34 18.32	46.788	+ 3.65	− 16.5	6 17 40.94	.....	+22 33 43.3	....
27	γ Geminorum	8	33 1.65	− 0.52	**−20.91**	337 30 19.78	44.272	+ 3.65	− 23.3	6 32 40.21	.....	+16 28 41.0	....
28	ε Geminorum	8	38 55.26	− 0.55	**−20.94**	346 14 19.25	45.335	+ 3.65	− 13.7	6 38 33.79	.....	+25 13 14.9	....
29	Moon II, S	8	31 34.79	− 0.56	−20.96	344 34 18.28	42.312	+ 3.65	− 15.6	8 31 13.27	−74.38	+23 32 2.8	....
	October 5, Ep.												
30	Sun I, N	8	43 41.09	− 0.45	−21.05	316 32 9.65	42.688	+ 3.80	− 52.5	12 43 19.59	+64.41	− 4 30 34.4	....
31	Sun II, S	8	45 49.90	− 0.45	−21.05	316 0 10.52	42.655	+ 3.80	− 53.5	12 45 28.40	−64.40	− 5 2 34.6	....
32	α² Capricorni	8	13 34.91	− 0.52	**−21.18**	308 12 8.92	47.565	+ 4.29	−1 10.9	20 13 13.18	.....	−12 49 1.3	....
33	ε Delphini	8	29 24.73	− 0.54	**−21.24**	332 2 9.88	44.282	+ 4.29	− 29.7	20 29 2.97	.....	+11 0 25.5	....
34	α Delphini	8	35 57.20	− 0.55	**−21.23**	336 38 8.78	43.735	+ 4.29	− 24.2	20 35 35.43	.....	+15 36 17.9	....
35	ζ Cygni	8	9 35.55	− 0.62	**−21.21**	350 52 10.72	48.128	+ 4.29	− 9.0	21 9 13.70	.....	+29 52 15.0	....
36	β Aquarii	8	27 20.42	− 0.51	**−21.25**	315 4 11.70	46.025	+ 4.29	− 56.2	21 26 58.67	.....	− 5 57 19.0	....
37	ε Pegasi	8	40 16.41	− 0.53	**−21.26**	330 30 10.80	44.648	+ 4.29	− 31.8	21 39 54.64	.....	+ 9 28 33.0	....
	October 6, Ep.												
38	ε Orionis	8	32 9.90	− 0.53	**−21.93**	319 46 11.98	46.240	+ 3.55	− 47.8	5 31 47.44	.....	− 1 15 6.1	....
39	κ Orionis	8	43 59.81	− 0.54	**−21.91**	311 20 11.98	45.530	+ 3.55	−1 4.2	5 43 37.33	.....	− 9 41 38.6	....
40	α Orionis	8	50 49.54	− 0.54	**−21.94**	328 26 12.82	42.670	+ 3.55	− 34.8	5 50 27.06	.....	+ 7 23 45.6	....
41	γ Geminorum	8	33 2.79	− 0.56	**−21.95**	337 30 14.20	44.550	+ 3.55	− 23.5	6 32 40.28	.....	+16 28 41.5	....
42	ε Geminorum	8	38 56.42	− 0.59	**−22.00**	346 14 11.80	45.732	+ 3.55	− 13.9	6 38 33.87	.....	+25 13 16.2	....
43	ξ Geminorum	8	40 45.99	− 0.55	**−21.94**	334 0 12.82	47.328	+ 3.55	− 27.7	6 40 23.48	.....	+12 59 39.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 4 1	......	....	46.3
4 15	......	....	46.0
4 33	29.864	47.0	45.6
3 5 30	29.756	56.8	55.1
6 5	......	....	55.0
6 20	......	....	55.6
6 35	29.770	56.1	56.0
7 28	29.790	55.9	54.7
4 12 42	29.855	74.3	75.0
17 57	29.870	74.2	74.0
18 40	29.863	72.0	71.5
19 0	......	....	71.0
19 20	......	....	70.0
19 44	29.879	70.0	69.1
5 51	29.918	63.2	63.2
6 15	29.924	63.7	63.8
6 33	......	....	63.8
6 43	29.930	63.8	63.8
8 32	29.980	63.1	62.7
5 12 46	30.013	73.0	72.6
20 14	29.968	68.8	68.0
20 36	......	....	67.6
20 56	29.996	67.9	67.1
21 27	29.999	65.7	64.0
21 40	......	....	64.3
6 5 32	29.736	57.9	57.7
6 8	29.730	58.9	57.6
6 33	......	....	56.3
6 41	29.732	57.2	55.6

Micrometer bisections are made at II, VI, except as noted below.

2, 13, 29. Bisections at II, III, V, VI.

9, 16, 24. Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.
14, 30. Bisections at I, II.
15, 31. Bisections at VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
2	+13 9.1	−15 43.7	...	− 2 34.6
13	+12 11.5	+16 9.2	...	+28 20.7
14	+ 6.0	−16 1.1	...	−15 55.1
15	+ 6.0	+16 1.1	...	+16 7.1
29	+15 36.3	+16 16.1	...	+31 52.4
30	+ 6.0	−16 0.0	...	−15 54.0
31	+ 6.1	+16 0.1	...	+16 6.2

Notes.

6, 9. Clouds.
11. Micrometer reading increased 1 rev.
23. Degrees of circle reading assumed.
32. Haze.
41–43. Conditions poor.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 7, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	8	51 0.19	− 0.50	−22.10	315 46 8.62	42.540	+ 4.09	− 53.1	12 50 37.59	+64.59	− 5 16 39.3	....
2	Sun II, S	8	53 9.36	− 0.50	−22.10	315 14 8.38	42.455	+ 4.09	− 54.1	12 52 46.76	−64.58	− 5 48 41.7	....
3	δ Ursæ Minoris	8	0 50.19	− 8.90	−22.22	47 36 4.65	47.418	+ 4.28	+ 59.6	18 0 19.07	.....	+86 37 1.8	....
4	110 Herculis	8	42 16.87	− 0.58	[**−22.21**]	341 28 4.72	47.588	+ 4.28	− 18.2	18 41 54.05	.....	+20 27 48.6	....
	October 7, P.												
5	α Pegasi	8	0 48.35	− 0.54	**−22.21**	335 46 8.78	43.655	+ 4.15	− 25.1	23 0 25.59	.....	+14 44 14.9	....
6	γ Piscum	8	13 2.22	− 0.52	**−22.24**	323 50 9.92	44.755	+ 4.08	− 40.8	23 12 39.48	.....	+ 2 48 25.8	....
7	κ Piscium	8	22 51.26	− 0.52	**−22.21**	321 48 8.90	45.840	+ 4.03	− 43.9	23 22 28.51	.....	+ 0 46 46.2	....
8	ι Piscium	8	35 51.43	− 0.52	**−22.25**	326 10 10.88	46.920	+ 3.96	− 37.5	23 35 28.68	.....	+ 5 9 18.9	....
9	ω Piscium	8	55 13.51	− 0.52	**−22.21**	327 24 8.48	45.950	+ 3.87	− 35.8	23 54 50.75	.....	+ 6 22 56.6	....
10	α Andromedæ	8	4 16.18	− 0.60	**−22.27**	349 38 7.72	44.180	+ 3.81	− 10.2	0 3 53.34	.....	+28 36 40.3	....
	October 8, P.												
11	Sun I, S	8	54 40.29	− 0.52	−22.52	314 50 10.52	45.275	+ 2.24	− 57.2	12 54 17.25	+64.73	− 6 11 40.5	....
12	Sun II, N	8	56 49.74	− 0.52	−22.52	315 22 10.40	45.472	+ 2.24	− 56.2	12 56 26.70	−64.72	− 5 39 34.6	....
13	Mercury C, C	8	9 7.89	− 0.52	−22.52	314 34 10.60	42.934	+ 2.24	− 57.7	13 8 44.85	0.00	− 6 28 34.2	....
14	ε Aquilæ	8	56 2.69	− 0.56	**−22.64**	335 58 9.02	45.715	+ 2.34	− 25.4	18 56 39.50	.....	+14 57 0.5	....
15	ζ Aquilæ	8	1 46.96	− 0.56	**−22.64**	334 46 10.80	43.072	+ 2.34	− 26.9	19 1 23.76	.....	+13 44 0.4	....
16	δ Aquilæ	8	21 29.02	− 0.54	**−22.60**	323 58 12.30	44.708	+ 2.34	− 41.6	19 21 5.84	.....	+ 2 56 24.9	....
17	β Cygni	8	27 35.32	− 0.61	**−22.68**	348 48 10.28	44.202	+ 2.34	− 11.3	19 27 12.07	.....	+27 46 40.5	....
18	γ Aquilæ	8	42 29.91	− 0.55	**−22.65**	331 26 12.85	43.310	+ 2.34	− 31.1	19 42 6.71	.....	+10 24 2.9	....
19	α Aquilæ	8	46 54.83	− 0.55	**−22.65**	329 40 13.22	43.980	+ 2.34	− 33.5	19 46 31.63	.....	+ 8 38 16.6	....
	October 9, P.												
20	γ Eridani	8	54 22.26	− 0.51	**−23.34**	307 16 10.85	47.635	+ 2.45	−1 14.4	3 53 58.38	.....	−13 45 3.5	....
21	ν Tauri	8	58 55.44	− 0.50	**−23.38**	326 46 9.82	46.480	+ 2.45	− 37.2	3 58 31.57	.....	+ 5 45 7.0	....
22	o^1 Eridani	8	8 1.03	− 0.50	**−23.38**	313 58 8.32	45.675	+ 2.45	− 58.8	4 7 37.16	.....	− 7 3 34.5	....
23	δ Tauri	7	18 18.60	− 0.53	**−23.37**	338 22 11.90	44.165	+ 2.45	− 22.5	4 17 54.69	.....	+17 20 30.6	....
24	ε Tauri	8	23 55.69	− 0.53	**−23.36**	340 0 9.30	46.675	+ 2.45	− 20.6	4 23 31.78	.....	+18 59 27.4	....
25	α Tauri	8	31 19.34	− 0.53	**−23.45**	337 22 9.48	43.740	+ 2.45	− 23.7	4 30 55.43	.....	+16 20 16.9	....
26	α Orionis	8	50 51.04	− 0.51	**−23.38**	328 26 10.92	42.800	+ 2.45	− 34.9	5 50 27.12	.....	+ 7 23 45.5	....
	October 10, P.												
27	Sun I, N	8	2 1.92	− 0.46	−23.58	314 36 3.80	46.638	+ 3.35	− 55.6	13 1 37.88	+64.84	− 6 25 13.8	....
28	Sun II, S	8	4 11.61	− 0.46	−23.58	314 4 3.30	46.338	+ 3.35	− 56.6	13 3 47.57	−64.85	− 6 57 21.1	....
29	Mercury C, C	8	21 24.19	− 0.45	−23.59	313 6 5.10	42.728	+ 3.35	− 58.5	13 21 0.15	0.00	− 7 56 43.8	....
30	ε Aquilæ	8	56 3.63	− 0.46	**−23.72**	335 58 12.22	45.380	+ 4.95	− 24.4	18 55 39.45	.....	+14 56 59.7	....
31	ζ Aquilæ	8	1 47.94	− 0.46	**−23.75**	334 46 9.55	43.022	+ 4.95	− 25.8	19 1 23.76	.....	+13 44 1.7	....
32	δ Aquilæ	8	21 30.05	− 0.44	**−23.76**	323 58 11.02	44.520	+ 4.95	− 39.8	19 21 5.88	.....	+ 2 56 23.7	....
33	β Cygni	8	27 36.24	− 0.50	**−23.75**	348 48 9.82	44.055	+ 4.95	− 10.8	19 27 12.01	.....	+27 46 39.8	....
34	γ Aquilæ	8	42 30.89	− 0.45	**−23.77**	331 26 11.90	43.150	+ 4.95	− 29.9	19 42 6.70	.....	+10 24 2.1	....
35	α Aquilæ	8	46 55.83	− 0.45	**−23.78**	329 40 12.25	43.800	+ 4.95	− 32.1	19 46 31.64	.....	+ 8 38 15.5	....
	October 10, Ep.												
36	α Orionis	8	50 51.72	− 0.49	**−24.05**	328 26 21.15	42.215	+ 4.85	− 34.4	5 50 27.16	.....	+ 7 23 45.3	....
37	δ Ursæ Minoris S. P.	8	0 34.08	+ 8.16	−24.08	54 22 21.48	45.760	+ 4.85	+1 18.3	18 0 18.16	.....	+86 36 59.6	....
38	η Geminorum	8	10 1.44	− 0.54	**−24.04**	343 34 21.22	42.508	+ 4.85	− 16.5	6 9 36.82	.....	+22 32 9.6	....
39	γ Geminorum	8	33 5.00	− 0.52	**−24.07**	337 30 22.52	44.128	+ 4.85	− 23.2	6 32 40.39	.....	+16 28 41.8	....
40	ε Geminorum	8	38 58.59	− 0.55	**−24.07**	346 14 20.78	45.258	+ 4.85	− 13.7	6 38 33.95	.....	+25 13 15.9	....
41	ξ Geminorum	8	40 48.18	− 0.50	**−24.06**	334 0	......	....	-	6 40 23.59	.....	+12 59	....
42	λ Geminorum	8	13 29.31	− 0.52	**−24.10**	337 44 22.32	42.610	+ 4.85	− 23.0	7 13 4.69	.....	+16 42 7.3	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 12 53	29.684	73.1	74.5
18 1	29.600	76.6	76.7
18 42	29.598	74.8	74.8
22 58	29.682	65.9	64.1
23 25	......	....	63.0
23 40	29.694	64.0	62.3
0 1	......	....	61.2
0 6	29.696	63.1	61.1
8 12 57	29.924	60.3	57.5
13 9	29.918	60.5	58.0
18 54	29.898	58.7	57.0
19 20	......	....	55.0
19 48	29.900	56.0	54.9
9 3 52	29.850	59.0	58.0
4 10	......	....	57.9
4 33	29.848	58.8	57.8
5 49	......	....	57.0
5 57	29.846	58.0	....
10 13 4	29.918	75.1	76.2
13 21	29.909	75.8	77.1
18 54	29.907	78.0	77.8
19 25	......	....	76.8
19 43	29.904	76.3	76.0
5 51	[illegible]	66.8	66.1
6 10	......	....	65.2
6 33	29.902	65.4	64.0
6 43	......	....	63.7
7 13	29.906	64.9	63.9

Micrometer bisections are made at II, VI, except as noted below.

1, 11, 27. Bisections at I, II.
2, 12, 28. Bisections at VI, VII.
3, 37. Bisections at 9^{r}.0, 11^{r}.0.
13, 29. Bisections at I, II, VI, VII.

Note.
18, 19. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.1	−16 1.2	...	−15 55.1
2	+ 6.2	+16 1.1	...	+16 7.3
11	+ 6.2	+16 2.9	...	+16 9.1
12	+ 6.1	−16 2.9	...	−15 56.8
13	+ 4.4	.. ....	0.0	+ 4.4
27	+ 6.2	−16 3.6	...	−15 57.4
28	+ 6.3	+16 3.6	...	+16 9.9
29	+ 4.5	.. ....	0.0	+ 4.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 11, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N.	8	5 43.67	− 0.48	−24.21	314 14 14.60	44.205	+ 4.75	− 55.8	13 5 18.98	+64.72	− 6 47 57.0	....
2	Sun II, S.	8	7 53.11	− 0.48	−24.21	313 42 14.85	43.968	+ 4.75	− 56.9	13 7 28.42	−64.72	− 7 20 2.4	....
3	γ Aquilæ	8	42 31.52	− 0.53	**−24.34**	331 26 12.45	43.118	+ 5.72	− 29.9	19 42 6.65	......	+10 24 2.7	....
4	α Aquilæ	8	46 56.41	− 0.52	**−24.31**	329 40 10.82	43.858	+ 5.72	− 32.1	19 46 31.55	......	+ 8 38 16.2	....
5	β Aquilæ	8	51 26.54	− 0.52	**−24.35**	327 12 9.85	46.778	+ 5.72	− 35.4	19 51 1.68	......	+ 6 11 19.0	....
6	γ Sagittæ	8	55 17.47	− 0.56	**−24.32**	340 16 10.52	46.195	+ 5.72	− 19.7	19 54 52.57	......	+19 15 21.9	....
7	α Delphini	8	36 0.23	− 0.54	**−24.36**	336 38 11.05	43.575	+ 5.72	− 23.8	20 35 35.33	......	+15 36 18.3	....
8	μ Aquarii	8	48 22.22	− 0.50	**−24.39**	311 44 11.32	42.540	+ 5.72	−1 1.7	20 47 57.36	......	− 9 18 42.7	....
	October 14, P.												
9	β Eridani	8	4 0.76	− 0.52	**−25.99**	315 50 9.88	45.500	+ 1.68	− 56.8	5 3 34.21	......	− 5 11 35.9	....
10	β Orionis	8	10 47.84	− 0.52	**−26.00**	312 44 8.95	45.335	+ 1.68	−1 3.4	5 10 21.29	......	− 8 17 46.8	....
11	γ Orionis	8	20 54.13	− 0.52	**−26.02**	327 18 10.00	45.005	+ 1.68	− 37.6	5 20 27.58	......	+ 6 16 32.6	....
12	δ Orionis	8	28 0.04	− 0.52	**−26.06**	320 40 9.22	45.458	+ 1.68	− 48.1	5 27 33.48	......	− 0 21 29.0	....
13	ε Orionis	8	32 14.26	− 0.52	**−26.08**	319 46 10.25	46.425	+ 1.68	− 49.6	5 31 47.70	......	− 1 15 7.2	....
14	α Orionis	8	50 53.88	− 0.52	**−26.06**	328 26 9.45	42.912	+ 1.68	− 36.1	5 50 27.32	......	+ 7 23 44.6	....
15	δ Ursæ Minoris S. P.	8	0 32.93	+ 9.30	−26.05	54 22 9.08	46.240	+ 1.68	+1 22.3	18 0 16.18	......	+86 37 0.4	....
	October 15, P.												
16	Sun I, S.	8	20 34.56	− 0.47	−26.23	312 11 57.80	45.485	+ 2.14	−1 1.9	13 20 7.86	+65.22	− 8 49 53.0	....
17	Sun II, N.	8	22 45.01	− 0.47	−26.23	312 43 58.58	45.732	+ 2.14	−1 0.8	13 22 18.31	−65.23	− 8 17 44.7	....
18	Moon I.	8	48 33.51	− 0.51	−26.33	291 40	......	....	. ....	17 48 6.67	+71.60	.. ..	....
19	ζ Aquilæ	8	1 50.48	− 0.46	**−26.38**	334 46 11.00	43.120	+ 1.92	− 26.6	19 1 23.65	......	+13 44 1.6	....
20	δ Aquilæ	8	21 32.62	− 0.44	**−26.41**	323 58 11.40	44.715	+ 1.92	− 41.2	19 21 5.80	......	+ 2 56 24.1	....
21	β Cygni	8	27 38.86	− 0.51	**−26.46**	348 48 11.20	44.155	+ 1.92	− 11.2	19 27 11.97	......	+27 46 40.1	....
22	γ Aquilæ	8	42 33.42	− 0.45	**−26.38**	331 26 12.55	43.305	+ 1.92	− 30.9	19 42 6.59	......	+10 24 2.2	....
23	α Aquilæ	8	46 58.29	− 0.45	**−26.32**	329 40 11.75	44.052	+ 1.92	− 33.2	19 46 31.45	......	+ 8 38 16.6	....
24	β Aquilæ	8	51 28.44	− 0.44	**−26.39**	327 12 11.70	46.898	+ 1.92	− 36.6	19 51 1.61	......	+ 6 11 18.6	....
	October 15, Ep.												
25	ν Orionis	8	3 2.99	− 0.49	**−26.71**	335 48 11.28	45.708	+ 1.29	− 26.7	6 2 35.78	......	+14 47 0.4	....
26	η Geminorum	8	10 4.23	− 0.52	**−26.69**	343 34 11.58	43.125	+ 1.29	− 17.5	6 9 36.98	......	+22 32 9.5	....
27	μ Geminorum	8	18 8.53	− 0.52	**−26.73**	343 34 11.28	47.255	+ 1.29	− 17.5	6 17 41.28	......	+22 33 43.6	....
28	ι Geminorum	8	20 45.89	− 0.54	**−26.72**	349 0	......	....	. ....	7 20 18.60	......	+27 58	....
29	β Canis Minoris	8	22 52.40	− 0.48	**−26.76**	329 30 11.55	43.965	+ 1.29	− 35.1	7 22 25.17	......	+ 8 28 11.8	....
30	β Geminorum	8	40 26.04	− 0.54	**−26.79**	349 16 20.78	43.048	+ 1.29	− 11.3	7 39 58.74	......	+28 14 23.5	....
	October 16, Ep.												
31	Sun I, N.	8	24 18.71	− 0.43	−26.89	312 22 9.15	45.050	+ 0.75	−1 3.4	13 23 51.39	+65.33	− 8 39 54.3	....
32	Sun II, S.	8	26 29.36	− 0.43	−26.89	311 50 8.75	44.778	+ 0.75	−1 4.6	13 26 2.04	−65.32	− 9 12 1.6	....
33	δ Ursæ Minoris	8	0 51.31	− 8.75	−27.00	47 36 8.12	47.195	+ 1.10	+1 3.0	18 0 15.56	......	+86 37 0.4	....
34	Moon I, S.	8	46 14.43	− 0.51	−27.01	291 38 5.65	48.531	+ 1.10	−2 23.6	18 45 46.91	+70.66	−29 23 57.4	....
35	δ Aquilæ	8	21 33.21	− 0.44	**−27.02**	323 58 8.22	44.972	+ 1.10	− 41.9	19 21 5.74	......	+ 2 56 25.3	....
36	β Cygni	8	27 39.41	− 0.52	**−27.02**	348 48 8.82	44.335	+ 1.10	− 11.4	19 27 11.86	......	+27 46 40.8	....
37	γ Aquilæ	8	42 34.05	− 0.46	**−27.02**	331 26 8.85	43.548	+ 1.10	− 31.5	19 42 6.56	......	+10 24 2.7	....
38	α Aquilæ	8	46 58.96	− 0.46	**−27.00**	329 40 8.32	44.310	+ 1.10	− 33.8	19 46 31.46	......	+ 8 38 17.7	....
39	β Aquilæ	8	51 29.04	− 0.46	**−26.99**	327 12 9.88	47.080	+ 1.10	− 37.2	19 51 1.54	......	+ 6 11 19.5	....
40	γ Sagittæ	8	55 20.05	− 0.49	**−27.06**	340 16 8.52	46.540	+ 1.10	− 20.7	19 54 52.52	......	+19 15 22.2	....
	October 16, M.												
41	ε Geminorum	8	39 1.78	− 0.51	**−27.10**	346 14 15.18	45.682	+ 0.56	− 14.5	6 38 34.17	......	+25 13 14.9	....
42	ζ Geminorum	8	59 23.88	− 0.49	**−27.12**	341 44 14.62	42.968	+ 0.56	− 19.5	6 58 56.28	......	+20 42 7.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 13 8	29.952	79.8	81.0
19 43	......	....	75.1
19 47	[illegible]	75.9	....
19 55	......	....	74.7
20 36	29.901	74.5	....
20 48	......	....	73.8
14 5 1	29.960	46.0	44.7
5 19	......	....	44.0
5 34	......	....	43.0
6 4	29.952	44.0	42.0
15 13 23	29.988	64.7	65.2
18 59	30.002	63.1	....
19 4	......	....	62.9
19 24	......	....	60.9
19 41	......	....	60.1
19 53	30.020	60.7	60.0
6 3	30.171	43.3	40.7
6 18	30.170	43.0	40.3
7 18	30.184	41.3	39.2
7 40	30.184	40.9	39.2
16 13 26	30.200	55.3	54.0
18 1	30.124	58.2	58.0
18 46	30.109	56.5	56.0
19 16	30.100	55.0	54.6
19 40	30.100	53.9	53.3
19 55	30.102	53.2	52.8
6 39	30.000	42.7	39.9
6 59	......	....	40.4

Micrometer bisections are made at II, VI, except as noted below.

1, 16, 31. Bisections at I, II.
2, 17, 32. Bisections at VI, VII.
15, 33. Bisections at $\overset{r}{9.0}$, $\overset{r}{11.0}$.
34. Bisections at II, III, V, VI.

Note.
9–15. Fog.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 6.3	−16 2.7	...	−15 56.4
2	+ 6.3	+16 2.7	...	+16 9.0
16	+ 6.5	+16 4.1	...	+16 10.6
17	+ 6.4	−16 4.1	...	−15 57.7
31	+ 6.5	−16 3.6	...	−15 57.1
32	+ 6.5	+16 3.7	...	+16 10.2
34	+50 48.4	+14 57.8	...	+65 46.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ′	r	″	′ ″	h m s	s	° ′ ″	″
1	λ Geminorum	8	13 32.49	− 0.47	−27.14	337 44 10.65	43.328	+ 0.56	− 24.2	7 13 4.91	.....	+16 42 6.5	....
2	ι Geminorum	8	20 46.31	− 0.52	−27.13	349 0 11.72	43.660	+ 0.56	− 11.5	7 20 18.68	.....	+27 58 27.3	....
3	β Canis Minoris	8	22 52.78	− 0.45	−27.14	329 30 12.40	43.925	+ 0.56	− 34.8	7 22 25.22	.....	+ 8 28 11.3	....
	October 17, M.												
4	Sun I, N.	8	28 3.36	− 0.38	−27.26	312 0 11.42	44.858	+ 0.39	−1 2.7	13 27 35.72	+65.34	− 9 1 56.1	....
5	Sun II, S.	8	30 14.05	− 0.38	−27.26	311 28 11.48	44.555	+ 0.39	−1 3.9	13 29 46.41	−65.35	− 9 34 3.3	....
6	Mercury C, C.	8	3 38.82	− 0.38	−27.27	308 16 7.25	43.386	+ 0.39	−1 11.4	14 3 11.17	0.00	−12 46 43.1	....
	October 17, P.												
7	δ Tauri	8	18 23.09	− 0.53	−27.66	338 22 8.72	44.408	+ 1.17	− 22.8	4 17 54.90	.....	+17 20 31.4	....
8	ε Tauri	8	24 0.26	− 0.53	−27.72	340 0 9.40	46.750	+ 1.17	− 20.9	4 23 32.06	.....	+18 59 27.6	....
9	α Tauri	8	31 23.74	− 0.52	−27.65	337 22 9.80	43.805	+ 1.17	− 24.0	4 30 55.55	.....	+16 20 17.2	....
10	ι Tauri	8	58 21.67	− 0.54	−27.69	342 30 11.30	43.142	+ 1.17	− 18.1	4 57 53.45	.....	+21 28 9.9	....
11	β Eridani	8	4 2.50	− 0.50	−27.67	315 50 9.92	45.475	+ 1.17	− 55.8	5 3 34.32	.....	− 5 11 36.0	....
12	α Orionis	8	50 55.56	− 0.50	−27.67	328 26 10.78	42.855	+ 1.17	− 35.4	5 50 27.36	.....	+ 7 23 44.8	....
13	δ Ursæ Minoris s. p.	8	0 33.69	+ 9.28	−27.70	54 22 8.75	46.385	+ 1.17	+1 20.6	18 0 15.27	.....	+86 36 59.6	....
	October 18, P.												
14	Sun I, S.	8	31 48.68	− 0.48	−27.84	311 6 9.80	44.855	+ 1.70	−1 4.0	13 31 20.36	+65.45	− 9 55 58.1	....
15	Sun II, N.	7	33 59.58	− 0.48	−27.84	311 38 8.90	45.272	+ 1.70	−1 2.8	13 33 31.26	−65.45	− 9 23 47.0	....
16	δ Aquilæ	8	21 34.08	− 0.50	−27.86	323 58 9.68	44.692	+ 3.04	− 40.4	19 21 5.65	.....	+ 2 56 23.8	....
17	γ Aquilæ	8	42 35.04	− 0.51	−27.99	331 26 10.38	43.332	+ 3.04	− 30.4	19 42 6.59	.....	+10 24 2.3	....
18	α Aquilæ	8	46 59.90	− 0.50	−27.93	329 40 8.18	44.085	+ 3.04	− 32.6	19 46 31.46	.....	+ 8 38 15.5	....
19	β Aquilæ	8	51 29.99	− 0.50	−27.93	327 12 9.15	46.918	+ 3.04	− 35.9	19 51 1.55	.....	+ 6 11 18.3	....
20	γ Sagittæ	8	55 20.94	− 0.53	−27.95	340 16 8.92	46.372	+ 3.04	− 20.0	19 54 52.47	.....	+19 15 21.4	....
21	4 B. Ursæ Minoris s. p.	8	11 42.11	+25.42	−27.95	52 6 9.12	45.102	+ 3.04	+1 11.9	8 11 39.58	.....	+88 53 35.7	....
22	Moon I, S.	8	34 33.51	− 0.55	−27.96	296 18 8.70	42.759	+ 3.04	−1 52.5	20 34 5.00	+66.97	−24 45 34.2	....
23	32 Vulpeculæ	8	51 19.09	− 0.56	−28.00	348 44 10.35	46.725	+ 3.04	− 11.1	20 50 50.57	.....	+27 43 39.0	....
	October 20, P.												
24	16 Pegasi	8	49 35.45	− 0.61	−29.05	346 32 7.78	45.255	+ 2.34	− 13.8	21 49 5.72	.....	+25 31 0.1	....
25	α Aquarii	8	1 48.39	− 0.54	−29.07	320 16 9.18	47.768	+ 2.34	− 48.0	22 1 18.73	.....	− 0 44 35.4	....
26	θ Pegasi	8	6 18.10	− 0.54	−29.07	326 48 10.38	44.010	+ 2.34	− 37.8	22 5 48.43	.....	+ 5 46 10.7	....
27	Moon I, S.	8	11 37.26	− 0.56	−29.13	305 6 10.55	43.704	+ 2.34	−1 22.1	22 11 7.57	+63.44	−15 56 41.3	....
28	γ Aquarii	8	17 39.29	− 0.54	−29.06	319 12 10.60	45.160	+ 2.34	− 49.9	22 17 9.62	.....	− 1 49 35.2	....
29	η Aquarii	8	31 22.78	− 0.54	−29.12	320 28 10.18	44.050	+ 2.34	− 47.7	22 30 53.11	.....	− 0 33 58.7	....
30	ζ Pegasi	8	37 36.92	− 0.55	−29.11	331 24 10.38	45.022	+ 2.34	− 31.5	22 37 7.23	.....	+10 22 39.2	....
	October 20, M.												
31	ζ Geminorum	8	59 26.21	− 0.55	−29.25	341 44 9.42	43.148	+ 1.46	− 19.3	6 58 56.40	.....	+20 42 7.2	....
32	λ Geminorum	8	13 34.82	− 0.54	−29.27	337 44 8.58	43.352	+ 1.46	− 24.0	7 13 5.02	.....	+16 42 6.1	....
33	ι Geminorum	8	20 48.71	− 0.59	−29.32	349 0 9.42	43.760	+ 1.46	− 11.4	7 20 18.86	.....	+27 58 28.3	....
34	β Canis Minoris	8	22 55.19	− 0.52	−29.35	329 30 8.68	44.055	+ 1.46	− 34.5	7 22 25.41	.....	+ 8 28 11.8	....
35	β Geminorum	8	40 28.83	− 0.59	−29.36	349 16 6.68	43.628	+ 1.46	− 11.1	7 39 58.97	.....	+28 14 23.0	....
36	β Cancri	8	12 16.83	− 0.52	−29.33	330 28 5.35	47.620	+ 1.46	− 33.2	8 11 47.03	.....	+ 9 27 31.5	....
	October 21, M.												
37	Sun I, S.	7	43 8.06	− 0.46	−29.38	310 2 6.75	43.090	+ 1.84	−1 7.6	13 42 38.22	+65.68	−11 0 45.3	....
38	Sun II, N.	8	45 19.42	− 0.46	−29.38	310 34 7.20	43.400	+ 1.84	−1 6.3	13 44 49.58	−65.68	−10 28 35.7	....
39	δ Ursæ Minoris	8	0 52.13	− 8.99	−29.47	47 36	......	....	.....	18 0 13.67	.....	+86 36	....
	October 25, P.												
40	Moon I, N.	8	2 17.62	− 0.57	−31.81	335 24 9.20	46.038	+ 0.65	− 26.3	2 1 45.24	+66.24	+14 23 10.8	....
41	Moon II, S.	8	4 30.10	− 0.57	−31.81	334 52 11.35	47.855	+ 0.65	− 26.9	2 3 57.72	−66.24	+13 51 43.7	....
42	ξ² Ceti	8	24 4.60	− 0.53	−31.82	329 6 12.20	44.412	+ 0.58	− 34.4	2 23 32.26	.....	+ 8 4 22.6	....
43	δ Ceti	8	35 34.12	− 0.51	−31.84	321 0 12.80	42.308	+ 0.49	− 46.6	2 35 1.79	.....	− 0 2 37.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 7 23	30.004	42.7	40.4
17 13 30	29.970	62.0	62.0
14 4	29.960	63.0	62.9
4 16	29.840	53.5	52.0
4 38	......	....	51.0
4 57	......	....	51.0
5 6	29.838	52.0	51.0
5 49	......	....	50.5
6 4	29.834	52.0	50.1
18 13 34	29.870	65.6	65.5
19 19	29.820	68.0	67.4
19 41	......	....	66.0
19 58	......	....	66.0
20 37	29.824	66.8	65.3
20 54	29.823	66.0	65.0
20 21 47	30.022	53.5	52.5
22 0	......	....	52.0
22 10	......	....	51.9
22 30	......	....	51.8
22 39	30.028	53.0	51.7
6 58	30.056	47.2	45.4
7 23	......	....	45.7
7 40	......	....	45.7
8 12	30.070	47.1	45.7
21 13 45	30.118	62.5	62.0
25 2 0	29.672	50.0	49.0
2 26	......	....	49.0
2 38	......	....	48.5

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisection at VI.
4, 14, 37, 40.	Bisections at I, II.
5, 15, 38, 41.	Bisections at VI, VII.
6.	Bisections at I, II, VI, VII.
13.	Bisections at $9^{r}.0$, $11^{r}.0$.
21.	Bisections at $9^{r}.5$, $10^{r}.5$.
22, 27.	Bisections at II, III, V, VI.
30.	Bisections at II, VII.

Note.

40. Micrometer reading increased 1 rev.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 6.5	−16 3.6	...	−15 57.1
5	+ 6.6	+16 3.5	...	+16 10.1
6	+ 4.8	.. ....	0.0	+ 4.8
14	+ 6.6	+16 5.5	...	+16 12.1
15	+ 6.6	−16 5.6	...	−15 59.0
22	+48 28.3	+14 48.3	...	+63 16.6
27	+44 18.9	+14 50.7	...	+59 9.6
37	+ 6.7	+16 4.8	...	+16 11.5
38	+ 6.7	−16 4.8	...	−15 58.1
40	+23 23.2	−15 29.7	...	+ 7 53.5
41	+23 51.6	+15 29.7	− 0.7	+39 20.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ceti	8	58 16.58	− 0.52	**−31.85**	324 46 12.38	46.600	+ 0.31	− 40.6	2 57 44.23	.....	+ 3 45 6.4	....
2	δ Arietis	8	7 11.74	− 0.56	**−31.83**	340 26 13.08	42.870	+ 0.25	− 20.5	3 6 39.35	.....	+19 24 2.3	....
3	γ Eridani	7	54 31.05	− 0.52	**−31.78**	307 16 15.00	47.562	− 0.13	−1 15.7	3 53 58.68	.....	−13 45 4.9	....
4	ν Tauri	8	59 4.30	− 0.52	**−31.87**	326 46 14.58	46.418	− 0.18	− 37.8	3 58 31.93	.....	+ 5 45 7.1	....
5	Saturn I, C	5	5 3.74	− 0.56	−31.85	339 34 16.45	49.442	− 0.23	− 21.5	4 4 31.33	+ 0.75	+18 32 58.5	....
6	Saturn II	6	5 5.25	− 0.56	−31.85	... .	......	....	.....	4 4 32.84	− 0.76	.. ..	....
7	δ Tauri	8	18 27.50	− 0.56	**−31.85**	338 22 15.05	44.202	− 0.33	− 22.9	4 17 55.08	.....	+17 20 31.4	....
	October 26, P.												
8	Sun I, S	8	2 13.79	− 0.49	−32.09	308 16 12.55	46.310	+ 1.11	−1 11.6	14 1 41.21	+66.25	−12 45 30.7	....
9	Sun II, N	8	4 26.30	− 0.49	−32.09	308 48 11.42	46.920	+ 1.11	−1 10.2	14 3 53.72	−66.26	−12 13 15.4	....
10	Moon II, N	8	57 22.32	− 0.54	−32.40	340 52 12.68	42.985	+ 0.44	− 20.2	2 56 49.38	−69.14	+19 50 5.2	....
11	δ Arietis	8	7 12.32	− 0.53	**−32.42**	340 26 9.80	43.015	+ 0.44	− 20.7	3 6 39.39	.....	+19 24 2.3	....
12	ο Tauri	8	20 41.04	− 0.50	**−32.41**	329 46 11.98	42.288	+ 0.44	− 34.0	3 20 8.13	.....	+ 8 43 34.4	....
13	f Tauri	8	26 37.30	− 0.51	**−32.43**	333 40 9.92	44.668	+ 0.44	− 28.8	3 26 4.38	.....	+12 38 31.8	....
14	η Tauri	8	42 51.76	− 0.56	**−32.39**	344 52 11.22	43.595	+ 0.44	− 15.8	3 42 18.78	.....	+23 50 22.1	....
15	γ Eridani	8	54 31.64	− 0.50	**−32.37**	307 16 11.05	47.752	+ 0.44	−1 16.6	3 53 58.72	.....	−13 45 4.8	....
16	ν Tauri	8	59 4.89	− 0.50	**−32.46**	326 46 12.02	46.552	+ 0.44	− 38.2	3 58 31.97	.....	+ 5 45 7.8	....
17	Saturn I, C	6	4 48.19	− 0.54	−32.42	339 34 11.92	47.520	+ 0.44	− 21.8	4 4 15.23	+ 0.78	+18 32 10.4	....
18	Saturn II	6	4 49.75	− 0.54	−32.42	... .	......	....	.....	4 4 16.79	− 0.78	.. ..	....
	October 27, M.												
19	Moon II, N	8	54 45.80	− 0.57	−32.93	345 18 6.72	50.261	+ 0.20	− 15.2	3 54 12.30	−72.18	+24 18 50.3	....
20	Saturn I, C	4	4 32.40	− 0.53	−32.93	339 32 8.38	50.714	+ 0.20	− 21.7	4 3 58.94	+ 0.68	+18 31 19.7	....
21	Saturn II	4	4 33.77	− 0.53	−32.93	... .	......	....	.....	4 4 0.31	− 0.69	.. ..	....
22	δ Tauri	8	18 28.65	− 0.53	**−32.98**	338 22 6.98	44.545	+ 0.20	− 23.1	4 17 55.18	.....	+17 20 31.5	....
23	ε Tauri	8	24 5.74	− 0.53	**−32.95**	340 0 6.25	46.952	+ 0.20	− 21.2	4 23 32.27	.....	+18 59 27.8	....
24	α Tauri	8	31 29.28	− 0.52	**−32.94**	337 22 7.38	43.992	+ 0.20	− 24.3	4 30 55.82	.....	+16 20 17.7	....
25	τ Tauri	7	37 34.94	− 0.55	**−32.96**	343 48 3.55	47.310	+ 0.20	− 16.9	4 37 1.44	.....	+22 47 37.0	....
26	ι Tauri	8	58 27.22	− 0.54	**−32.97**	342 30 6.62	43.388	+ 0.20	− 18.4	4 57 53.73	.....	+21 28 9.6	....
27	β Eridani	8	4 7.95	− 0.48	**−32.88**	315 50 5.55	45.672	+ 0.20	− 56.6	5 3 34.51	.....	− 5 11 37.6	....
28	δ Ursæ Minoris s. p.	8	0 34.25	+ 9.71	−32.98	54 22 8.60	46.480	+ 0.20	+1 21.8	18 0 10.98	.....	+86 36 57.3	....
	October 28, M.												
29	Sun I, N	8	9 57.05	− 0.43	−33.15	308 8 6.18	45.780	+ 0.37	−1 11.8	14 9 23.47	+66.41	−12 53 49.7	....
30	Sun II, S	8	12 9.88	− 0.43	−33.15	307 36 6.32	45.205	+ 0.37	−1 13.2	14 11 36.30	−66.42	−13 26 4.0	....
31	ζ Cygni	8	9 47.16	− 0.56	**−33.29**	350 52 5.80	48.715	− 2.67	− 9.1	21 9 13.30	.....	+29 52 16.4	....
32	β Aquarii	8	27 32.18	− 0.46	**−33.35**	315 4 5.65	46.555	− 2.67	− 56.7	21 26 58.42	.....	− 5 57 20.4	....
33	ε Pegasi	8	40 28.14	− 0.48	**−33.32**	330 30 9.80	45.015	− 2.67	− 32.2	21 39 54.35	.....	+ 9 28 33.0	....
34	16 Pegasi	8	49 39.58	− 0.54	**−33.37**	346 32 8.95	45.425	− 2.67	− 13.6	21 49 5.73	.....	+25 31 0.4	....
35	α Aquarii	8	1 52.52	− 0.46	**−33.37**	320 16 1.28	48.278	− 2.67	− 47.3	22 1 18.74	.....	− 0 44 36.0	....
36	θ Pegasi	8	6 22.15	− 0.47	**−33.28**	326 48 8.60	44.270	− 2.67	− 37.3	22 5 48.36	.....	+ 5 46 9.4	....
	October 28, P.												
37	Saturn I, C	6	4 16.33	− 0.53	−33.52	339 32 11.68	48.364	+ 0.72	− 21.5	4 3 42.28	+ 0.78	+18 30 30.0	....
38	Saturn II	6	4 17.88	− 0.53	−33.52	... .	......	....	.....	4 3 43.83	− 0.77	.. ..	....
39	δ Tauri	8	18 29.19	− 0.52	**−33.51**	338 22 11.80	44.285	+ 0.72	− 22.9	4 17 55.15	.....	+17 20 31.1	....
40	ε Tauri	8	24 6.32	− 0.53	**−33.51**	340 0 11.98	46.660	+ 0.72	− 21.0	4 23 32.27	.....	+18 59 27.6	....
41	α Tauri	8	31 29.83	− 0.52	**−33.47**	337 22 12.18	43.722	+ 0.72	− 24.0	4 30 55.79	.....	+16 20 17.2	....
42	τ Tauri	8	37 35.53	− 0.55	**−33.52**	343 48 12.42	46.862	+ 0.72	− 16.7	4 37 1.45	.....	+22 47 36.4	....
43	Moon II, N	8	56 39.57	− 0.60	−33.53	348 22 11.92	50.526	+ 0.72	− 11.8	4 56 5.44	−74.81	+27 23 4.5	....
44	β Eridani	8	4 8.59	− 0.48	**−33.50**	315 50 11.20	45.385	+ 0.72	− 56.0	5 3 34.57	.....	− 5 11 37.4	....
45	β Orionis	8	10 55.70	− 0.48	**−33.54**	312 44 11.32	45.168	+ 0.72	−1 2.4	5 10 21.68	.....	− 8 17 48.3	....
46	α Virginis	8	21 8.44	− 0.45	[**−33.68**]	310 20 12.58	44.048	+ 1.19	−1 6.4	13 20 34.27	.....	−10 42 16.6	....
47	α Ursæ Minoris s. p.	8	28 51.56	+26.60	−33.72	52 10 15.05	42.330	+ 1.19	+1 12.8	1 28 44.44	.....	+88 50 34.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 3 9	29.666	48.8	48.0
3 53	......	....	46.5
4 10	......	....	46.1
4 20	29.662	47.1	46.0
26 14 2	29.726	58.2	57.6
2 58	29.810	46.0	45.0
3 29	......	....	44.0
3 46	......	....	43.9
4 7	29.814	44.2	43.0
27 3 55	29.866	46.3	45.1
4 18	......	....	44.8
4 38	......	....	44.7
5 4	29.862	45.3	45.2
6 0	29.852	44.7	43.7
28 14 12	29.886	60.0	61.0
21 10	29.856	57.8	57.6
21 40	......	....	56.4
22 6	29.846	56.3	55.8
4 2	29.834	51.0	50.0
4 21	......	....	50.0
4 40	......	....	49.8
4 57	......	....	49.6
5 13	29.828	50.8	49.1
13 19	......	....	61.0
13 33	29.867	62.0	61.2

Micrometer bisections are made at II, VI, except as noted below.

2.	Bisections at II, VII.
3, 9, 30.	Bisections at VI, VII.
5, 17, 20, 37.	Bisections at I, II, VI, VII.
5, 17, 20, 37.	Z. D. threads C used.
8, 29.	Bisections at I, II.
10, 19, 43.	Bisections at II, III, V, VI.
28.	Bisections at $9\overset{r}{.}0$, $11\overset{r}{.}0$.
47.	Bisections at $9\overset{r}{.}5$, $10\overset{r}{.}5$.

Note.
22–28. Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 0.4	.. ....	...	+ 0.4
8	+ 6.9	+16 7.6	...	+16 14.5
9	+ 6.9	−16 7.7	...	−16 0.8
10	+18 33.2	−15 39.4	...	+ 2 53.8
17	+ 0.4	.. ....	...	+ 0.4
19	+14 23.3	−15 47.6	...	− 1 24.3
20	+ 0.4	.. ....	...	+ 0.4
29	+ 6.9	−16 7.1	...	−16 0.2
30	+ 7.0	+16 7.1	...	+16 14.1
37	+ 0.4	.. ....	...	+ 0.4
43	+11 27.2	−15 54.7	...	− 4 27.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	October 29, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	8	13 49.78	− 0.49	−33.74	307 48 10.00	45.605	+ 1.07	−1 12.3	14 13 15.55	+66.63	−13 13 49.8	....
2	Sun II, S	8	16 3.05	− 0.49	−33.74	307 16 8.70	45.115	+ 1.07	−1 13.7	14 15 28.82	−66.64	−13 46 3.6	....
3	Mercury C, C	8	15 9.04	− 0.49	−33.76	301 24 8.80	44.705	+ 1.65	−1 30.8	15 14 34.79	+ 0.01	−19 38 29.1	....
4	θ Aquilæ	6	7 22.42	− 0.48	**−33.85**	319 56 8.45	46.985	+ 2.28	− 46.9	20 6 48.07	.....	− 1 4 53.0	....
5	4 B. Ursæ Minoris s. p.	7	12 2.26	+25.21	−33.87	52 6 20.30	44.680	+ 2.28	+1 12.0	8 11 53.60	.....	+88 53 34.8	....
6	ε Delphini	8	29 36.94	− 0.49	**−33.87**	332 2 9.88	44.360	+ 2.28	− 29.7	20 29 2.58	.....	+11 0 25.2	....
7	α Delphini	8	36 9.39	− 0.50	**−33.85**	336 38 8.98	43.845	+ 2.28	− 24.2	20 35 35.01	.....	+15 36 17.6	....
8	μ Aquarii	8	48 31.41	− 0.49	**−33.84**	311 44 10.85	42.720	+ 2.28	−1 2.8	20 47 57.04	.....	− 9 18 43.6	....
9	ζ Cygni	8	9 47.78	− 0.56	**−33.92**	350 52 11.18	48.250	+ 2.28	− 9.0	21 9 13.33	.....	+29 52 16.2	....
10	β Aquarii	8	27 32.77	− 0.48	**−33.93**	315 4 11.78	46.028	+ 2.28	− 56.0	21 26 58.39	.....	− 5 57 20.7	....
11	ε Pegasi	8	40 28.72	− 0.49	**−33.90**	330 30 12.38	44.650	+ 2.28	− 31.8	21 39 54.33	.....	+ 9 28 32.6	....
	October 29, Ep.												
12	ε Orionis	8	32 22.78	− 0.51	**−34.20**	319 46 7.98	46.388	+ 1.70	− 48.5	5 31 48.09	.....	− 1 15 9.2	....
13	κ Orionis	8	44 12.69	− 0.51	**−34.17**	311 20 9.92	45.615	+ 1.70	−1 5.1	5 43 37.99	.....	− 9 41 41.5	....
14	α Orionis	8	51 2.44	− 0.52	**−34.19**	328 26 9.50	42.830	+ 1.70	− 35.2	5 50 27.73	.....	+ 7 23 43.7	....
15	Moon II, N	8	1 49.59	− 0.62	−34.19	349 40 8.38	46.602	+ 1.70	− 10.4	6 1 14.78	−76.25	+28 39 33.6	....
16	η Geminorum	8	10 12.25	− 0.56	**−34.22**	343 34 9.68	43.108	+ 1.70	− 16.9	6 9 37.49	.....	+22 32 8.2	....
17	μ Geminorum	8	18 16.50	− 0.56	**−34.20**	343 34 9.90	47.222	+ 1.70	− 16.9	6 17 41.74	.....	+22 33 42.5	....
18	γ Geminorum	8	33 15.76	− 0.54	**−34.20**	337 30 10.40	44.732	+ 1.70	− 23.8	6 32 41.01	.....	+16 28 39.7	....
	October 30, Ep.												
19	Sun I, S	8	17 43.54	− 0.43	−34.37	306 56 6.98	45.680	+ 2.08	−1 13.2	14 17 8.74	+66.58	−14 5 51.5	....
20	Sun II, N	8	19 56.69	− 0.43	−34.37	307 28 4.88	46.300	+ 2.08	−1 11.8	14 19 21.89	−66.57	−13 33 37.0	....
21	ζ Cygni	8	9 48.38	− 0.60	**−34.50**	350 52 7.80	48.378	+ 2.38	− 8.9	21 9 13.26	.....	+29 52 16.0	....
22	1 H. Draconis s. p.	8	25 16.60	+ 3.54	−34.53	59 16 9.85	46.760	+ 2.38	+1 34.0	9 24 45.61	.....	+81 42 35.7	....
23	ε Pegasi	8	40 29.40	− 0.51	**−34.57**	330 30 8.65	44.822	+ 2.38	− 31.6	21 39 54.36	.....	+ 9 28 33.1	....
24	α Aquarii	8	1 53.72	− 0.50	**−24.56**	320 16 8.78	47.660	+ 2.38	− 46.5	22 1 18.68	.....	− 0 44 36.8	....
25	θ Pegasi	8	6 23.42	− 0.51	**−34.54**	326 48 8.02	44.005	+ 2.38	− 36.6	22 5 48.37	.....	+ 5 46 9.5	....
26	θ Aquarii	8	12 49.48	− 0.50	**−34.54**	312 48 7.88	47.012	+ 2.38	−1 0.4	22 12 14.44	.....	− 8 13 5.4	....
27	γ Aquarii	8	17 44.62	− 0.50	**−34.54**	319 12 8.25	45.175	+ 2.38	− 48.4	22 17 9.57	.....	− 1 49 35.6	....
	October 30, M.												
28	Saturn I, C	6	3 43.38	− 0.57	−34.49	339 30 7.72	49.320	+ 1.59	− 21.5	4 3 8.32	+ 0.70	+18 28 48.5	....
29	Saturn II	6	3 44.77	− 0.57	−34.49	... .	......	....	·	4 3 9.71	− 0.69	.. ..	....
30	ι Tauri	8	58 28.91	− 0.58	**−34.54**	342 30 9.52	43.230	+ 1.44	− 18.2	4 57 53.81	.....	+21 28 10.3	....
31	β Eridani	8	4 9.68	− 0.53	**−34.49**	315 50 10.68	45.402	+ 1.42	− 56.0	5 3 34.63	.....	− 5 11 36.8	....
32	β Orionis	8	10 56.75	− 0.54	**−34.48**	312 44 5.58	45.420	+ 1.39	−1 2.5	5 10 21.69	.....	− 8 17 47.7	....
33	γ Orionis	8	21 3.11	− 0.54	**−34.54**	327 18 7.22	45.118	+ 1.36	− 37.1	5 20 28.05	.....	+ 6 16 32.6	....
34	δ Orionis	8	28 8.91	− 0.54	**−34.48**	320 40 4.58	45.612	+ 1.33	− 47.4	5 27 33.84	.....	− 0 21 29.7	....
35	ε Orionis	8	32 23.19	− 0.53	**−34.57**	319 46 8.85	46.470	+ 1.31	− 48.9	5 31 48.13	.....	− 1 15 7.3	....
36	Moon II, S	8	7 54.99	− 0.64	−34.56	348 24 8.05	44.902	+ 1.05	− 11.9	7 7 19.79	−76.07	+27 22 52.2	....
	October 31, M.												
37	Sun I, N	8	21 37.69	− 0.50	−34.70	307 8 10.55	47.435	+ 1.44	−1 15.4	14 21 2.49	+66.76	−13 53 10.0	....
38	Sun II, S	8	23 51.21	− 0.50	−34.70	306 36 12.08	46.782	+ 1.44	−1 16.9	14 23 16.01	−66.76	−14 25 24.9	....
39	ε Delphini	8	29 37.94	− 0.53	**−34.86**	332 2 9.88	44.465	+ 1.11	− 30.4	20 29 2.59	.....	+11 0 25.8	....
40	α Delphini	8	36 10.31	− 0.54	**−34.76**	336 38 9.38	43.902	+ 1.11	− 24.8	20 35 34.95	.....	+15 36 18.5	....
41	ε Cygni	8	43 16.08	− 0.63	−34.82	354 40 10.58	44.145	+ 1.11	− 5.3	20 42 40.63	.....	+33 38 44.5	....
42	76 Draconis	7	49 34.31	− 3.89	−34.83	43 12 12.08	46.750	+ 1.11	+ 54.1	20 48 55.59	.....	+82 12 45.8	....
43	ζ Cygni	8	9 48.70	− 0.60	**−34.84**	350 52 8.62	48.438	+ 1.11	− 9.2	21 9 13.27	.....	+29 52 16.6	....
44	ε Pegasi	8	40 29.68	− 0.52	**−34.86**	330 30 12.58	44.745	+ 1.11	− 32.5	21 39 54.32	.....	+ 9 28 33.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
29 14 16	29.856	62.8	63.2
15 15	29.834	67.1	67.8
20 5	29.784	66.8	65.0
20 38	......	....	63.0
21 11	29.784	64.0	62.0
21 30	......	....	62.0
21 42	29.780	62.3	61.2
5 32	29.747	53.2	51.3
5 54	29.751	52.9	50.8
6 15	......	....	50.5
6 33	29.752	52.3	50.0
30 14 20	29.816	70.8	72.0
21 10	29.827	65.7	66.3
21 25	......	....	66.3
21 40	29.837	65.3	65.5
22 2	......	....	64.3
22 18	29.848	64.3	64.1
4 4	29.896	54.8	52.8
4 58	29.914	52.6	50.8
5 11	......	....	50.3
5 32	29.914	51.3	49.2
7 8	29.936	48.8	46.8
31 14 24	29.940	57.1	55.1
20 30	29.840	54.8	53.0
21 10	......	....	52.2
21 40	29.844	53.3	51.8

Micrometer bisections are made at II, VI, except as noted below.

1, 19, 37.	Bisections at I, II.
2, 20, 38.	Bisections at VI, VII.
3, 28.	Bisections at I, II, VI, VII. r r
5.	Bisections at 9.5, 10.5.
6.	Bisections at II, VII.
15, 36.	Bisections at II, III, V, VI.
22.	Bisections at b_4, b_6.
28.	Z. D. threads C used.
42.	Two bisections at IV.

Notes.

33.34. Haze.

39, 42, 43. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.0	−16 6.9	...	−15 59.9
2	+ 7.0	+16 6.9	...	+16 13.9
3	+ 5.6	.. ....	− 0.1	+ 5.5
15	+10 14.6	−16 0.5	...	− 5 45.9
19	+ 7.1	+16 7.2	...	+16 14.3
20	+ 7.0	−16 7.2	...	−16 0.2
28	+ 0.4	.. ....	...	+ 0.4
36	+11 34.8	+16 4.9	...	+27 39.7
37	+ 7.0	−16 7.4	...	−16 0.4
38	+ 7.1	+16 7.4	...	+16 14.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 2, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Geminorum...........	8	20 55.99	− 0.50	**−36.22**	349 0 12.15	43.665	− 0.29	− 11.6	7 20 19.26	.....	+27 58 26.9	....
2	β Canis Minoris..........	8	23 2.26	− 0.40	**−36.12**	329 30 9.05	44.092	− 0.29	− 35.3	7 22 25.73	.....	+ 8 28 10.4	....
3	4 B. Ursæ Minoris.....	8	13 8.19	−31.46	−36.15	49 54 .13.12	42.972	− 0.50	+1 11.6	8 12 0.58	.....	+88 53 36.0	....
4	30 Monocerotis...........	8	21 54.78	− 0.36	**−36.14**	317 24 9.35	47.102	− 0.54	− 55.2	8 21 18.26	.....	− 3 37 0.7	....
5	ε Hydræ................	8	42 46.07	− 0.37	**−36.14**	327 46 12.05	45.115	− 0.62	− 37.9	8 42 9.54	.....	+ 6 44 33.9	....
6	ζ Hydræ................	8	51 23.60	− 0.37	**−36.16**	327 18 11.60	45.972	− 0.65	− 38.6	8 50 47.06	.....	+ 6 16 53.0	....
7	θ Hydræ................	8	10 26.03	− 0.35	**−36.15**	323 42 11.95	47.008	− 0.73	− 44.2	9 9 49.51	.....	+ 2 41 11.2	....
8	Moon II, S.............	8	10 33.05	− 0.38	−36.20	335 38 12.35	44.786	− 0.98	− 27.2	10 9 56.47	−69.67	+14 36 37.8	....
	November 3, M.												
9	λ Geminorum...........	7	13 42.50	− 0.39	**−36.63**	337 44	......	....	.....	7 13 5.48	.....	+16 42	....
10	ι Geminorum...........	8	20 56.41	− 0.48	**−36.63**	349 0	......	....	.....	7 20 19.29	.....	+27 58	....
11	β Canis Minoris........	8	23 2.77	− 0.35	**−36.65**	329 30	......	....	.....	7 22 25.78	.....	+ 8 28	....
12	β Geminorum...........	8	40 36.50	− 0.48	**−36.64**	349 16	......	....	.....	7 39 59.38	.....	+28 14	....
13	β Cancri................	8	12 24.45	− 0.36	**−36.65**	330 28	......	....	.....	8 11 47.44	.....	+ 9 27	....
14	30 Monocerotis...........	8	21 55.29	− 0.32	**−36.66**	317 24	......	....	.....	8 21 18.31	.....	− 3 37	....
15	76 Draconis s. p.	8	49 26.16	+ 5.52	−36.67	58 46	......	....	.....	20 48 55.01	.....	+82 12	....
16	Moon II, S.............	8	4 30.13	− 0.32	−36.72	329 6 6.40	45.840	− 0.20	− 36.2	11 3 53.09	−67.83	+ 8 4 46.9	....
	November 4, M.												
17	Sun I, N...............	8	37 23.09	− 0.31	−36.79	305 52 2.72	48.342	− 1.05	−1 20.6	14 36 45.99	+67.15	−15 9 5.0	....
18	Sun II, S...............	8	39 37.39	− 0.31	−36.79	305 20 2.50	47.742	− 1.05	−1 22.2	14 39 0.29	−67.15	−15 41 20.2	....
19	ω Piscium..............	7	55 28.12	− 0.43	**−36.98**	327 23 59.60	46.625	− 1.18	− 37.5	23 54 50.69	.....	+ 6 22 56.4	....
20	α Andromedæ...........	8	4 30.79	− 0.54	**−37.01**	349 38 1.45	44.840	− 1.18	− 10.7	0 3 53.25	.....	+28 36 43.6	....
21	γ Pegasi................	8	9 22.82	− 0.46	**−37.02**	335 43 56.72	44.030	− 1.18	− 26.5	0 8 45.36	.....	+14 42 4.9	....
22	β Ceti..................	8	39 51.42	− 0.42	**−36.96**	302 34 6.25	46.670	− 1.18	−1 31.7	0 39 13.99	.....	−18 27 51.4	....
	November 4, Ep.												
23	β Cancri................	8	12 25.18	− 0.36	**−37.35**	330 28 10.82	47.390	− 0.34	− 33.7	8 11 47.46	.....	+ 9 27 29.4	....
24	30 Monocerotis...........	8	21 56.03	− 0.34	**−37.35**	317 24 13.02	46.880	− 0.34	− 54.6	8 21 18.33	.....	− 3 37 1.3	....
25	ε Hydræ................	8	42 47.36	− 0.35	**−37.39**	327 46 12.90	45.015	− 0.34	− 37.5	8 42 9.64	.....	+ 6 44 33.2	....
26	ζ Hydræ................	8	51 24.87	− 0.35	**−37.39**	327 18 12.60	45.878	− 0.34	− 38.2	8 50 47.15	.....	+ 6 16 52.6	....
27	θ Hydræ................	8	10 27.33	− 0.34	**−37.40**	323 42 13.00	46.885	− 0.34	− 43.8	9 9 49.61	.....	+ 2 41 10.2	....
28	40 Lyncis................	8	16 22.79	− 0.51	−37.38	355 46 12.92	46.685	− 0.34	− 4.3	9 15 44.90	.....	+34 45 44.2	....
29	1 H. Draconis..........	8	25 28.42	− 4.14	−37.38	42 42 14.40	46.230	− 0.34	+ 55.3	9 24 46.90	.....	+81 42 36.0	....
30	Moon II...............	7	56 23.06	− 0.35	−37.44	322 24	......	....	.....	11 55 45.27	−66.81	.. ..	....
	November 5, Ep.												
31	Sun N.................	.	.. ..	.....	.....	305 34 9.78	47.092	− 0.74	−1 20.2	14 41	.....	−15 27 26.2	....
32	Sun S.................	.	.. ..	.....	.....	305 2 8.92	46.392	− 0.74	−1 21.8	.. ..	.....	−15 59 44.0	....
33	Mercury I, C..........	8	56 42.29	− 0.37	−37.49	298 26 8.20	45.338	+ 0.04	−1 44.9	15 56 4.43	+ 0.19	−22 36 32.1	....
34	θ Aquilæ................	8	7 25.89	− 0.39	**−37.51**	319 56 12.42	46.928	+ 0.41	− 47.9	20 6 47.96	.....	− 1 4 53.2	....
35	ε Delphini..............	8	29 40.41	− 0.41	**−37.52**	332 2 14.65	44.248	+ 0.41	− 30.3	20 29 2.45	.....	+11 0 25.0	....
36	α Delphini..............	8	36 12.89	− 0.42	**−37.54**	336 38 14.20	43.690	+ 0.41	− 24.7	20 35 34.92	.....	+15 36 17.9	....
37	ε Cygni................	8	43 18.50	− 0.51	−37.55	354 40 14.35	43.978	+ 0.41	− 5.3	20 42 40.44	.....	+33 38 43.8	....
38	ζ Cygni................	8	9 51.24	− 0.48	**−37.59**	350 52 15.62	48.135	+ 0.41	− 9.1	21 9 13.20	.....	+29 52 16.1	....
39	1 H. Draconis s. p.	8	25 20.54	+ 3.84	−37.57	59 16 16.12	46.525	+ 0.41	+1 36.6	9 24 46.81	.....	+81 42 34.3	....
40	ε Pegasi................	8	40 32.25	− 0.40	**−37.62**	330 30 13.68	44.725	+ 0.41	− 32.4	21 39 54.28	.....	+ 9 28 33.1	....
	November 7, P.												
41	ε Hydræ................	8	42 48.91	− 0.45	**−38.74**	327 46 8.48	45.060	+ 0.66	− 36.2	8 42 9.69	.....	+ 6 44 32.1	....
42	ζ Hydræ................	8	51 26.48	− 0.45	**−38.80**	327 18 8.88	45.892	+ 0.66	− 36.8	8 50 47.25	.....	+ 6 16 51.6	....
43	θ Hydræ................	8	10 28.91	− 0.44	**−38.79**	323 42 9.22	46.900	+ 0.48	− 42.2	9 9 49.69	.....	+ 2 41 9.2	....
44	40 Lyncis................	8	16 24.40	− 0.62	−38.79	355 46 13.20	46.575	+ 0.38	− 4.2	9 15 44.99	.....	+34 45 42.8	....
45	α Hydræ................	8	23 57.17	− 0.43	**−38.78**	312 44 11.00	48.480	+ 0.24	−1 2.1	9 23 17.95	.....	− 8 16 33.1	....
46	ε Leonis................	8	41 33.56	− 0.53	**−38.81**	345 12 11.15	44.292	− 0.06	− 15.2	9 40 54.24	.....	+24 10 38.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
2 7 18	29.932	35.3	33.1
8 23	29.952	34.0	32.0
8 54	......	....	32.1
9 12	29.962	32.8	32.0
10 11	29.988	34.0	32.1
3 11 5	30.236	33.5	32.9
4 14 40	30.234	50.0	50.1
23 55	30.158	47.5	46.2
0 40	30.152	47.7	46.2
8 12	30.112	40.9	39.7
8 43	30.116	40.3	39.0
9 10	30.112	40.1	38.2
9 25	30.115	39.8	38.0
5 14 44	30.130	56.0	56.2
15 57	30.116	60.2	60.1
20 7	30.076	59.9	59.0
20 36	30.076	59.0	58.0
21 10	......	....	57.4
21 41	30.077	57.0	57.0
7 8 40	29.572	50.0	48.0
9 13	......	....	47.8
9 28	......	....	47.0
9 43	29.588	48.8	47.0

Micrometer bisections are made at II, VI, except as noted below.

3. Bisections at $9^{r}.5$, $10^{r}.5$.
8, 16. Bisections at II, III, V, VI.
17, 31. Bisections at I, II.
18, 32. Bisections at VI, VII.
29, 39. Bisections at b_4, b_6.
33. Bisections at I, II, VI, VII.

Notes.
19–22. Clouds.
35. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
8	+24 11.6	+16 10.8	...	+40 22.4
16	+30 9.2	+16 9.9	...	+46 19.1
17	+ 7.2	−16 7.6	...	−16 0.4
18	+ 7.2	+16 7.6	...	+16 14.8
31	+ 7.2	−16 8.9	...	−16 1.7
32	+ 7.2	+16 8.9	...	+16 16.1
33	+ 6.1	.. ....	− 0.1	+ 6.0

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 8, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	8	53 22.31	− 0.49	−38.90	304 10 2.88	42.652	+ 1.39	−1 23.6	14 52 42.92	+67.79	−16 53 15.6	....
2	Sun II, N.	8	55 37.89	− 0.49	−38.90	304 42 1.75	43.535	+ 1.39	−1 21.9	14 54 58.50	−67.79	−16 20 54.5	....
3	ε Delphini	8	29 41.96	− 0.53	−38.99	332 2 9.58	44.392	+ 2.10	− 30.0	20 29 2.41	.....	+11 0 25.2	....
4	α Delphini	8	36 14.43	− 0.55	−38.99	336 38 6.68	43.935	+ 2.05	− 24.4	20 35 34.85	.....	+15 36 17.9	....
5	ε Cygni	8	43 20.12	− 0.68	−39.03	354 40 9.85	44.112	+ 2.02	− 5.2	20 42 40.41	.....	+33 38 44.1	....
6	β Aquarii	8	27 37.78	− 0.48	−39.07	315 4 10.88	46.100	+ 1.81	− 56.6	21 26 58.26	.....	− 5 57 21.0	....
7	ε Pegasi	8	40 33.81	− 0.52	−39.10	330 30 9.52	44.812	+ 1.74	− 32.1	21 39 54.24	.....	+ 9 28 32.6	....
8	α Aquarii	8	1 58.11	− 0.49	−39.07	320 16 10.02	47.662	+ 1.64	− 47.2	22 1 18.56	.....	− 0 44 36.9	....
	November 8, Ep.												
9	β Cancri	8	12 27.43	− 0.47	−39.36	330 28 13.50	47.175	+ 0.64	− 32.8	8 11 47.57	.....	+ 9 27 29.0	....
10	30 Monocerotis	8	21 58.34	− 0.44	−39.43	317 24 13.82	46.735	+ 0.64	− 53.2	8 21 18.51	.....	− 3 37 1.4	....
11	ε Hydræ	8	42 49.61	− 0.46	−39.40	327 46 15.22	44.780	+ 0.64	− 36.6	8 42 9.75	.....	+ 6 44 32.0	....
12	ζ Hydræ	8	51 27.11	− 0.46	−39.39	327 18 15.62	45.638	+ 0.64	− 37.3	8 50 47.25	.....	+ 6 16 52.0	....
13	θ Hydræ	8	10 29.57	− 0.45	−39.40	323 42 14.90	46.715	+ 0.64	− 42.7	9 9 49.71	.....	+ 2 41 10.3	....
14	40 Lyncis	8	16 25.13	− 0.61	−39.41	355 46 14.05	46.555	+ 0.64	− 4.2	9 15 45.11	.....	+34 45 43.4	....
15	1 H. Draconis	8	25 31.06	− 4.06	−39.41	42 42 15.22	46.152	+ 0.64	+ 54.0	9 24 47.59	.....	+81 42 34.8	....
	November 10, M.												
16	α Virginis	7	21 15.14	− 0.37	[−40.24]	310 20 13.02	44.055	− 0.62	−1 7.4	13 21	.....	−10 42 18.8	....
17	α Ursæ Minoris S. P.	8	28 52.38	+31.24	−40.35	52 10 13.12	42.280	− 0.62	+1 13.9	1 28 43.27	.....	+88 50 37.9	....
	November 11, M.												
18	Sun I, S.	8	5 30.40	− 0.37	−40.39	303 18 11.90	45.020	+ 0.47	−1 25.4	15 4 49.64	+68.02	−17 44 15.1	....
19	Sun II, N.	8	7 46.44	− 0.37	−40.39	303 50 9.12	45.942	+ 0.47	−1 23.6	15 7 5.68	−68.02	−17 11 54.5	....
20	Mercury I, C.	8	31 27.51	− 0.38	−40.42	296 38 8.42	45.338	+ 0.59	−1 50.5	16 30 46.71	+ 0.21	−24 24 34.7	....
21	ζ Cygni	8	9 54.01	− 0.50	−40.45	350 52 4.90	48.572	+ 1.20	− 9.0	21 9 13.00	.....	+29 52 16.2	....
22	1 H. Draconis S. P.	8	25 24.49	+ 4.12	−40.52	59 16 8.25	46.938	+ 1.20	+1 34.6	9 24 48.09	.....	+81 42 34.0	....
23	ε Pegasi	8	40 35.08	− 0.40	−40.53	330 30 6.22	44.960	+ 1.20	− 31.8	21 39 54.16	.....	+ 9 28 32.4	....
24	α Aquarii	8	1 59.44	− 0.37	−40.55	320 15 56.48	48.230	+ 1.20	− 46.7	22 1 18.54	.....	− 0 44 37.4	....
25	γ Aquarii	8	17 50.40	− 0.37	−40.59	319 12 6.20	45.265	+ 1.20	− 48.6	22 17 9.49	.....	− 1 49 37.0	....
26	ζ Pegasi	8	37 48.02	− 0.40	−40.59	331 24 6.88	45.168	+ 1.20	− 30.7	22 37 7.07	.....	+10 22 38.7	....
	November 11, P.												
27	ε Hydræ	8	42 51.11	− 0.44	−40.82	327 46 10.52	44.980	+ 0.59	− 36.3	8 42 9.84	.....	+ 6 44 32.1	....
28	ζ Hydræ	8	51 28.59	− 0.44	−40.79	327 18 8.88	45.898	+ 0.59	− 36.9	8 50 47.32	.....	+ 6 16 51.5	....
29	θ Hydræ	8	10 31.04	− 0.42	−40.81	323 42 8.75	46.915	+ 0.59	− 42.2	9 9 49.78	.....	+ 2 41 9.2	....
30	40 Lyncis	8	16 26.58	− 0.60	−40.84	355 46 9.05	46.758	+ 0.59	− 4.2	9 15 45.14	.....	+34 45 43.0	....
31	α Hydræ	8	23 59.36	− 0.40	−40.87	312 44 9.55	48.495	+ 0.59	−1 2.2	9 23 18.12	.....	− 8 16 33.9	....
32	ε Leonis	8	41 35.72	− 0.51	−40.85	345 12 8.60	44.328	+ 0.59	− 15.2	9 40 54.36	.....	+24 10 36.9	....
33	α Virginis	8	21 15.86	− 0.36	[−40.95]	310 20 12.75	43.890	+ 0.70	−1 5.5	13 20 34.59	.....	−10 42 19.7	....
34	α Ursæ Minoris S. P.	8	28 53.19	+31.20	−40.91	52 10 11.10	42.310	+ 0.70	+1 11.8	1 28 43.48	.....	+88 50 40.0	....
	November 12, P.												
35	Sun I, N.	8	9 34.98	− 0.37	−40.95	303 34 5.60	44.962	+ 2.39	−1 23.1	15 8 53.66	+68.15	−17 28 18.6	....
36	Sun II, S.	8	11 51.28	− 0.37	−40.95	303 2 5.98	44.145	+ 2.39	−1 24.8	15 11 9.96	−68.15	−18 0 38.4	....
37	ε Delphini	8	29 43.90	− 0.48	−41.04	332 2 9.78	44.328	+ 2.14	− 29.5	20 29 2.38	.....	+11 0 24.5	....
38	α Delphini	8	36 16.34	− 0.50	−41.01	336 38 9.28	43.778	+ 2.14	− 24.0	20 35 34.80	.....	+15 36 17.4	....
39	ε Cygni	8	43 21.97	− 0.62	−41.04	354 40 9.58	44.090	+ 2.14	− 5.1	20 42 40.31	.....	+33 38 43.5	....
40	ζ Cygni	8	9 54.69	− 0.59	−41.06	350 52 7.98	48.375	+ 2.14	− 8.9	21 9 13.05	.....	+29 52 15.8	....
41	β Aquarii	8	27 39.67	− 0.43	−41.06	315 4 8.98	46.120	+ 2.14	− 55.6	21 26 58.18	.....	− 5 57 21.1	....
42	ε Pegasi	8	40 35.69	− 0.47	−41.08	330 30 10.05	44.765	+ 2.14	− 31.6	21 39 54.16	.....	+ 9 28 32.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 14 56	29.640	54.7	53.7
20 27	29.594	56.0	55.5
20 45	......	....	54.9
21 29	29.590	54.7	53.8
22 4	29.590	53.9	52.9
8 12	29.684	46.8	45.5
8 43	29.680	46.0	44.0
9 10	......	....	42.9
9 26	29.683	44.3	42.5
10 13 21	29.888	56.2	54.4
11 15 8	29.862	61.0	63.0
16 31	29.850	65.5	67.2
21 10	29.852	63.8	64.2
21 41	......	....	63.2
22 38	29.848	62.3	61.2
8 40	29.796	51.1	49.8
8 54	......	....	50.9
9 8	......	....	51.0
9 26	......	....	50.0
9 43	29.803	50.6	51.2
13 19	......	....	68.0
13 33	29.874	65.0	69.0
12 15 12	29.854	68.9	71.3
20 27	29.804	68.5	68.3
20 45	......	....	67.1
21 13	......	....	65.9
21 30	......	....	65.5
21 42	29.800	65.0	65.5

Micrometer bisections are made at II, VI, except as noted below.

1, 18, 35.	Bisections at I, II.
2, 19, 36.	Bisections at VI, VII.
15, 22.	Bisections at b_4, b_6.
17, 34.	Bisections at $\overset{r}{9.5}$, $\overset{r}{10.5}$.
20.	Bisections at I, II, VI, VII.
40.	Bisections at II, VII.

Notes.

6, 27, 28.	Clouds.
9-11.	Conditions poor; fuzzy.
16, 17.	Unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.3	+16 10.5	...	+16 17.8
2	+ 7.3	−16 10.6	...	−16 3.3
18	+ 7.4	+16 10.3	...	+16 17.7
19	+ 7.4	−16 10.3	...	−16 2.9
20	+ 6.7	.. ....	− 0.1	+ 6.6
35	+ 7.4	−16 9.9	...	−16 2.5
36	+ 7.4	+16 9.9	...	+16 17.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Micròm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	November 15, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	8	21 53.24	− 0.42	−42.45	302 14 30.55	45.092	+ 2.31	−1 32.2	15 21 10.37	+68.57	−18 48 0.1	....
2	Sun II, N.	8	24 10.38	− 0.42	−42.45	302 46 13.52	46.782	+ 2.31	−1 30.3	15 23 27.51	−68.57	−18 15 36.5	....
3	α Delphini	8	36 17.86	− 0.53	**−42.54**	336 38 10.68	43.790	+ 1.61	− 25.3	20 35 34.79	.....	+15 36 17.3	....
4	ε Cygni	8	43 23.44	− 0.66	−42.54	354 40 11.70	44.015	+ 1.58	− 5.4	20 42 40.24	.....	+33 38 43.0	....
5	Moon I, S.	8	4 6.33	− 0.50	−42.55	298 38 10.00	44.746	+ 1.48	−1 47.1	21 3 23.28	+65.79	−22 24 44.0	....
6	ζ Cygni	8	9 56.14	− 0.62	**−42.53**	350 52 11.40	48.288	+ 1.46	− 9.4	21 9 12.97	.....	+29 52 16.1	....
7	β Aquarii	8	27 41.15	− 0.48	**−42.53**	315 4 10.92	46.210	+ 1.38	− 58.6	21 26 58.11	.....	− 5 57 20.9	....
8	α Aquarii	8	2 1.52	− 0.48	**−42.57**	320 16 10.78	47.715	+ 1.22	− 48.9	22 1 18.47	.....	− 0 44 37.1	....
9	γ Aquarii	8	17 52.51	− 0.48	**−42.64**	319 12 11.38	45.138	+ 1.14	− 50.8	22 17 9.45	.....	− 1 49 37.0	....
	November 15, Ep.												
10	α Virginis	8	21 17.98	− 0.38	**[−42.96]**	310 20 10.02	44.115	+ 1.83	−1 9.8	13 20 34.56	.....	−10 42 20.4	....
11	α Ursæ Minoris s. p.	7	28 46.71	+37.95	−43.04	52 10 9.02	42.138	+ 1.83	+1 16.5	1 28 41.62	.....	+88 50 40.2	....
	November 16, Ep.												
12	Sun I, S.	8	26 0.98	− 0.41	−43.08	302 0 7.12	43.220	+ 1.68	−1 34.0	15 25 17.49	+68.63	−19 3 8.3	....
13	Sun II, N.	8	28 18.24	− 0.41	−43.08	302 32 6.88	44.258	+ 1.68	−1 32.0	15 27 34.75	−68.63	−18 30 42.9	....
14	1 H. Draconis s. p.	8	25 26.76	+ 5.10	−43.24	59 16 9.80	46.650	+ 1.84	+1 39.3	9 24 48.62	.....	+81 42 33.5	....
15	Moon I, S.	8	52 13.34	− 0.39	−43.25	303 8 8.55	42.729	+ 1.84	−1 30.2	21 51 29.70	+63.92	−17 55 14.1	....
16	α Aquarii	8	2 2.08	− 0.38	**−43.24**	320 16 9.40	47.765	+ 1.84	− 49.0	22 1 18.45	.....	− 0 44 36.8	....
17	γ Aquarii	8	17 53.04	− 0.38	**−43.28**	319 12 7.90	45.315	+ 1.84	− 50.9	22 17 9.41	.....	− 1 49 35.8	....
18	ζ Pegasi	8	37 50.62	− 0.41	**−43.24**	331 24	....	.....	.....	22 37 6.95	.....	+10 22	....
19	η Pegasi	8	39 38.57	− 0.54	**−43.25**	350 46 7.70	47.975	+ 1.84	− 9.5	22 38 54.77	.....	+29 46 5.4	....
20	α Pegasi	8	1 8.96	− 0.43	**−43.28**	335 46 8.02	43.950	+ 1.84	− 26.5	23 0 25.26	.....	+14 44 17.2	....
21	γ Piscium	8	13 22.84	− 0.39	**−43.28**	323 50 8.15	45.030	+ 1.84	− 43.1	23 12 39.18	.....	+ 2 48 25.8	....
	November 17, P.												
22	Moon I.	8	38 2.66	− 0.39	−43.63	308 32	......	...	.....	22 37 18.64	+62.61	.. ..	....
23	α Pegasi	8	1 9.36	− 0.45	**−43.67**	335 46 8.90	43.940	+ 0.57	− 26.5	23 0 25.27	.....	+14 44 16.6	....
24	γ Piscium	8	13 23.19	− 0.40	**−43.63**	323 50 9.10	44.995	+ 0.57	− 43.1	23 12 39.14	.....	+ 2 48 24.6	....
25	ι Piscium	8	36 12.50	− 0.41	**−43.66**	326 10 10.08	47.182	+ 0.57	− 39.5	23 35 28.44	.....	+ 5 9 18.7	....
26	ω Piscium	8	55 34.65	− 0.41	**−43.63**	327 24 8.80	46.165	+ 0.57	− 37.8	23 54 50.58	.....	+ 6 22 56.6	....
27	α Andromedæ	8	4 37.34	− 0.54	**−43.66**	349 38 9.38	44.505	+ 0.57	− 10.8	0 3 53.14	.....	+28 36 45.5	....
28	γ Pegasi	8	9 29.38	− 0.44	**−43.67**	335 44 9.02	43.455	+ 0.57	− 26.7	0 8 45.27	.....	+14 42 5.6	....
29	ι Ceti	8	15 44.09	− 0.38	**−43.68**	311 44 9.50	43.930	+ 0.57	−1 6.3	0 15 0.04	.....	− 9 18 22.5	....
	November 18, M.												
30	ζ Pegasi	8	37 51.47	− 0.41	**−44.11**	331 24 6.70	45.260	+ 0.66	− 32.2	22 37 6.95	.....	+10 22 38.6	....
31	α Pegasi	8	1 9.85	− 0.43	**−44.19**	335 46 8.92	43.955	+ 0.66	− 26.6	23 0 25.30	.....	+14 44 16.9	....
32	γ Piscium	8	13 23.69	− 0.38	**−44.16**	323 50 7.58	45.080	+ 0.66	− 43.2	23 12 39.19	.....	+ 2 48 25.0	....
33	Moon I, S.	8	22 33.87	− 0.37	−44.13	313 58 0.22	46.025	+ 0.66	−1 1.2	23 21 49.37	+62.04	− 7 3 38.8	....
34	ι Piscium	8	36 12.94	− 0.39	**−44.13**	326 10 7.18	47.330	+ 0.66	− 39.6	23 35 28.42	.....	+ 5 9 19.2	....
35	ω Piscium	8	55 35.11	− 0.39	**−44.11**	327 24 6.78	46.250	+ 0.66	− 37.8	23 54 50.58	.....	+ 6 22 56.6	....
	November 18, Ep.												
36	θ Hydræ	8	10 34.92	− 0.39	**−44.49**	323 42 13.62	46.750	+ 0.10	− 44.2	9 9 50.01	.....	+ 2 41 7.8	....
37	40 Lyncis	8	16 30.57	− 0.63	−44.52	355 46 15.15	46.455	+ 0.10	− 4.4	9 15 45.42	.....	+34 45 41.5	....
38	α Hydræ	8	24 3.19	− 0.38	**−44.49**	312 44 15.82	48.322	+ 0.10	−1 5.0	9 23 18.29	.....	− 8 16 34.9	....
39	α Leonis	8	4 28.86	− 0.43	**−44.54**	333 24 14.52	47.635	+ 0.20	− 30.1	10 3 43.89	.....	+12 23 42.9	....
40	ζ Leonis	8	12 35.80	− 0.51	**−44.55**	344 52 15.48	45.482	+ 0.24	− 16.2	10 11 50.75	.....	+23 51 8.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 15 24	29.794	46.2	44.1
20 34	29.856	44.1	42.7
20 45	......	....	42.2
21 2	29.860	43.8	42.0
21 13	......	....	41.7
21 30	......	....	41.3
22 4	......	....	40.8
22 19	29.890	42.0	40.6
13 21	......	....	41.2
13 29	30.116	42.8	....
16 15 28	30.088	45.1	44.2
21 25	30.067	43.7	43.7
21 52	......	....	43.1
22 2	30.069	42.9	....
22 18	......	....	43.1
22 40	30.062	42.3	43.0
23 6	30.060	42.2	42.8
17 22 59	29.962	41.3	41.0
23 16	......	....	41.0
23 38	......	....	40.9
23 58	......	....	40.0
0 18	29.966	40.0	39.7
18 22 38	29.950	40.4	40.7
23 1	......	....	40.1
23 23	29.950	40.5	40.3
23 56	29.962	40.2	39.4
9 11	......	....	30.6
9 16	[illegible]	32.3	....
9 24	......	....	30.8
10 4	......	....	30.7
10 13	29.888	32.3	....

Micrometer bisections are made at II, VI, except as noted below.

1, 12. Bisections at I, II.
2, 13. Bisections at VI, VII.
5, 15. Bisections at II, III, V, VI.

11. Bisections at 9.5^r, 10.5^r.
14. Bisections at b_4, b_6.
25. Bisections at II, VII.
33. Bisections at III, IV, IV, V.

Notes.

11. Very poor.
23, 24. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.5	+16 11.8	...	+16 19.3
2	+ 7.4	−16 11.7	...	−16 4.3
5	+47 26.8	+14 48.4	...	+62 15.2
12	+ 7.5	+16 12.7	...	+16 20.2
13	+ 7.5	−16 12.7	...	−16 5.2
15	+45 15.3	+14 48.4	...	+60 3.7
33	+39 14.0	+14 57.6	...	+54 11.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ρ Leonis	8	28 58.13	− 0.42	**−44.51**	330 46 16.15	46.985	+ 0.31	− 33.6	10 28 13.17	.....	+ 9 45 25.6	....
2	α Virginis	8	21 19.57	− 0.30	[**−44.56**]	310 20 12.10	44.102	+ 1.10	−1 9.5	13 20 34.67	.....	−10 42 19.0	....
3	α Ursæ Minoris S. P.	8	28 42.39	+41.07	−44.60	52 10 11.92	42.015	+ 1.13	+1 16.2	1 28 38.86	.....	+88 50 41.1	....
	November 19, Ep.												
4	Sun I, N	8	38 29.02	− 0.28	−44.65	301 48 5.68	46.090	+ 0.48	−1 32.9	15 37 44.09	+68.99	−19 14 3.9	....
5	Sun II, S	8	40 47.00	− 0.28	−44.65	301 16 6.40	45.110	+ 0.48	−1 34.8	15 40 2.07	−68.99	−19 46 27.1	....
6	Mercury I, C	8	12 45.98	− 0.31	−44.68	295 30 7.72	43.779	+ 0.87	−1 59.1	17 12 0.99	+ 0.24	−25 33 20.9	....
7	α Pegasi	8	1 10.42	− 0.41	**−44.79**	335 46 7.70	43.948	+ 1.02	− 25.9	23 0 25.21	.....	+14 44 16.6	....
8	γ Piscium	8	13 24.29	− 0.36	**−44.79**	323 50 8.00	44.998	+ 1.02	− 42.1	23 12 39.13	.....	+ 2 48 25.0	....
9	ω Piscium	8	55 35.77	− 0.37	**−44.80**	327 24 6.22	46.198	+ 1.02	− 36.9	23 54 50.58	.....	+ 6 22 56.1	....
10	Moon I, S	8	6 54.46	− 0.36	−44.82	320 0 7.18	43.284	+ 1.02	− 48.4	0 6 9.28	+62.29	− 1 2 21.4	....
11	ι Ceti	7	15 45.20	− 0.34	**−44.84**	311 44 7.62	43.888	+ 1.02	−1 4.6	0 15 0.03	.....	− 9 18 23.2	....
12	β Ceti	8	39 59.17	− 0.34	**−44.87**	302 34 7.85	46.345	+ 1.02	−1 30.1	0 39 14.00	.....	−18 27 53.5	....
13	β Andromedæ	8	5 36.87	− 0.58	−44.84	356 10 7.38	46.870	+ 1.02	− 3.8	1 4 51.45	.....	+35 9 45.0	....
14	δ Ceti	8	35 47.18	− 0.35	**−44.86**	321 0 9.65	42.312	+ 1.02	− 46.8	2 35 1.95	.....	− 0 2 39.9	....
15	α Ceti	8	58 29.73	− 0.36	**−44.89**	324 46 8.92	46.680	+ 1.02	− 40.7	2 57 44.49	.....	+ 3 45 5.4	....
16	ο Tauri	8	20 53.77	− 0.38	**−44.95**	329 46 10.20	42.290	+ 1.02	− 33.7	3 20 8.50	.....	+ 8 43 33.5	....
17	η Tauri	8	43 4.60	− 0.46	**−44.93**	344 52 8.82	43.712	+ 1.02	− 15.6	3 42 19.24	.....	+23 50 23.1	....
18	Saturn I, C	6	57 31.58	− 0.42	−44.91	339 12 9.42	48.246	+ 1.02	− 22.0	3 56 46.25	+ 0.71	+18 10 24.7	....
19	Saturn II	6	57 33.01	− 0.42	−44.91	... .	......	....	. ....	3 56 47.68	− 0.72	.. ..	....
	November 19, P.												
20	4 B. Ursæ Minoris	8	13 42.01	−37.48	−44.89	49 54 9.02	43.265	+ 0.73	+1 9.3	8 12 19.64	.....	+88 53 37.5	....
21	30 Monocerotis	8	22 4.11	− 0.37	**−44.92**	317 24 8.80	46.815	+ 0.73	− 53.4	8 21 18.85	.....	− 3 37 4.7	....
22	ε Hydræ	8	42 55.40	− 0.40	**−44.88**	327 46 8.55	45.002	+ 0.73	− 36.7	8 42 10.10	.....	+ 6. 44 30.4	....
23	ζ Hydræ	8	51 32.93	− 0.40	**−44.90**	327 18 8.90	45.792	+ 0.73	− 37.4	8 50 47.63	.....	+ 6 16 48.8	....
24	θ Hydræ	7	10 35.31	− 0.39	**−44.85**	323 42 9.65	46.820	+ 0.73	− 42.8	9 9 50.01	.....	+ 2 41 7.4	....
25	40 Lyncis	8	16 30.95	− 0.60	−44.91	355 46 8.90	46.680	+ 0.73	− 4.2	9 15 45.44	.....	+34 45 41.2	....
26	α Hydræ	8	24 3.59	− 0.37	**−44.87**	312 44 9.02	48.478	+ 0.73	−1 2.9	9 23 18.31	.....	− 8 16 35.4	....
	November 20, P.												
27	Sun I, N	8	42 40.13	− 0.26	−45.05	301 34 11.15	46.430	+ 0.87	−1 31.8	15 41 54.82	+69.14	−19 27 49.5	....
28	Sun II, S	8	44 58.40	− 0.26	−45.05	301 2 11.92	45.435	+ 0.87	−1 33.8	15 44 13.09	−69.13	−20 0 12.4	....
29	Moon I, S	8	52 17.39	− 0.42	−45.26	326 10 9.02	44.758	+ 1.54	− 38.6	0 51 31.71	+63.42	+ 5 8 24.1	....
30	β Andromedæ	8	5 37.29	− 0.60	−45.26	356 10 9.60	46.750	+ 1.54	− 3.8	1 4 51.43	.....	+35 9 45.0	....
31	θ Ceti	8	20 26.68	− 0.38	**−45.27**	312 24 9.62	44.990	+ 1.54	−1 3.2	1 19 41.03	.....	− 8 37 53.9	....
32	α Ursæ Minoris	8	29 55.11	−32.87	−45.27	49 50 9.88	46.050	+ 1.54	+1 8.7	1 28 36.97	.....	+88 50 42.3	....
33	α Arietis	8	3 2.07	− 0.49	**−45.24**	344 4 9.60	46.012	+ 1.54	− 16.5	2 2 16.30	.....	+23 3 14.9	....
34	δ Ceti	8	35 47.64	− 0.39	**−45.27**	321 0 11.30	42.242	+ 1.54	− 46.9	2 35 1.96	.....	− 0 2 39.4	....
35	α Ceti	8	58 30.16	− 0.40	**−45.27**	324 46 11.50	46.548	+ 1.54	− 40.9	2 57 44.46	.....	+ 3 45 5.2	....
36	ο Tauri	8	20 54.09	− 0.42	**−45.22**	329 46 13.62	42.148	+ 1.54	− 33.8	3 20 8.36	.....	+ 8 43 34.1	....
37	η Tauri	8	43 5.04	− 0.50	**−45.32**	344 52 13.25	43.490	+ 1.54	− 15.7	3 42 19.22	.....	+23 50 22.9	....
38	Saturn I, C	6	57 11.79	− 0.46	−45.32	339 10 15.08	50.736	+ 1.54	− 22.1	3 56 26.01	+ 0.79	+18 9 27.6	....
39	Saturn II	6	57 13.38	− 0.46	−45.32	... .	......	....	. ....	3 56 27.60	− 0.80	.. ..	....
	November 20, M.												
40	ζ Hydræ	8	51 33.48	− 0.43	**−45.39**	327 18 12.02	45.720	+ 1.10	− 37.7	8 50 47.69	.....	+ 6 16 50.3	....
41	θ Hydræ	8	10 35.95	− 0.42	**−45.42**	323 42 11.55	46.778	+ 1.10	− 43.3	9 9 50.16	.....	+ 2 41 8.2	....
42	40 Lyncis	8	16 31.47	− 0.60	−45.37	355 46 11.98	46.552	+ 1.10	− 4.3	9 15 45.50	.....	+34 45 41.6	....
43	1 H. Draconis	8	25 40.03	− 4.45	−45.37	42 42 14.22	46.120	+ 1.10	+ 54.5	9 24 50.21	.....	+81 42 34.0	....
44	ε Leonis	8	41 40.62	− 0.51	**−45.42**	345 12 11.52	44.110	+ 1.10	− 15.4	9 40 54.73	.....	+24 10 35.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 10 29	29.883	32.0	30.5
13 21	29.871	39.4	39.1
19 15 41	29.820	48.0	49.0
17 13	29.783	53.8	54.0
23 1	29.736	49.9	49.0
23 56	29.732	49.3	48.1
0 16	29.730	49.1	48.0
0 40	......	....	47.8
1 6	29.725	48.4	47.2
2 36	29.723	47.3	47.4
2 58	......	....	47.8
3 15	29.720	47.4	47.4
3 48	29.720	46.7	45.8
8 10	29.724	45.0	43.8
8 25	......	....	44.0
8 41	......	....	44.0
8 54	......	....	43.6
9 13	......	....	43.2
9 26	29.740	44.3	43.7
20 15 45	29.846	55.8	59.4
0 50	29.874	51.1	50.5
1 19	......	....	50.0
1 34	29.874	51.0	49.8
2 5	......	....	49.0
2 38	......	....	48.1
3 1	[illegible]	49.0	48.0
3 23	......	....	47.3
3 45	......	....	47.2
3 59	29.874	48.2	47.1
8 52	29.898	43.3	42.3
9 17	......	....	40.0
9 41	......	....	43.8

Micrometer bisections are made at II, VI, except as noted below.

3, 20, 32.	Bisections at 9.5, 10.5.
4, 27.	Bisections at I, II.
5, 28.	Bisections at VI, VII.
6, 18, 38.	Bisections at I, II, VI, VII.
10, 29.	Bisections at II, III, V, VI.
18, 38.	Z. D. threads C used.
43.	Bisections at b_4, b_6.

Note.

7-17. Clouds; conditions poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 7.5	−16 11.6	...	−16 4.1
5	+ 7.6	+16 11.5	...	+16 19.1
6	+ 7.8	.. ....	− 0.2	+ 7.6
10	+35 21.0	+15 6.2	...	+50 27.2
18	+ 0.4	.. ....	...	+ 0.4
27	+ 7.6	−16 11.5	...	−16 3.9
28	+ 7.6	+16 11.4	...	+16 19.0
29	+30 55.9	+15 16.8	...	+46 12.7
38	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Leonis	8	4 29.83	− 0.44	**−45.43**	333 24 8.22	47.800	+ 1.10	− 29.3	10 3 44.00	.....	+12 23 42.1	....
2	ζ Leonis	8	12 36.72	− 0.50	**−45.40**	344 52 11.60	45.570	+ 1.10	− 15.8	10 11 50.83	.....	+23 51 8.3	....
3	α Virginis	8	21 20.58	− 0.36	[**−45.45**]	310 20 12.40	44.031	+ 1.10	−1 8.5	13 20 34.76	.....	−10 42 19.4	....
4	α Ursæ Minoris S. P.	7	28 49.29	+35.07	−45.46	52 10 12.05	42.000	+ 1.10	+1 15.2	1 28 38.90	.....	+88 50 42.2	....
	November 21, M.												
5	Sun I, N	8	46 51.95	− 0.32	−45.51	301 22 9.32	42.915	+ 1.33	−1 32.7	15 46 6.12	+69.18	−19 41 11.7	....
6	Sun II, S	8	49 10.31	− 0.32	−45.51	300 50 9.32	41.892	+ 1.33	−1 34.6	15 48 24.48	−69.18	−20 13 36.3	....
7	Mercury I, C	8	21 6.68	− 0.36	−45.54	295 28 5.52	43.308	+ 1.77	−1 57.1	17 20 20.78	+ 0.25	−25 35 30.7	....
8	θ Ceti	8	20 27.19	− 0.43	**−45.73**	312 24 6.48	45.075	+ 2.40	−1 2.6	1 19 41.05	.....	− 8 37 53.6	....
9	α Ursæ Minoris	8	29 54.05	−30.21	−45.72	49 50 10.35	45.998	+ 2.40	+1 8.1	1 28 38.12	.....	+88 50 41.9	....
10	Moon I, S	8	40 1.26	− 0.48	−45.72	332 16 10.50	46.248	+ 2.40	− 30.1	1 39 15.06	+65.46	+11 15 9.0	....
11	β Arietis	8	50 36.51	− 0.50	**−45.76**	341 24 7.10	45.855	+ 2.40	− 19.3	1 49 50.28	.....	+20 23 7.9	....
12	α Arietis	8	3 2.62	− 0.52	**−45.76**	344 4 8.05	46.038	+ 2.40	− 16.4	2 2 16.37	.....	+23 3 15.0	....
13	α Ceti	8	58 30.66	− 0.44	**−45.73**	324 46 5.15	46.785	+ 2.40	− 40.5	2 57 44.47	.....	+ 3 45 5.6	....
14	ο Tauri	8	20 54.64	− 0.46	**−45.72**	329 46 10.50	42.220	+ 2.40	− 33.5	3 20 8.42	.....	+ 8 43 33.8	....
15	η Tauri	8	43 5.50	− 0.52	**−45.74**	344 52 9.40	43.650	+ 2.40	− 15.5	3 42 19.21	.....	+23 50 23.8	....
16	Saturn I, C	6	56 52.07	− 0.49	−45.77	339 10 9.00	48.468	+ 2.40	− 21.9	3 56 5.81	+ 0.71	+18 8 30.8	....
17	Saturn II	6	56 53.48	− 0.49	−45.77	... .	......	....	. ....	3 56 7.22	− 0.70	.. ..	....
	November 22, P.												
18	Sun I, N	8	51 4.65	− 0.37	−46.09	301 8 9.15	45.455	+ 1.88	−1 33.7	15 50 18.19	+69.35	−19 54 13.8	....
19	Sun II, S	6	53 23.36	− 0.37	−46.09	300 36 11.60	44.385	+ 1.88	−1 35.7	15 52 36.90	−69.36	−20 26 37.8	....
20	ζ Pegasi	8	37 53.53	− 0.43	**−46.21**	331 24 9.95	44.945	+ 2.52	− 30.9	22 37 6.86	.....	+10 22 37.8	....
21	η Pegasi	7	39 41.42	− 0.54	**−46.19**	350 46 7.92	47.877	+ 2.52	− 9.2	22 38 54.64	.....	+29 46 4.2	....
22	α Pegasi	8	1 11.89	− 0.45	**−46.26**	335 46 11.32	43.705	+ 2.52	− 25.6	23 0 25.19	.....	+14 44 16.5	....
23	ι Piscium	8	36 15.04	− 0.42	**−46.23**	326 10 9.58	47.048	+ 2.52	− 38.1	23 35 28.36	.....	+ 5 9 18.5	....
24	ω Piscium	8	55 37.25	− 0.42	**−46.25**	327 24 7.10	46.090	+ 2.52	− 36.4	23 54 50.56	.....	+ 6 22 56.5	....
25	θ Ceti	8	20 27.78	− 0.40	**−46.35**	312 24 8.38	44.942	+ 2.45	−1 2.0	1 19 41.08	.....	− 8 37 54.1	....
26	α Ursæ Minoris	8	29 55.99	−31.23	−46.30	49 50 8.52	46.128	+ 2.42	+1 7.6	1 28 38.46	.....	+88 50 42.6	....
27	Moon I, S	8	31 24.22	− 0.47	−46.32	338 2 7.72	42.778	+ 2.24	− 23.0	2 30 37.43	+68.27	+16 59 54.0	....
28	α Ceti	8	58 31.23	− 0.41	**−46.32**	324 46 9.55	46.578	+ 2.15	− 40.3	2 57 44.49	.....	+ 3 45 5.2	....
29	ο Tauri	8	20 55.24	− 0.43	**−46.35**	329 46 10.15	42.222	+ 2.08	− 33.3	3 20 8.47	.....	+ 8 43 33.3	....
30	η Tauri	8	43 6.14	− 0.50	**−46.39**	344 52 9.22	43.638	+ 2.02	− 15.5	3 42 19.29	.....	+23 50 22.9	....
31	Saturn I, C	6	56 32.37	− 0.46	−46.35	339 10 10.32	45.949	+ 1.98	− 21.8	3 55 45.56	+ 0.80	+18 7 34.2	....
32	Saturn II	6	56 33.98	− 0.46	−46.35	... .	......	....	. ....	3 55 47.17	− 0.81	.. ..	....
	November 22, Ep.												
33	α Hydræ	8	24 5.49	− 0.43	**−46.61**	312 44 12.18	48.252	+ 1.52	−1 2.4	9 23 18.48	.....	− 8 16 36.1	....
34	ε Leonis	8	41 41.88	− 0.54	**−46.58**	345 12 11.20	44.082	+ 1.52	− 15.2	9 40 54.75	.....	+24 10 34.8	....
35	α Leonis	8	4 31.12	− 0.47	**−46.62**	333 24 10.70	47.638	+ 1.52	− 28.9	10 3 44.05	.....	+12 23 41.7	....
36	ζ Leonis	8	12 38.02	− 0.54	**−46.59**	344 52 11.02	45.568	+ 1.52	− 15.6	10 11 50.88	.....	+23 51 8.3	....
37	ρ Leonis	8	29 0.38	− 0.46	**−46.59**	330 46 12.38	46.995	+ 1.52	− 32.3	10 28 13.32	.....	+ 9 45 24.6	....
38	ν Hydræ	8	46 6.06	− 0.43	−46.61	305 18 12.45	45.378	+ 1.52	−1 21.5	10 45 19.02	.....	−15 44 0.9	....
39	α Virginis	8	21 21.83	− 0.43	[**−46.58**]	310 20 12.58	43.965	+ 1.52	−1 7.9	13 20 34.73	.....	−10 42 19.7	....
40	α Ursæ Minoris S. P.	8	28 50.46	+33.16	−46.67	52 10 12.02	42.030	+ 1.52	+1 14.5	1 28 36.95	.....	+88 50 42.0	....
	November 23, Ep.												
41	Sun I, N	8	55 18.18	− 0.43	−46.73	300 56 7.32	43.972	+ 1.53	−1 34.7	15 54 31.02	+69.37	−20 6 51.4	....
42	Sun II, S	8	57 36.92	− 0.43	−46.73	300 24 7.90	42.898	+ 1.53	−1 36.7	15 56 49.76	−69.37	−20 39 16.7	....
43	Mercury I, C	8,	28 7.89	− 0.44	−46.76	295 32 9.70	43.741	+ 1.72	−1 57.8	17 27 20.69	+ 0.27	−25 31 17.6	....
44	β Andromedæ	8	5 39.01	− 0.63	.....	356 10 12.70	46.658	+ 1.32	− 3.8	1 5	.....	+35 9 45.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
20 10 13	29.910	43.7	43.4
13 21	29.960	48.8	47.4
21 15 49	29.946	58.0	60.8
17 21	29.920	66.5	65.1
1 20	29.860	55.3	54.2
1 40	......	....	53.4
2 3	......	....	52.4
2 34	29.854	53.5	....
2 58	......	....	52.5
3 21	......	....	51.7
3 55	29.828	50.8	50.8
22 15 53	29.753	55.2	56.1
22 36	29.712	57.0	55.4
23 3	......	....	55.0
23 39	29.720	55.0	54.0
23 57	29.716	54.2	53.5
1 18	29.716	54.9	56.2
1 35	......	....	54.8
2 34	29.712	53.0	52.9
3 1	......	....	53.0
3 23	29.712	52.5	52.3
3 45	......	....	51.5
3 58	29.712	51.5	51.0
9 24	29.682	47.3	46.9
9 42	......	....	46.9
10 5	29.686	46.5	46.3
10 29	......	....	46.1
10 46	29.688	45.7	45.9
13 21	......	....	47.0
13 29	29.682	48.6	....
23 15 58	29.616	53.3	53.0
17 28	29.564	55.7	55.1
1 6	29.469	47.8	46.9

Micrometer bisections are made at II, VI, except as noted below.

3, 7, 16, 31, 43. Bisections at I, II, VI, VII.
4, 9, 26, 40. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
5, 18, 41. Bisections at I, II.
6, 19, 42. Bisections at VI, VII.
10, 27. Bisections at II, III, V, VI.
16, 31. Z. D. threads C used.
21. Bisection at VII.

Notes.

8–10. Thin haze; poor images.
13–15, 20, 21. Clouds.
44. Thick haze.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 7.6	−16 12.3	...	−16 4.7
6	+ 7.6	+16 12.3	...	+16 19.9
7	+ 8.2	.. ....	− 0.2	+ 8.0
10	+26 7.9	+15 28.7	...	+41 36.6
16	+ 0.4	.. ....	...	+ 0.4
18	+ 7.6	−16 12.0	...	−16 4.4
19	+ 7.6	+16 12.0	...	+16 19.6
27	+21 14.8	+15 41.0	...	+36 55.8
31	+ 0.4	.. ....	...	+ 0.4
41	+ 7.6	−16 12.6	...	−16 5.0
42	+ 7.7	+16 12.6	...	+16 20.3
43	+ 8.5	.. ....	− 0.2	+ 8.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Ceti	8	20 28.41	− 0.43	**−46.96**	312 24 11.85	44.902	+ 1.32	−1 2.7	1 20	.....	− 8 37 53.4	....
2	α Ursæ Minoris	8	29 55.73	−32.71	−46.95	49 50 13.45	45.965	+ 1.32	+1 8.2	1 28 36.07	.....	+88 50 43.2	....
3	β Arietis	8	50 37.69	− 0.51	**−46.93**	341 24 12.40	45.682	+ 1.32	− 19.3	1 50	.....	+20 23 8.2	....
4	α Arietis	8	3 3.84	− 0.53	**−46.97**	344 4 15.15	45.790	+ 1.32	− 16.4	2 2	.....	+23 3 15.3	....
	November 24, M.												
5	Saturn I, C	6	55 52.88	− 0.54	−47.30	339 8 13.05	46.208	+ 0.87	− 22.5	3 55 5.04	+ 0.72	+18 5 41.6	....
6	Saturn II	6	55 54.33	− 0.54	−47.30	... .	......	....	. ....	3 55 6.49	− 0.73	.. ..	....
7	ν Tauri	8	59 20.12	− 0.47	**−47.26**	326 46 12.28	46.422	+ 0.87	− 38.7	3 58 32.35	.....	+ 5 45 5.0	....
8	δ Tauri	8	18 43.49	− 0.52	**−47.31**	338 22 12.85	44.280	+ 0.87	− 23.4	4 17 55.66	.....	+17 20 31.7	....
9	ε Tauri	8	24 20.64	− 0.52	**−47.32**	340 0 12.70	46.680	+ 0.87	− 21.5	4 23 32.81	.....	+18 59 28.4	....
10	Moon II, N	8	31 23.41	− 0.60	−47.31	347 16 10.72	49.180	+ 0.87	− 13.3	4 30 35.50	−74.70	+26 16 31.4	....
11	ι Aurigæ	8	52 8.28	− 0.64	−47.32	354 2 11.28	47.220	+ 0.87	− 6.1	4 51 20.32	.....	+33 1 54.9	....
12	β Orionis	8	11 9.99	− 0.39	**−47.36**	312 44 11.95	45.015	+ 0.87	−1 3.8	5 10 22.27	.....	− 8 17 52.4	....
13	β Tauri	8	21 36.17	− 0.58	**−47.34**	349 34 10.65	43.088	+ 0.87	− 10.8	5 20 48.26	.....	+28 32 14.6	....
14	α Virginis	8	21 22.69	− 0.35	[−**47.47**]	310 20 10.95	44.138	+ 0.14	−1 8.8	13 20 34.84	.....	−10 42 19.7	....
15	α Ursæ Minoris s. p.	8	28 46.96	+38.36	−47.50	52 10 14.20	41.885	+ 0.14	+1 15.5	1 28 37.82	.....	+88 50 43.5	....
	November 25, M.												
16	Sun I, S	8	3 47.03	− 0.32	−47.56	300 0 15.32	42.355	+ 0.05	−1 40.2	16 2 59.15	+69.61	−21 3 27.3	....
17	Sun II, N	8	6 6.26	− 0.32	−47.56	300 32 12.70	43.485	+ 0.05	−1 38.1	16 5 18.38	−69.62	−20 31 1.2	....
18	ω Piscium	8	55 38.68	− 0.40	**−47.73**	327 24 9.98	46.145	+ 0.05	− 37.7	23 54 50.55	.....	+ 6 22 57.0	....
19	α Andromedæ	8	4 41.32	− 0.54	**−47.72**	349 38 10.20	44.495	+ 0.03	− 10.8	0 3 53.05	.....	+28 36 45.6	....
20	γ Pegasi	7	9 33.36	− 0.44	**−47.72**	335 44 11.32	43.362	+ 0.03	− 26.6	0 8 45.19	.....	+14 42 5.4	....
21	ι Ceti	8	15 48.08	− 0.36	**−47.75**	311 44 11.58	43.830	+ 0.03	−1 6.1	0 14 59.99	.....	− 9 18 23.1	....
22	β Andromedæ	8	5 39.82	− 0.61	−47.75	356 10 13.00	46.730	+ 0.03	− 3.9	1 4 51.46	.....	+35 9 46.3	....
23	θ Ceti	8	20 29.12	− 0.36	**−47.74**	312 24 11.78	45.025	+ 0.03	−1 4.7	1 19 41.00	.....	− 8 37 53.9	....
24	α Ursæ Minoris	8	30 3.16	−37.23	−47.76	49 50 13.18	45.975	+ 0.03	+1 10.3	1 28 38.17	.....	+88 50 44.0	....
	November 25, P.												
25	Moon II, N	8	37 14.56	− 0.56	−47.92	349 20 10.85	43.589	+ 0.08	− 11.1	5 36 26.08	−76.83	+28 18 24.9	....
26	α Orionis	8	51 16.69	− 0.39	**−47.89**	328 26 11.15	42.748	+ 0.08	− 36.4	5 50 28.38	.....	+ 7 23 40.7	....
27	μ Geminorum	8	18 30.96	− 0.49	**−47.94**	343 34 11.95	47.185	+ 0.08	− 17.5	6 17 42.54	.....	+22 33 41.4	....
28	γ Geminorum	8	33 30.18	− 0.44	**−47.93**	337 30 13.90	44.602	+ 0.08	− 24.6	6 32 41.80	.....	+16 28 37.8	....
29	ε Geminorum	8	39 23.94	− 0.51	**−47.96**	346 14 10.52	45.855	+ 0.08	− 14.5	6 38 35.49	.....	+25 13 13.7	....
30	ξ Geminorum	8	41 13.39	− 0.42	**−47.95**	334 0 12.65	47.310	+ 0.08	− 28.9	6 40 25.03	.....	+12 59 34.4	....
31	ζ Geminorum	8	59 46.02	− 0.47	**−47.98**	341 44 12.60	42.940	+ 0.08	− 19.6	6 58 57.61	.....	+20 42 3.9	....
32	α Virginis	8	21 23.24	− 0.30	[−**48.04**	310 20 12.55	44.090	+ 0.26	−1 9.9	13 20 34.85	.....	−10 42 20.1	....
33	α Ursæ Minoris s. p.	8	28 45.41	+38.74	−48.09	52 10 11.30	41.955	+ 0.26	+1 16.5	1 28 36.06	.....	+88 50 43.5	....
	November 26, P.												
34	Sun I, S	8	8 2.79	− 0.30	−48.15	299 48 4.95	44.158	− 0.08	−1 41.6	16 7 14.34	+69.84	−21 14 57.9	....
35	Sun II, N	8	10 22.48	− 0.30	−48.15	300 20 6.12	45.130	− 0.08	−1 39.4	16 9 34.03	−69.85	−20 42 31.6	....
36	ζ Cygni	8	10 1.58	− 0.53	**−48.24**	350 52 9.18	48.435	− 0.57	− 9.3	21 9 12.79	.....	+29 52 15.3	....
37	β Aquarii	8	27 46.65	− 0.33	**−48.30**	315 4 9.45	46.308	− 0.57	− 58.4	21 26 58.05	.....	− 5 57 21.9	....
38	ε Pegasi	8	40 42.59	− 0.38	**−48.24**	330 30 10.35	44.912	− 0.57	− 33.1	21 39 53.94	.....	+ 9 28 32.4	....
39	α Aquarii	8	2 6.98	− 0.34	**−48.30**	320 16 9.78	47.785	− 0.57	− 48.7	22 1 18.36	.....	− 0 44 38.1	....
40	γ Aquarii	8	17 57.94	− 0.34	**−48.33**	319 12 11.25	45.202	− 0.57	− 50.7	22 17 9.31	.....	− 1 49 37.3	....
41	ζ Pegasi	8	37 55.52	− 0.38	**−48.29**	331 24 11.95	45.062	− 0.57	− 32.0	22 37 6.85	.....	+10 22 38.2	....
	November 26, Ep.												
42	Moon N	.	.. ..	.....	.....	349 16 9.40	49.710	− 0.67	− 11.3	.. ..	.....	+28 16 41.3	....
43	Moon II, S	8	45 7.61	− 0.59	−48.58	348 44 8.70	47.110	− 0.67	− 11.9	6 44 18.44	−77.19	+27 43 42.6	....
44	λ Geminorum	8	13 55.24	− 0.48	**−48.57**	337 44 9.80	43.225	− 0.34	− 24.5	7 13 6.17	.....	+16 42 2.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
23 1 30	29.463	47.3	46.3
1 51	. ....	....	46.0
2 3	29.449	46.8	....
24 3 56	29.490	33.9	33.3
4 19	......	....	32.8
4 31	......	....	33.2
4 52	29.490	33.8	33.3
5 22	29.498	33.8	33.2
13 21	29.604	39.8	39.2
25 16 6	29.636	44.5	43.9
23 56	29.802	39.2	38.5
0 16	......	....	38.0
1 6	......	....	37.8
1 30	29.814	37.8	37.8
5 38	29.812	37.0	36.9
5 53	......	....	36.2
6 21	......	....	35.8
6 44	......	....	35.2
7 1	29.806	36.2	35.8
13 19	... ..	....	35.9
13 34	29.844	38.0	37.0
26 16 10	29.796	43.8	43.4
21 8	29.758	43.5	42.0
21 30	......	....	41.0
21 43	......	....	41.0
22 4	29.704	42.0	40.1
22 40	29.768	41.0	39.7
6 44	29.852	34.0	33.1
7 13	29.852	34.0	32.9

Micrometer bisections are made at II, VI, except as noted below.

2, 15, 24, 33. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
5. Bisections at I, II, VI, VII.
5. Z. D. threads C used.
10, 25. Bisections at II, III, V, VI.
16, 34, 42. Bisections at I, II.
17, 35, 43. Bisections at VI, VII.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 0.4	.. ....	...	+ 0.4
10	+12 39.6	−16 2.5	...	− 3 22.9
16	+ 7.7	+16 13.0	...	+16 20.7
17	+ 7.6	−16 13.0	...	−16 5.4
25	+10 42.2	−16 10.1	...	− 5 27.9
34	+ 7.7	+16 13.2	...	+16 20.9
35	+ 7.7	−16 13.1	...	−16 5.4
42	+10 47.0	−16 12.8	...	− 5 25.8
43	+11 20.6	+16 12.8	− 0.5	+27 32.9

Notes.

1-4. Thick haze.
15. Unsteady; clouds.

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ι Geminorum	8	21 9.23	− 0.57	**−48.57**	349 0 10.05	43.675	− 0.34	− 11.6	7 20 20.07	.....	+27 58 24.9	....
2	β Canis Minoris	8	23 15.51	− 0.43	**−48.61**	329 30 9.48	43.898	− 0.34	− 35.2	7 22 26.49	.....	+ 8 28 6.5	....
3	β Geminorum	8	40 49.38	− 0.58	**−48.60**	349 16 9.50	43.435	− 0.34	− 11.3	7 40 0.20	.....	+28 14 19.4	....
4	β Cancri	8	12 37.19	− 0.43	**−48.58**	330 28 8.88	47.335	− 0.34	− 33.9	8 11 48.15	.....	+ 9 27 26.0	....
5	30 Monocerotis	8	22 8.04	− 0.38	**−48.63**	317 24 8.65	46.960	− 0.34	− 55.0	8 21 19.05	.....	− 3 37 4.2	....
	November 27, Ep.												
6	Sun I, S.	8	12 19.35	− 0.32	−48.78	299 36 4.78	46.582	− 0.16	−1 42.4	16 11 30.25	+69.81	−21 26 4.1	....
7	Sun II, N.	8	14 38.98	− 0.32	−48.78	300 8 6.32	47.502	− 0.16	−1 40.2	16 13 49.88	−69.82	−20 53 38.3	....
	November 28, P.												
8	ι Geminorum	8	21 10.16	− 0.50	**−49.50**	349 0 12.22	43.555	− 0.09	− 11.8	7 20 20.16	.....	+27 58 24.4	....
9	β Canis Minoris	8	23 16.39	− 0.34	**−49.53**	329 30 12.48	43.788	− 0.09	− 35.8	7 22 26.55	.....	+ 8 28 6.6	....
10	β Geminorum	8	40 50.32	− 0.51	**−49.55**	349 16 12.38	43.322	− 0.09	− 11.5	7 40 0.30	.....	+28 14 19.7	....
11	β Cancri	8	12 38.07	− 0.34	**−49.48**	330 28 12.15	47.202	− 0.09	− 34.5	8 11 48.21	.....	+ 9 27 25.9	....
12	30 Monocerotis	8	22 8.93	− 0.28	**−49.56**	317 24 12.75	46.828	− 0.09	− 56.0	8 21 19.12	.....	− 3 37 3.9	....
13	ε Hydræ	8	43 0.22	− 0.33	**−49.48**	327 46 12.10	44.920	− 0.09	− 38.4	8 42 10.36	.....	+ 6 44 29.6	....
14	Moon II, S.	8	55 9.36	− 0.45	−49.54	342 38 12.00	44.310	− 0.09	− 19.0	8 54 19.37	−73.19	+21 36 35.4	....
15	α Virginis	7	21 24.79	− 0.22	[**−49.59**]	310 20 10.58	44.198	+ 0.24	−1 11.7	13 20 34.91	.....	−10 42 21.5	....
16	α Ursæ Minoris S. P.	8	28 37.84	+45.98	−49.66	52 10 9.68	41.900	+ 0.24	+1 18.5	1 28 34.16	.....	+88 50 44.6	....
	November 29, P.												
17	Sun I, N.	8	20 54.28	− 0.14	−49.72	299 48 10.70	44.770	− 0.49	−1 43.3	16 20 4.42	+70.13	−21 14 40.3	....
18	Sun II, S.	8	23 14.54	− 0.14	−49.72	299 16 12.80	43.570	− 0.49	−1 45.6	16 22 24.68	−70.13	−21 47 8.5	....
19	Mercury C, C.	8	37 8.25	− 0.14	−49.75	296 26 11.00	42.720	− 0.32	−1 58.5	17 36 18.36	+ 0.17	−24 37 42.5	....
20	α Andromedæ	8	4 43.39	− 0.46	**−49.91**	349 38 10.40	44.525	− 0.79	− 10.9	0 3 53.02	.....	+28 36 45.5	....
21	γ Pegasi	8	9 35.43	− 0.33	**−49.93**	335 44 10.02	43.438	− 0.79	− 26.9	0 8 45.18	.....	+14 42 4.7	....
22	ι Ceti	8	15 50.16	− 0.23	**−49.99**	311 44 11.70	43.825	− 0.79	−1 6.9	0 15 0.01	.....	− 9 18 24.7	....
23	β Ceti	8	40 4.03	− 0.22	**−49.93**	302 34 10.72	46.355	− 0.79	−1 33.2	0 39 13.88	.....	−18 27 55.3	....
24	β Andromedæ	8	5 41.88	− 0.55	−49.94	356 10 10.20	46.858	− 0.79	− 3.9	1 4 51.39	.....	+35 9 45.6	....
25	θ Ceti	8	20 31.16	− 0.23	**−49.93**	312 24 11.08	45.080	− 0.79	−1 5.3	1 19 40.99	.....	− 8 37 54.8	....
26	α Ursæ Minoris	8	30 5.28	−41.13	−49.94	49 50 13.35	46.035	− 0.79	+1 11.0	1 28 34.21	.....	+88 50 45.4	....
	November 29, Ep.												
27	1 H. Draconis	8	25 47.09	− 5.64	−50.23	42 42 14.52	46.115	− 0.58	+ 56.1	9 24 51.22	.....	+81 42 34.1	....
28	Moon II, S.	4	53 53.04	− 0.39	−50.24	337 16 14.08	42.466	− 0.58	− 25.4	9 53 2.41	−70.39	+16 13 47.9	....
29	α Leonis	8	4 34.86	− 0.34	**−50.25**	333 24 14.22	47.580	− 0.58	− 30.3	10 3 44.28	.....	+12 23 40.4	....
30	ζ Leonis	8	12 41.79	− 0.44	**−50.21**	344 52 14.22	45.480	− 0.58	− 16.4	10 11 51.11	.....	+23 51 6.5	....
31	ρ Leonis	8	29 4.11	− 0.33	**−50.21**	330 46 14.90	46.970	− 0.58	− 33.9	10 28 13.53	.....	+ 9 45 22.8	....
32	ν Hydræ	8	46 9.72	− 0.24	−50.25	305 18 13.48	45.515	− 0.58	−1 25.4	10 45 19.23	.....	−15 44 2.7	....
33	δ Leonis	8	10 19.22	− 0.41	**−50.26**	342 2 15.10	42.835	− 0.58	− 19.6	11 9 28.55	.....	+21 0 3.2	....
34	α Virginis	8	21 25.46	− 0.24	[**−50.21**]	310 20 12.08	44.130	− 0.85	−1 10.3	13 20 34.91	.....	−10 42 21.2	....
35	α Ursæ Minoris S. P.	8	28 39.84	+42.84	−50.31	52 10 12.12	41.892	− 0.85	+1 17.1	1 28 32.37	.....	+88 50 44.8	....
	November 30, Ep.												
36	Sun I, N.	7	25 12.98	− 0.14	−50.38	299 38 7.18	45.082	− 0.20	−1 42.3	16 24 22.46	+70.13	−21 24 35.5	....
37	Sun II, S.	8	27 33.24	− 0.14	−50.38	299 6 9.68	43.925	− 0.20	−1 44.6	16 26 42.72	−70.13	−21 57 2.4	....
38	θ Ceti	8	20 31.83	− 0.27	**−50.57**	312 24 7.88	45.192	− 0.53	−1 4.8	1 19 40,99	.....	− 8 37 54.7	....
39	α Ursæ Minoris	8	30 0.22	−38.23	−50.57	49 50 8.45	46.248	− 0.53	+1 10.5	1 28 31.42	.....	+88 50 45.2	....
40	β Arietis	8	50 41.18	− 0.40	**−50.54**	341 24 8.02	46.040	− 0.53	− 20.0	1 49 50.20	.....	+20 23 9.4	....
41	α Arietis	8	3 7.35	− 0.42	**−50.59**	344 4 9.58	46.125	− 0.53	− 17.0	2 2 16.35	.....	+23 3 15.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
26 7 23	......	....	32.5
7 41	29.858	33.8	32.3
8 16	29.857	33.6	32.3
27 16 15	29.946	46.0	45.8
28 7 18	30.038	27.8	28.0
7 26	......	....	27.8
7 43	......	....	27.0
8 15	......	....	26.8
8 24	30.050	26.9	26.7
8 45	......	....	27.0
8 56	30.062	26.6	27.1
13 19	......	....	28.2
13 33	30.118	31.0	29.4
29 16 23	30.078	39.7	39.8
17 37	30.050	42.0	41.0
0 2	30.004	37.5	36.0
0 18	......	....	35.8
0 42	29.994	37.0	36.0
1 8	......	....	36.0
1 34	29.996	37.0	36.0
9 26	30.068	32.4	30.6
9 54	......	....	30.3
10 0	30.082	32.1	....
10 13	......	....	30.2
10 29	30.094	32.1	30.3
10 46	......	....	30.4
11 10	30.112	31.9	31.2
13 21	......	....	38.5
13 29	30.180	38.3	....
30 16 28	30.212	48.2	50.0
1 21	......	....	43.7
1 30	[illegible]	42.7	....
1 50	......	....	42.2
2 3	[illegible]	42.0	41.7

Micrometer bisections are made at II, VI, except as noted below.

6, 17, 36. Bisections at I, II.
7, 18, 37. Bisections at VI, VII.
14, 28. Bisections at II, III, V, VI.
16, 26, 35, 39. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
19. Bisections at I, II, VI, VII.
22, 25. Bisections at II, VII.
27. Bisections at b_4, b_6.
40. Bisection at VI.

Note.
16. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 7.7	+16 12.9	...	+16 20.6
7	+ 7.7	−16 12.9	...	−16 5.2
14	+17 30.6	+16 15.3	...	+33 45.9
17	+ 7.7	−16 14.0	...	−16 6.3
18	+ 7.8	+16 14.1	...	+16 21.9
19	+ 9.9	.. ....	− 0.2	+ 9.7
28	+22 41.4	+16 12.2	...	+38 53.6
36	+ 7.7	−16 13.4	...	−16 5.7
37	+ 7.8	+16 13.4	...	+16 21.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	δ Ceti	8	35 52.89	− 0.29	**−50.60**	321 0 9.38	42.460	− 0.53	− 48.3	2 35 2.01	.....	− 0 2 39.8	....
2	α Ceti	8	58 35.41	− 0.31	**−50.57**	324 46 8.10	46.810	− 0.53	− 42.0	2 57 44.50	.....	+ 3 45 4.6	....
3	η Tauri	8	43 10.38	− 0.43	**−50.62**	344 52 8.25	43.850	− 0.53	− 16.2	3 42 19.33	.....	+23 50 23.6	....
4	Saturn I, C	6	53 55.53	− 0.38	−50.62	339 2 9.35	47.794	− 0.53	− 22.9	3 53 4.53	+ 0.67	+18 0 11.9	....
5	Saturn II	6	53 56.87	− 0.38	−50.62	... .	......	....	. ....	3 53 5.87	− 0.67	.. ..	....
	November 30, P.												
6	α Hydræ	8	24 9.67	− 0.30	**−50.65**	312 44 13.22	48.362	− 0.64	−1 5.3	9 23 18.74	.....	− 8 16 37.6	....
7	ε Leonis	8	41 46.17	− 0.46	**−50.66**	345 12 13.35	44.070	− 0.64	− 16.0	9 40 55.08	.....	+24 10 33.7	....
8	α Leonis	8	4 35.32	− 0.37	**−50.64**	333 24 12.72	47.632	− 0.64	− 30.3	10 3 44.31	.....	+12 23 40.0	....
9	ζ Leonis	8	12 42.28	− 0.46	**−50.65**	344 52 15.18	45.438	− 0.64	− 16.3	10 11 51.17	.....	+23 51 6.6	....
10	ρ Leonis	8	29 4.61	− 0.36	**−50.65**	330 46 18.48	46.825	− 0.64	− 33.8	10 28 13.60	.....	+ 9 45 23.2	....
11	Moon II, S	8	48 31.82	− 0.37	−50.66	330 58 12.52	43.695	− 0.64	− 33.5	10 47 40.79	−68.06	+ 9 56 6.4	....
12	δ Leonis	8	10 19.69	− 0.43	**−50.67**	342 2 13.02	42.908	− 0.64	− 19.6	11 9 28.59	.....	+21 0 2.8	....
	December 2, P.												
13	θ Hydræ	8	10 42.51	− 0.39	**−51.61**	323 42 8.95	46.685	+ 2.20	− 42.9	9 9 50.48	.....	+ 2 41 4.7	....
14	40 Lyncis	8	16 38.26	− 0.63	−51.64	355 46 8.42	46.578	+ 2.20	− 4.3	9 15 45.99	.....	+34 45 39.8	....
15	α Hydræ	8	24 10.83	− 0.36	**−51.69**	312 44 10.10	48.302	+ 2.20	−1 3.2	9 23 18.83	.....	− 8 16 37.2	....
16	ε Leonis	8	41 47.29	− 0.51	**−51.66**	345 12 11.25	44.028	+ 2.20	− 15.4	9 40 55.13	.....	+24 10 34.1	....
17	α Leonis	7	4 36.50	− 0.42	**−51.70**	333 24 11.28	47.542	+ 2.20	− 29.3	10 3 44.42	.....	+12 23 40.3	....
18	ζ Leonis	8	12 43.33	− 0.50	**−51.58**	344 52 10.25	45.505	+ 2.20	− 15.8	10 11 51.17	.....	+23 51 6.5	.. .
19	Moon II, S	8	30 31.84	− 0.35	−51.71	317 20 11.82	41.686	+ 2.20	− 54.0	12 29 39.78	−66.00	− 3 42 57.9	....
20	α Virginis	8	21 27.12	− 0.32	[**−51.71**]	310 20 12.12	43.885	+ 2.20	−1 8.8	13 20 35.07	.....	−10 42 22.2	....
21	α Ursæ Minoris s. p.	8	28 45.53	+38.37	−51.73	52 10 12.38	41.790	+ 2.20	+1 15.4	1 28 32.17	.....	+88 50 45.4	....
	December 3, P.												
22	Sun I, S	8	38 13.22	− 0.33	−51.81	298 38 12.60	45.722	+ 2.47	−1 45.8	16 37 21.08	+70.40	−22 24 16.9	....
23	Sun II, N	8	40 34.01	− 0.33	−51.81	299 10 12.25	46.875	+ 2.47	−1 43.4	16 39 41.87	−70.39	−21 51 48.4	....
24	ζ Pegasi	8	37 59.06	− 0.41	**−51.88**	331 24 10.95	44.910	+ 2.56	− 31.7	22 37 6.71	.....	+10 22 37.2	....
25	η Pegasi	8	39 46.98	− 0.55	**−51.90**	350 46 9.98	47.805	+ 2.56	− 9.4	22 38 54.48	.....	+29 46 4.6	....
26	α Pegasi	8	1 17.41	− 0.43	**−51.92**	335 46 11.78	43.690	+ 2.56	− 26.2	23 0 25.03	.....	+14 44 16.0	....
27	γ Piscium	8	13 31.34	− 0.38	**−51.97**	323 50 10.75	44.775	+ 2.56	− 42.6	23 12 39.00	.....	+ 2 48 23.7	....
28	ι Piscium	8	36 20.62	− 0.39	**−51.95**	326 10 11.42	46.982	+ 2.56	− 39.1	23 35 28.26	.....	+ 5 9 17.8	....
29	θ Ceti	8	20 33.33	− 0.35	**−52.00**	312 24 13.98	44.770	+ 2.56	−1 4.2	1 19 40.98	.....	− 8 37 54.5	....
30	α Ursæ Minoris	8	30 0.78	−36.24	−52.01	49 50 11.88	46.040	+ 2.56	+1 9.7	1 28 32.53	.....	+88 50 46.1	....
	December 3, Ep.												
31	Saturn I, C	6	52 57.89	− 0.44	−52.17	339 0 13.30	45.651	+ 2.63	− 22.6	3 52 5.28	+ 0.68	+17 57 30.3	....
32	Saturn II	6	52 59.26	− 0.44	−52.17	... .	......	....	. ....	3 52 6.65	− 0.69	.. ..	....
33	α Tauri	8	31 49.13	− 0.43	**−52.20**	337 22 13.30	43.598	+ 2.63	− 24.5	4 30 56.52	.....	+16 20 16.9	....
34	ι Aurigæ	8	52 13.26	− 0.58	−52.19	354 2 12.72	47.100	+ 2.63	− 6.1	4 51 20.49	.....	+33 1 55.3	....
35	β Orionis	8	11 14.94	− 0.33	**−52.23**	312 44 13.05	44.820	+ 2.63	−1 3.7	5 10 22.41	.....	− 8 17 53.9	....
36	β Tauri	8	21 41.16	− 0.53	**−52.20**	349 34 13.58	42.930	+ 2.63	− 10.8	5 20 48.43	.....	+28 32 15.6	....
37	δ Orionis	8	28 27.20	− 0.35	**−52.24**	320 40 14.45	44.950	+ 2.63	− 48.3	5 27 34.65	.....	− 0 21 34.6	....
38	α Orionis	8	51 21.21	− 0.38	**−52.26**	328 26 13.90	42.488	+ 2.63	− 36.2	5 50 28.62	.....	+ 7 23 40.2	....
	December 8, M.												
39	ρ Leonis	8	29 9.04	− 0.37	**−54.79**	330 46 15.60	46.645	+ 4.54	− 34.2	10 28 13.85	.....	+ 9 45 20.9	....
40	ν Hydræ	8	46 14.70	− 0.29	−54.82	305 18 8.80	45.472	+ 4.54	−1 26.3	10 45 19.59	.....	−15 44 4.2	....
41	δ Leonis	8	10 24.13	− 0.44	**−54.82**	342 2 8.82	42.810	+ 4.54	− 19.9	11 9 28.86	.....	+21 0 1.2	....
42	β Virginis	8	47 4.48	− 0.32	**−54.91**	323 16 5.58	47.702	+ 4.54	− 45.7	11 46 9.31	.....	+ 2 15 24.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 2 36	30.266	41.2	41.2
2 59	......	....	41.8
3 47	30.270	40.0	39.0
9 22	30.262	34.8	34.0
9 44	......	....	33.9
10 15	......	....	34.0
10 31	30.274	34.2	34.4
10 49	......	....	34.5
11 12	30.276	34.5	34.8
2 9 8	29.838	44.5	44.0
9 26	......	....	43.6
9 44	......	....	43.1
10 14	29.868	43.0	42.5
12 32	29.890	43.1	43.0
13 19	......	....	44.4
13 33	29.900	45.3	45.0
3 16 41	29.918	49.3	48.8
22 34	29.842	47.0	46.0
23 3	......	....	45.5
23 15	......	....	45.0
23 38	29.844	46.0	44.1
1 19	......	....	42.0
1 34	29.830	43.0	41.9
3 53	29.800	41.1	39.9
4 32	29.786	40.7	39.3
4 52	......	....	39.0
5 11	29.787	40.5	38.8
5 28	......	....	38.8
5 51	29.783	40.5	38.9
8 10 29	29.880	25.5	22.8
10 46	......	....	22.5
11 10	29.900	24.8	22.2

Micrometer bisections are made at II, VI, except as noted below.

4, 31. Bisections at I, II, VI, VII.
4, 31. Z. D. threads C used.
11, 19. Bisections at II, III, V, VI.
21, 30. Bisections at 9.5^r, 10.5^r.
22. Bisections at I, II.
23. Bisections at VI, VII.

Notes.

13. Circle reading decreased 4′.
17. Clouds.
39–42. Conditions poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 0.4	.. ....	...	+ 0.4
11	+28 25.5	+16 7.6	...	+44 33.1
19	+39 19.9	+15 55.6	...	+55 15.5
22	+ 7.8	+16 14.3	...	+16 22.1
23	+ 7.8	−16 14.2	...	−16 6.4
31	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	*o* Virginis	8	1 41.31	− 0.35	**−54.83**	330 14 6.15	46.185	+ 4.54	− 35.1	12 0 46.11	.....	+ 9 13 0.4	....
2	*α* Virginis	8	21 30.40	− 0.27	[**−54.86**]	310 20 3.22	44.305	+ 4.54	−1 12.3	13 20 35.25	.....	−10 42 22.7	....
3	*α* Ursæ Minoris s. P.	8	28 38.99	+43.57	−54.88	52 10 5.80	41.735	+ 4.54	+1 19.3	1 28 27.68	.....	+88 50 45.9	....
	December 9, M.												
4	Sun I, S	8	4 28.89	− 0.23	−54.94	297 56 9.55	44.092	+ 4.50	−1 54.0	17 3 33.72	+70.85	−23 7 4.0	....
5	Sun II, N	8	6 50.59	− 0.23	−54.94	298 28 7.65	45.390	+ 4.50	−1 51.4	17 5 55.42	−70.85	−22 34 33.1	....
6	*ω* Piscium	8	55 45.72	− 0.28	**−55.02**	327 24 3.10	46.260	+ 4.57	− 38.7	23 54 50.37	.....	+ 6 22 56.1	....
7	*α* Andromedæ	8	4 48.46	− 0.47	**−55.09**	349 38 6.40	44.510	+ 4.52	− 11.0	0 3 52.92	.....	+28 36 46.4	....
8	*γ* Pegasi	8	9 40.53	− 0.33	**−55.13**	335 44 3.18	43.550	+ 4.49	− 27.3	0 8 45.13	.....	+14 42 5.3	....
9	*ι* Ceti	8	15 55.14	− 0.21	**−55.08**	311 44 4.82	43.945	+ 4.45	−1 7.9	0 14 59.85	.....	− 9 18 24.6	....
10	*β* Andromedæ	8	5 47.02	− 0.56	−55.09	356 10 2.70	47.015	+ 4.14	− 4.0	1 4 51.37	.....	+35 9 46.5	....
11	*θ* Ceti	7	20 36.27	− 0.22	**−55.11**	312 24 5.18	45.150	+ 4.04	−1 6.3	1 19 40.95	.....	− 8 37 55.3	....
12	*α* Ursæ Minoris	8	30 6.89	−44.19	−55.10	49 50 6.75	46.142	+ 3.98	+1 12.1	1 28 27.60	.....	+88 50 47.2	....
	December 9, P.												
13	*ρ* Leonis	8	29 9.51	− 0.27	**−55.32**	330 46 10.48	46.870	+ 3.44	− 33.9	10 28 13.88	.....	+ 9 45 20.2	....
14	*ν* Hydræ	8	46 15.09	− 0.17	−55.36	305 18 8.00	45.500	+ 3.44	−1 25.6	10 45 19.56	.....	−15 44 4.7	....
15	*δ* Leonis	8	10 24.66	− 0.36	**−55.39**	342 2 9.52	42.760	+ 3.44	− 19.7	11 9 28.93	.....	+20 59 59.8	....
16	*β* Leonis	8	45 32.71	− 0.30	**−55.38**	336 6 9.12	41.772	+ 3.44	− 26.9	11 44 37.03	.....	+15 3 29.6	....
17	*β* Virginis	8	47 4.88	− 0.22	**−55.37**	323 16 10.48	47.432	+ 3.44	− 45.2	11 46 9.28	.....	+ 2 15 22.2	....
18	*o* Virginis	8	1 41.81	− 0.26	**−55.39**	330 14 9.70	46.020	+ 3.44	− 34.7	12 0 46.16	.....	+ 9 12 59.5	....
19	*α* Virginis	8	21 30.82	− 0.15	[**−55.37**]	310 20 10.98	43.982	+ 3.44	−1 11.3	13 20 35.25	.....	−10 42 22.4	....
20	*α* Ursæ Minoris s. P.	8	28 35.36	+47.01	−55.42	52 10 11.88	41.570	+ 3.44	+1 18.2	1 28 26.95	.....	+88 50 47.0	....
	December 10, P.												
21	Sun I, N	8	8 53.23	− 0.10	−55.49	298 22 6.30	46.478	+ 3.31	−1 48.4	17 7 57.64	+70.94	−22 40 8.4	....
22	Sun II, S	8	11 15.12	− 0.10	−55.49	297 50 5.78	45.232	+ 3.31	−1 50.9	17 10 19.53	−70.95	−23 12 39.1	....
23	*γ* Aquarii	8	18 4.91	− 0.17	**−55.62**	319 12 6.80	45.145	+ 2.59	− 50.1	22 17 9.15	.....	− 1 49 39.3	....
24	*ζ* Pegasi	8	38 2.56	− 0.24	**−55.63**	331 24 7.28	45.060	+ 2.71	− 31.7	22 37 6.72	.....	+10 22 37.1	....
25	*η* Pegasi	8	39 50.43	− 0.40	**−55.60**	350 46 6.88	47.888	+ 2.72	− 9.4	22 38 54.43	.....	+29 46 3.5	....
26	*α* Pegasi	8	1 20.86	− 0.28	**−55.59**	335 46 10.25	43.702	+ 2.85	− 26.2	23 0 24.97	.....	+14 44 15.0	....
27	*γ* Piscium	8	13 34.74	− 0.22	**−55.60**	323 50 8.50	44.810	+ 2.92	− 42.5	23 12 38.91	.....	+ 2 48 22.7	....
28	*ι* Piscium	8	36 24.04	− 0.24	**−55.59**	326 10 9.32	47.010	+ 3.06	− 39.0	23 35 28.18	.....	+ 5 9 17.0	....
	December 11, M.												
29	*ν* Hydræ	7	46 16.35	− 0.32	−56.38	305 18 5.48	45.660	+ 2.83	−1 25.2	10 45 19.65	.....	−15 44 3.8	....
30	*δ* Leonis	7	10 25.90	− 0.47	**−56.45**	342 2 8.18	42.875	+ 2.83	− 19.6	11 9 29.04	.....	+21 0 0.6	....
31	*β* Leonis	8	45 33.91	− 0.42	**−56.39**	336 6	......	....	. ....	11 44 37.09	.....	+15 3	....
32	*β* Virginis	8	47 6.13	− 0.36	**−56.41**	323 16 5.90	47.640	+ 2.83	− 45.3	11 46 9.37	.....	+ 2 15 21.6	....
33	*o* Virginis	8	1 42.95	− 0.39	**−56.33**	330 14 7.40	46.140	+ 2.83	− 34.8	12 0 46.15	.....	+ 9 12 59.3	....
34	*η* Virginis	8	16 23.43	− 0.35	**−56.44**	320 50 10.20	46.845	+ 2.83	− 49.7	12 15 26.67	.....	− 0 10 56.7	....
	December 12, M.												
35	Sun I, N	8	17 43.19	− 0.27	−56.50	298 12 8.80	47.105	+ 4.52	−1 53.4	17 16 46.42	+70.96	−22 49 55.3	....
36	Sun II, S	8	20 5.12	− 0.27	−56.50	297 40 9.20	45.692	+ 4.52	−1 56.0	17 19 8.35	−70.97	−23 22 29.0	....
37	Moon I	8	43 33.28	− 0.29	−56.57	297 28	......	....	. ....	20 42 36.42	+66.56	.. ..	....
38	*δ* Ceti	8	35 59.00	− 0.28	**−56.72**	321 0 12.60	42.142	+ 3.40	− 49.8	2 35 2.05	.....	− 0 2 41.5	....
39	*α* Ceti	8	58 41.58	− 0.30	**−56.74**	324 46 9.48	46.575	+ 3.49	− 43.4	2 57 44.60	.....	+ 3 45 3.3	....
40	*o* Tauri	8	21 5.53	− 0.33	**−56.63**	329 46 10.95	42.192	+ 3.57	− 35.9	3 20 8.51	.....	+ 8 43 32.4	....
41	*η* Tauri	8	43 16.59	− 0.46	**−56.73**	344 52 10.75	43.628	+ 3.66	− 16.6	3 42 19.44	.....	+23 50 24.8	....
42	Saturn I, C	6	50 12.45	− 0.40	−56.70	338 52 11.80	47.094	+ 3.68	− 23.8	3 49 15.35	+ 0.71	+17 50 2.0	....
43	Saturn II	6	50 13.88	− 0.40	−56.70	... .	......	....	. ....	3 49 16.78	− 0.72	.. ..	....
44	*γ* Eridani	8	54 56.23	− 0.24	**−56.71**	307 16 8.65	47.538	+ 3.70	−1 20.9	3 53 59.29	.....	−13 45 13.2	....
45	*ν* Tauri	8	59 29.54	− 0.31	**−56.70**	326 46 11.55	46.382	+ 3.72	− 40.4	3 58 32.53	.....	+ 5 45 4.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 12 2	29.920	24.6	21.8
13 22	29.952	24.5	21.7
9 17 7	29.956	30.0	27.8
23 56	29.902	29.7	27.8
0 16	......	....	27.5
1 6	......	....	27.5
1 30	29.900	28.9	27.4
10 26	[illegible]	27.0	25.9
10 48	......	....	25.4
11 12	29.824	26.9	25.4
11 49	......	....	25.8
12 3	29.838	27.0	25.9
13 19	......	....	26.8
13 33	29.848	28.1	27.0
10 17 11	29.800	39.3	40.1
22 15	29.700	45.0	44.0
22 42	......	....	43.3
23 3	......	....	43.0
23 16	29.682	44.0	43.0
23 38	29.690	44.2	43.4
11 10 46	29.870	30.7	28.4
11 10	......	....	27.8
11 46	......	....	26.2
12 16	29.946	27.5	24.6
12 17 20	30.032	29.0	25.8
2 36	30.130	25.5	24.4
2 59	......	....	23.8
3 21	......	....	23.4
3 43	......	....	23.3
3 59	30.140	23.7	22.9

Micrometer bisections are made at II, VI, except as noted below.

3, 12, 20. Bisections at 9.5, 10.5. (r r)
4, 21, 35. Bisections at I, II.
5, 22, 36. Bisections at VI, VII.
29. Bisection at VI.
42. Bisections at I, II, VI, VII.
42. Z. D. threads C used.

Notes.

1-3. Conditions poor.
3. Micrometer reading decreased 1 rev.
27, 28. Clouds.
32-34. High wind.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
4	+ 7.9	+16 15.4	...	+16 23.3
5	+ 7.8	−16 15.4	...	−16 7.6
21	+ 7.8	−16 15.3	...	−16 7.5
22	+ 7.9	+16 15.3	...	+16 23.2
35	+ 7.8	−16 16.8	...	−16 9.0
36	+ 7.9	+16 16.8	...	+16 24.7
42	+ 0.4	.. ....	...	+.. 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 12, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ν Hydræ	8	46 16.77	− 0.15	−56.91	305 18 11.35	45.370	+ 4.07	−1 27.8	10 45 19.71	.....	−15 44 5.9	....
2	δ Leonis	8	10 26.31	− 0.40	**−56.89**	342 2 15.08	42.515	+ 4.14	− 20.2	11 9 28.99	.....	+21 0 0.0	....
3	β Leonis	8	45 34.38	− 0.33	**−56.92**	336 6 11.85	41.662	+ 4.24	− 27.6	11 44 37.12	.....	+15 3 29.8	....
4	β Virginis	8	47 6.58	− 0.23	**−56.96**	323 16 12.82	47.362	+ 4.24	− 46.5	11 46 9.42	.....	+ 2 15 22.4	....
5	ο Virginis	8	1 43.40	− 0.28	**−56.86**	330 14 14.20	45.828	+ 4.28	− 35.6	12 0 46.18	.....	+ 9 12 59.6	....
6	η Virginis	8	16 23.80	− 0.20	**−56.93**	320 50 11.02	46.832	+ 4.33	− 50.8	12 15 26.66	.....	− 0 10 55.8	....
7	α Virginis	8	21 32.43	− 0.14	**[−56.89]**	310 20 9.62	44.105	+ 4.51	−1 13.6	13 20 35.33	.....	−10 42 22.2	....
8	α Ursæ Minoris s. p.	8	28 28.67	+52.92	−56.97	52 10 18.45	41.102	+ 4.53	+1 20.6	1 28 24.62	.....	+88 50 47.5	....
	December 13, P.												
9	Sun I, S.	8	22 8.52	− 0.07	−57.06	297 36 10.68	45.182	+ 3.84	−1 55.7	17 21 11.39	+71.17	−23 26 39.8	....
10	Sun II, N	8	24 30.85	− 0.07	−57.06	298 8 9.42	46.642	+ 3.84	−1 53.0	17 23 33.72	−71.16	−22 54 5.0	....
11	Moon I, S	8	32 51.94	− 0.05	−57.16	301 24 4.25	47.372	+ 3.00	−1 37.9	21 31 54.73	+64.45	−19 37 38.5	....
12	γ Aquarii	8	18 6.37	− 0.11	**−57.17**	319 12 6.50	45.218	+ 3.00	− 51.8	22 17 9.08	.....	− 1 49 39.2	....
13	ζ Pegasi	8	38 4.06	− 0.19	**−57.21**	331 24 6.55	45.128	+ 3.00	− 32.7	22 37 6.68	.....	+10 22 37.2	....
14	η Pegasi	8	39 51.96	− 0.40	**−57.17**	350 46 4.82	47.992	+ 3.00	− 9.7	22 38 54.37	.....	+29 46 3.8	....
15	α Pegasi	8	1 22.35	− 0.22	**−57.18**	335 46 4.62	43.985	+ 3.00	− 27.1	23 0 24.94	.....	+14 44 15.1	....
16	γ Piscium	8	13 36.22	− 0.14	**−57.19**	323 50 9.25	44.845	+ 3.00	− 44.0	23 12 38.88	.....	+ 2 48 22.9	....
17	ι Piscium	8	36 25.54	− 0.15	**−57.21**	326 10 6.92	47.200	+ 3.00	− 40.3	23 35 28.18	.....	+ 5 9 17.6	....
18	θ Ceti	7	20 38.25	− 0.08	**−57.26**	312 24 6.52	45.095	+ 3.00	−1 6.1	1 19 40.93	.....	− 8 37 56.0	....
19	α Ursæ Minoris	7	30 8.02	−46.78	−57.25	49 50 7.32	46.245	+ 3.00	+1 11.7	1 28 23.99	.....	+88 50 48.7	....
	December 13, Ep.												
20	Saturn I, C	6	49 55.10	− 0.28	−57.41	338 51 47.62	46.115	+ 3.32	− 23.3	3 48 57.41	+ 0.67	+17 49 15.6	....
21	Saturn II	6	49 56.44	− 0.28	−57.41	... .	......	....	. ....	3 48 58.75	− 0.67	.. ..	....
22	ν Tauri	8	59 30.11	− 0.19	**−57.38**	326 46 11.68	46.305	+ 3.32	− 39.5	3 58 32.51	.....	+ 5 45 3.4	....
23	δ Tauri	8	18 53.55	− 0.28	**−57.41**	338 22 13.30	44.170	+ 3.32	− 23.9	4 17 55.85	.....	+17 20 31.6	....
24	ε Tauri	8	24 30.77	− 0.30	**−57.46**	340 0 11.80	46.630	+ 3.32	− 21.9	4 23 33.05	.....	+18 59 28.4	....
25	α Tauri	8	31 54.30	− 0.28	**−57.42**	337 22 13.00	43.618	+ 3.32	− 25.2	4 30 56.60	.....	+16 20 17.0	....
26	ι Aurigæ	8	52 18.54	− 0.49	−57.43	354 2 13.58	47.080	+ 3.32	− 6.2	4 51 20.62	.....	+33 1 56.3	....
27	β Orionis	8	11 20.03	− 0.11	**−57.42**	312 44 12.80	44.800	+ 3.32	−1 5.4	5 10 22.49	.....	− 8 17 55.6	....
28	α Virginis	8	21 33.08	− 0.12	**[−57.53]**	310 20 15.58	43.710	+ 3.53	−1 11.6	13 20 35.33	.....	−10 42 24.2	....
29	α Ursæ Minoris s. p.	8	28 31.05	+51.57	−57.63	52 8 16.25	46.550	+ 3.53	+1 18.5	1 28 24.99	.....	+88 50 48.0	....
	December 14, Ep.												
30	Sun I, S	8	26 34.60	− 0.05	−57.71	297 32 13.02	45.638	+ 3.32	−1 52.2	17 25 36.84	+71.00	−23 30 23.7	....
31	Sun II, N	8	28 56.61	− 0.05	−57.71	298 4 12.85	46.970	+ 3.32	−1 49.7	17 27 58.85	−71.01	−22 57 51.9	....
32	Moon I, S	8	19 20.34	− 0.11	−57.83	306 20 10.75	43.446	+ 3.52	−1 19.4	22 18 22.40	+62.80	−14 42 42.7	....
33	β Ceti	8	40 11.71	− 0.11	**−57.86**	302 34 12.70	46.005	+ 3.52	−1 32.0	0 39 13.72	.....	−18 27 55.8	....
34	β Andromedæ	8	5 49.67	− 0.49	−57.89	356 10 11.08	46.695	+ 3.52	− 3.9	1 4 51.29	.....	+35 9 47.1	....
35	θ Ceti	8	20 38.89	− 0.14	**−57.85**	312 24 10.35	44.855	+ 3.52	−1 4.6	1 19 40.85	.....	− 8 37 55.7	....
36	α Ursæ Minoris	8	30 2,08	−41.88	−57.90	49 50 10.98	46.145	+ 3.52	+1 10.2	1 28 22.30	.....	+88 50 49.1	....
37	α Arietis	8	3 14.57	− 0.34	**−57.94**	344 4 12.05	45.878	+ 3.52	− 16.8	2 2 16.32	.....	+23 3 16.0	....
38	δ Ceti	8	36 0.05	− 0.17	**−57.89**	321 0 12.18	42.078	+ 3.52	− 47.9	2 35 1.96	.....	− 0 2 41.3	....
39	α Ceti	8	58 42.71	− 0.19	**−58.01**	324 46 12.65	46.378	+ 3.52	− 41.7	2 57 44.59	.....	+ 3 45 3.7	....
40	Saturn I, C	6	49 37.98	− 0.30	−57.95	338 50 13.38	48.271	+ 3.52	− 22.9	3 48 39.73	+ 0.67	+17 48 31.2	....
41	Saturn II	6	49 39.32	− 0.30	−57.95	... .	......	....	. ....	3 48 41.07	− 0.67	.. ..	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
12 10 44	30.164	19.3	19.0
11 14	....	....	18.8
11 41	30.172	19.2	18.6
12 4	....	....	18.3
12 18	30.168	19.0	18.1
13 20	....	....	17.0
13 33	30.164	18.9	17.6
13 17 24	30.122	30.6	30.0
21 36	30.008	35.0	34.0
22 15	30.008	34.8	33.7
22 23	30.006	35.0	33.8
22 42	....	....	33.0
23 4	....	....	32.4
23 15	29.986	33.5	32.0
23 38	29.984	33.1	32.0
1 19	....	....	30.1
1 34	29.946	31.2	30.3
3 50	29.926	31.3	30.4
4 19	....	....	30.1
4 32	29.922	31.1	29.9
4 52	....	....	29.6
5 11	29.919	30.2	28.9
13 22	....	....	26.3
13 29	29.923	27.0	....
14 17 29	29.904	41.0	42.2
22 19	29.857	44.1	43.3
0 40	29.860	41.1	39.9
1 6	....	....	39.6
1 20	....	....	39.0
1 30	29.856	39.8	....
2 3	....	....	38.5
2 36	29.846	39.2	38.3
2 50	29.847	39.1	38.2
3 50	29.846	[illegible]	37.6

Micrometer bisections are made at II, VI, except as noted below.

8, 19, 29, 36.	Bisections at 9.5^r, 10.5^r.
9, 30.	Bisections at I, II.
10, 31.	Bisections at VI, VII.
11, 32.	Bisections at II, III, V, VI.
20, 40.	Bisections at I, II, VI, VII.
20, 40.	Z. D. threads C used.

Notes.

12, 19.	Clouds.
13–15, 38.	Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	° ′ ″	″	′ ″
9	+ 7.9	+16 17.4	...	+16 25.3
10	+ 7.9	−16 17.4	...	−16 9.5
11	+46 2.2	+14 46.8	...	+60 49.0
20	+ 0.4	.. ....	...	+ 0.4
30	+ 7.9	+16 15.9	...	+16 23.8
31	+ 7.9	−16 15.9	...	−16 8.0
32	+43 26.9	+14 47.1	...	+58 14.0
40	+ 0.4	.. ....	...	+ 0.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 15, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Moon I, S.	8	3 51.22	− 0.17	−58.24	311 46 10.12	45.224	+ 3.86	−1 4.5	23 2 52.81	+61.81	− 9 15 47.2	....
2	ι Piscium	8	36 26.61	− 0.22	**−58.23**	326 10 11.62	46.860	+ 3.86	− 38.7	23 35 28.14	.....	+ 5 9 17.0	....
3	ω Piscium	8	55 48.80	− 0.23	**−58.21**	327 24 11.85	45.762	+ 3.86	− 36.9	23 54 50.31	.....	+ 6 22 54.6	....
4	α Andromedæ	8	4 51.49	− 0.41	**−58.25**	349 38 11.55	44.262	+ 3.86	− 10.5	0 3 52.82	.....	+28 36 45.7	....
5	γ Pegasi	8	9 43.55	− 0.28	**−58.26**	335 44 10.58	43.145	+ 3.86	− 26.1	0 8 45.01	.....	+14 42 4.0	....
6	ι Ceti	8	15 58.28	− 0.17	**−58.32**	311 44 13.55	43.398	+ 3.86	−1 4.8	0 14 59.85	.....	− 9 18 25.8	....
7	θ Ceti	8	20 39.36	− 0.17	**−58.30**	312 24 10.82	44.755	+ 3.86	−1 3.4	1 19 40.91	.....	− 8 37 56.0	....
8	α Ursæ Minoris	8	29 58.70	−39.58	−58.29	49 50 11.50	46.178	+ 3.86	+1 9.0	1 28 20.83	.....	+88 50 49.5	....
	December 16, P.												
9	Moon I, S.	8	47 30.52	− 0.22	−58.82	317 34 8.70	46.559	+ 3.78	− 53.1	23 46 31.48	+61.63	− 3 27 7.3	....
10	ω Piscium	8	55 49.40	− 0.26	**−58.79**	327 24 9.10	45.940	+ 3.78	− 37.2	23 54 50.32	.....	+ 6 22 55.5	....
11	α Andromedæ	8	4 52.05	− 0.42	**−58.82**	349 38 8.25	44.425	+ 3.78	− 10.6	0 3 52.81	.....	+28 36 45.9	....
12	γ Pegasi	8	9 44.20	− 0.31	**−58.89**	335 44 8.30	43.282	+ 3.78	− 26.2	0 8 45.07	.....	+14 42 4.6	....
13	ι Ceti	8	15 58.79	− 0.20	**−58.81**	311 44 9.70	43.650	+ 3.78	−1 5.2	0 14 59.76	.....	− 9 18 24.4	....
14	β Ceti	8	40 12.76	− 0.19	**−58.85**	302 34 10.28	46.052	+ 3.78	−1 31.0	0 39 13.73	.....	−18 27 55.9	....
15	β Andromedæ	8	5 50.56	− 0.50	−58.84	356 10 9.45	46.745	+ 3.78	− 3.8	1 4 51.22	.....	+35 9 46.9	....
16	θ Ceti	8	20 39.91	− 0.21	**−58.82**	312 24 10.00	44.834	+ 3.78	−1 3.7	1 19 40.85	.....	− 8 37 55.3	....
17	α Virginis	8	21 34.78	− 0.24	[**−59.01**]	310 20 12.15	43.778	+ 3.43	−1 9.8	13 20 35.44	.....	−10 42 24.4	....
18	α Ursæ Minoris s. p.	8	28 37.55	+43.26	−59.10	52 8 11.05	46.825	+ 3.43	+1 16.5	1 28 21.71	.....	+88 50 49.0	....
	December 19, P.												
19	θ Ceti	8	19 41.52	− 0.32	− **0.34**	312 24 10.05	44.880	+ 3.46	−1 4.9	1 19 40.84	.....	− 8 37 55.8	....
20	α Ursæ Minoris	8	28 56.70	−38.12	− 0.36	49 50 9.98	46.215	+ 3.46	+1 10.6	1 28 18.22	.....	+88 50 50.0	....
21	β Arietis	8	49 50.94	− 0.44	− **0.36**	341 24 11.42	45.702	+ 3.46	− 19.9	1 49 50.13	.....	+20 23 9.2	....
22	Moon I, S.	8	4 55.58	− 0.41	− 0.37	335 28 10.55	42.984	+ 3.46	− 27.1	2 4 54.80	+66.54	+14 25 59.4	....
23	δ Ceti	8	35 2.63	− 0.32	− **0.34**	321 0 11.90	42.140	+ 3.46	− 48.2	2 35 1.93	.....	− 0 2 40.5	....
24	α Ceti	8	57 45.27	− 0.33	− **0.41**	324 46 11.98	46.448	+ 3.46	− 42.0	2 57 44.55	.....	+ 3 45 4.2	....
25	ο Tauri	8	20 9.33	− 0.35	− **0.41**	329 46 13.25	42.050	+ 3.46	− 34.7	3 20 8.58	.....	+ 8 43 32.5	....
26	η Tauri	8	42 20.31	− 0.44	− **0.45**	344 52 10.58	43.632	+ 3.46	− 16.1	3 42 19.46	.....	+23 50 25.0	....
	December 20, P.												
27	Sun I, N.	8	52 13.97	− 0.21	− 0.70	297 52 9.42	45.472	+ 3.92	−1 50.0	17 52 13.06	+71.29	−23 10 28.6	....
28	Sun II, S.	8	54 36.55	− 0.21	− 0.70	297 20 6.70	44.168	+ 3.92	−1 52.6	17 54 35.64	−71.29	−23 43 3.1	....
29	θ Ceti	8	19 41.93	− 0.22	− **0.86**	312 24 9.70	44.825	+ 3.32	−1 4.1	1 19 40.86	.....	− 8 37 56.7	....
30	α Ursæ Minoris	8	28 57.14	−38.87	− 0.85	49 50 10.80	46.208	+ 3.32	+1 9.8	1 28 17.42	.....	+88 50 49.7	....
31	α Arietis	8	2 17.44	− 0.38	− **0.81**	344 4 11.45	45.892	+ 3.32	− 16.7	2 2 16.20	.....	+23 3 15.6	....
32	β Trianguli	8	4 23.33	− 0.51	− 0.87	355 36 9.90	44.185	+ 3.32	− 4.5	2 4 21.95	.....	+34 34 47.6	....
33	δ Ceti	8	35 3.09	− 0.24	− **0.89**	321 0 10.82	42.075	+ 3.32	− 47.6	2 35 1.97	.....	− 0 2 42.7	....
34	Moon I, S.	8	58 7.52	− 0.37	− 0.88	340 44 10.08	50.025	+ 3.32	− 20.5	2 58 6.27	+69.84	+19 44 46.1	....
35	ο Tauri	8	20 9.70	− 0.28	− **0.91**	329 46 11.88	42.055	+ 3.32	− 34.3	3 20 8.53	.....	+ 8 43 31.5	....
36	η Tauri	8	42 20.73	− 0.40	− **0.91**	344 52 13.62	43.465	+ 3.32	− 16.0	3 42 19.43	.....	+23 50 24.2	....
	December 20, Ep.												
37	Mercury II, C.	8	30 50.56	− 0.21	− 1.31	301 58 12.48	42.355	+ 3.51	−1 34.1	16 30 49.04	− 0.27	−19 5 20.6	....
	December 21, Ep.												
38	Sun I, S.	8	56 40.91	− 0.22	− 1.34	297 20 9.32	42.850	+ 3.59	−1 52.4	17 56 39.35	+71.31	−23 43 30.8	....
39	Sun II, N.	8	59 3.53	− 0.22	− 1.34	297 52 9.12	44.250	+ 3.59	−1 49.9	17 59 1.97	−71.31	−23 10 57.1	....
40	η Piscium	8	26 51.58	− 0.35	− **1.52**	335 56 13.58	42.845	+ 3.15	− 26.6	1 26 49.69	.....	+14 53 58.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
15 23 7	29.578	47.0	45.8
23 38	....	....	45.0
23 58	29.570	46.0	44.4
0 17	29.562	45.2	43.8
1 19	....	....	42.2
1 34	29.514	43.5	42.0
16 23 45	29.750	45.1	45.0
0 3	....	....	44.3
0 17	29.750	44.1	43.8
0 42	29.772	44.0	44.0
1 8	....	....	43.3
1 22	29.756	43.5	43.8
13 20	....	....	35.3
13 33	29.750	35.3	35.6
19 1 17	29.694	35.4	34.0
1 48	....	....	34.0
2 7	29.708	34.8	33.5
2 37	....	....	33.0
3 0	29.718	34.0	33.0
3 22	....	....	32.6
3 44	29.724	33.2	32.0
20 17 55	29.698	40.1	41.6
1 17	29.806	41.0	42.0
1 33	....	....	41.2
2 7	29.820	40.0	40.8
2 37	....	....	40.5
3 1	29.832	40.0	40.1
3 22	....	....	39.8
3 44	29.844	38.8	38.0
16 31	29.953	42.8	42.0
21 17 59	29.934	45.9	46.0
1 27	30.019	38.2	37.2

Micrometer bisections are made at II, VI, except as noted below.

1, 9, 22, 34. Bisections at II, III, V, VI.

8, 18, 20, 30. Bisections at $9^{r}.5$, $10^{r}.5$.

14, 16, 17, 37. Bisections at I, II, VI, VII.

24, 28, 39. Bisections at VI, VII.

27, 38. Bisections at I, II.

Note.

12–16, 24, 33, 40. Clouds.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+40 20.2	+14 50.2	...	+55 10.4
9	+36 42.2	+14 56.4	...	+51 38.6
22	+23 21.4	+15 30.8	...	+38 52.2
27	+ 7.9	−16 17.3	...	−16 9.4
28	+ 7.9	+16 17.2	...	+16 25.1
34	+18 45.6	+15 45.7	...	+34 31.3
37	+ 8.5	....	+ 0.5	+ 9.0
38	+ 7.9	+16 16.9	...	+16 24.8
39	+ 7.9	−16 16.8	...	−16 8.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Arietis	8	49 52.08	− 0.39	− **1.56**	341 24 12.75	45.620	+ 3.15	− 20.0	1 49 50.15	.....	+20 23 8.2	....
2	α Arietis	8	2 18.18	− 0.41	− **1.53**	344 4 13.85	45.805	+ 3.15	− 17.0	2 2 16.22	.....	+23 3 15.6	....
3	β Trianguli	8	4 24.00	− 0.53	− 1.55	355 36 13.35	44.035	+ 3.15	− 4.5	2 4 21.92	.....	+34 34 47.5	....
4	α Ceti	8	57 46.39	− 0.29	− **1.58**	324 46 13.82	46.318	+ 3.15	− 42.3	2 57 44.53	.....	+ 3 45 2.5	....
5	ο Tauri	8	20 10.46	− 0.31	− **1.58**	329 46 13.90	41.990	+ 3.15	− 35.0	3 20 8.57	.....	+ 8 43 31.2	....
6	Moon I, S	8	56 51.52	− 0.43	− 1.59	345 8 15.00	43.862	+ 3.15	− 15.9	3 56 49.50	+73.45	+24 6 37.8	....
7	Moon N	.	.. ..	....	....	345 40 12.22	45.545	+ 3.15	− 15.3	.. ..	.....	+24 39 7.0	....
	December 22, Ep.												
8	Moon I, N	8	1 14.59	− 0.45	− 2.09	348 34 16.72	45.656	+ 3.97	− 12.2	5 1 12.05	+76.56	+27 33 20.7	....
9	α Orionis	8	50 31.24	− 0.25	− **2.12**	328 26 16.68	42.290	+ 3.97	− 37.3	5 50 28.88	.....	+ 7 23 38.7	....
10	μ Geminorum	8	17 45.59	− 0.37	− **2.11**	343 34 17.42	46.785	+ 3.97	− 17.8	6 17 43.10	.....	+22 33 41.3	....
11	γ Geminorum	8	32 44.85	− 0.31	− **2.14**	337 30 18.18	44.202	+ 3.97	− 25.1	6 32 42.42	.....	+16 28 36.3	....
12	ε Geminorum	8	38 38.63	− 0.40	− **2.12**	346 14	......	....	. ....	6 38 36.11	.....	+25 13	....
13	ξ Geminorum	8	40 28.01	− 0.29	− **2.11**	334 0 14.75	47.020	+ 3.97	− 29.5	6 40 25.60	.....	+12 59 33.2	....
14	ζ Geminorum	8	59 0.71	− 0.35	− **2.12**	341 44 17.58	42.525	+ 3.97	− 20.0	6 58 58.23	.....	+20 42 2.9	....
15	Neptune C, C	8	48 29.29	− 0.35	− 2.15	341 36 17.62	46.109	+ 3.97	− 20.2	7 48 26.79	.....	+20 35 24.7	....
	December 23, Ep.												
16	Sun I, S	7	5 35.20	− 0.12	− 2.33	297 20 11.45	44.248	+ 3.15	−1 54.8	18 5 32.75	+71.11	−23 42 59.5	....
17	Sun II, N	8	7 57.43	− 0.12	− 2.33	297 52 12.28	45.462	+ 3.15	−1 52.2	18 7 54.98	−71.12	−23 10 29.0	....
	December 24, P.												
18	Sun I, S	8	10 2.02	− 0.13	− 2.72	297 20 17.32	46.402	+ 3.53	−1 54.5	18 9 59.17	+71.25	−23 42 3.8	....
19	Sun II, N	8	12 24.51	− 0.13	− 2.72	297 52 18.50	47.675	+ 3.53	−1 51.9	18 12 21.66	−71.24	−23 9 31.5	....
20	γ Piscium	8	12 41.81	− 0.20	− **2.82**	323 50 10.58	44.718	+ 3.66	− 43.7	23 12 38.81	.....	+ 2 48 22.2	....
21	ι Piscium	8	35 31.07	− 0.22	− **2.78**	326 10 9.22	47.012	+ 3.66	− 40.1	23 35 28.04	.....	+ 5 9 16.4	....
22	ω Piscium	8	54 53.29	− 0.22	− **2.80**	327 24 7.98	46.025	+ 3.66	− 38.3	23 54 50.26	.....	+ 6 22 55.1	....
23	α Andromedæ	8	3 55.96	− 0.43	− **2.82**	349 38 10.15	44.338	+ 3.66	− 10.9	0 3 52.71	.....	+28 36 45.4	....
24	γ Pegasi	8	8 48.02	− 0.28	− **2.83**	335 44 8.85	43.288	+ 3.66	− 27.0	0 8 44.92	.....	+14 42 4.4	....
25	θ Ceti	8	19 43.81	− 0.15	− **2.85**	312 24 10.15	44.818	+ 3.66	−1 5.5	1 19 40.82	.....	− 8 37 57.5	....
26	α Ursæ Minoris	8	29 2.14	−45.19	− 2.85	49 50 10.85	46.228	+ 3.66	+1 11.1	1 28 14.10	.....	+88 50 51.9	....
27	λ Geminorum	8	13 10.10	− 0.29	− **2.92**	337 44 14.28	42.780	+ 2.92	− 24.6	7 13 6.84	.....	+16 41 59.6	....
28	Moon II, N	8	21 55.48	− 0.41	− 2.97	348 14 12.05	44.322	+ 2.92	− 12.5	7 21 52.10	−77.71	+27 12 44.3	....
29	β Geminorum	8	40 4.32	− 0.42	− **2.89**	349 16 11.08	43.175	+ 2.92	− 11.4	7 40 0.93	.....	+28 14 18.2	....
30	Neptune C, C	8	48 17.38	− 0.33	− 2.98	341 38 11.30	42.600	+ 2.92	− 20.1	7 48 14.07	.....	+20 35 57.6	....
31	β Cancri	8	11 52.20	− 0.24	− **2.98**	330 28 10.10	46.942	+ 2.92	− 34.2	8 11 48.97	.....	+ 9 27 21.2	....
32	30 Monocerotis	8	21 23.03	− 0.16	− **3.06**	317 24 13.50	46.322	+ 2.92	− 55.6	8 21 19.88	.....	− 3 37 11.3	....
33	ε Hydræ	8	42 14.39	− 0.22	− **2.99**	327 46 12.82	44.508	+ 2.92	− 38.2	8 42 11.17	.....	+ 6 44 24.1	....
34	ζ Hydræ	8	50 51.98	− 0.21	− **3.07**	327 18 12.00	45.402	+ 2.92	− 38.9	8 50 48.77	.....	+ 6 16 43.6	....
	December 25, M.												
35	γ Geminorum	8	32 46.18	− 0.27	− **3.46**	337 30 8.72	44.628	+ 3.49	− 25.2	6 32 42.45	.....	+16 28 36.0	....
36	ε Geminorum	8	38 40.01	− 0.36	− **3.49**	346 14 7.98	45.800	+ 3.49	− 14.8	6 38 36.19	.....	+25 13 13.0	....
37	ζ Geminorum	8	59 2.09	− 0.31	− **3.48**	341 44 9.60	42.885	+ 3.49	− 20.1	6 58 58.31	.....	+20 42 2.6	....
38	λ Geminorum	8	13 10.61	− 0.27	− **3.43**	337 44 9.40	42.990	+ 3.49	− 24.9	7 13 6.87	.....	+16 41 59.8	....
39	ι Geminorum	8	20 24.77	− 0.39	− **3.50**	349 0 8.18	43.565	+ 3.49	− 11.8	7 20 20.90	.....	+27 58 24.2	....
40	Neptune C, C	8	48 11.34	− 0.31	− 3.49	341 38 8.62	43.458	+ 3.49	− 20.2	7 48 7.54	.....	+20 36 15.0	....
41	β Cancri	8	11 52.70	− 0.22	− **3 48**	330 28 9.10	46.988	+ 3.49	− 34.4	8 11 48.98	.....	+ 9 27 21.6	....
42	Moon II, S	8	29 0.79	− 0.35	− 3.50	344 16 7.85	44.299	+ 3.49	− 17.1	8 28 56.94	−75.50	+23 14 35.7	....
	December 26, M.												
43	Sun I, N	7	18 55.58	− 0.10	− 3.70	297 56 7.35	46.395	+ 3.57	−1 51.5	18 18 51.78	+71.24	−23 6 11.9	....
44	Sun II, S	8	21 18.07	− 0.10	− 3.70	297 24 6.10	45.105	+ 3.57	−1 54.0	18 21 14.27	−71.25	−23 38 44.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
21 1 50	......	....	36.8
2 7	30.033	37.1	35.9
2 58	30.048	36.1	34.9
3 20	......	....	34.8
3 58	30.076	35.3	33.9
22 5 1	30.038	29.6	28.9
5 51	30.032	28.7	28.9
6 18	......	....	28.9
6 33	30.020	28.4	29.2
6 59	30.010	28.3	28.9
7 48	30.010	27.6	27.1
23 18 8	29.956	36.7	36.2
24 8 12	29.546	32.2	30.8
23 11	29.686	31.5	30.0
23 38	......	....	30.0
23 57	......	....	30.0
0 11	29.720	30.5	30.0
1 18	......	....	31.1
1 33	29.778	30.5	32.0
7 11	29.904	30.0	31.0
7 22	......	....	30.0
7 50	29.930	29.6	29.0
8 13	......	....	28.9
8 24	......	....	28.0
8 53	29.950	28.5	28.3
25 6 33	30.110	30.7	29.5
6 59	......	....	29.3
7 20	30.100	30.7	28.9
7 48	......	....	29.1
8 29	30.120	30.3	28.8
26 18 21	29.998	38.0	38.7

Micrometer bisections are made at II, VI, except as noted below.

6, 16, 18, 43.	Bisections at I, II.
7, 17, 19, 44.	Bisections at VI, VII.
8, 28, 42.	Bisections at II, III, V, VI.
15, 30, 40.	Bisections at I, II, VI, VII.
25.	Bisections at II, VII.
26.	Bisections at $9^{r}.5$, $10^{r}.5$.

Notes.

1–5. Clouds.
25. Blurred.
30. Hazy.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+14 47.0	+15 58.7	...	+30 45.7
7	+14 14.8	−15 58.7	+ 0.4	− 1 43.5
8	+11 30.5	−16 13.6	...	− 4 43.1
15	+ 0.1	.. ....	...	+ 0.1
16	+ 7.9	+16 15.2	...	+16 23.1
17	+ 7.9	−16 15.3	...	−16 7.4
18	+ 7.9	+16 16.1	...	+16 24.0
19	+ 7.9	−16 16.2	...	−16 8.3
28	+12 3.4	−16 30.0	...	− 4 26.6
30	+ 0.1	.. ....	...	+ 0.1
40	+ 0.1	.. ....	...	+ 0.1
42	+16 8.8	+16 31.6	...	+32 40.4
43	+ 7.9	−16 16.3	...	−16 8.4
44	+ 7.9	+16 16.3	...	+16 24.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	December 27, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun N.	.	.. ..	.....	....	297 58 10.92	47.015	+ 3.86	−1 48.0	18 23	.....	−23 3 49.8	....
2	Sun S.	.	.. ..	.....	....	297 26 5.38	45.865	+ 3.86	−1 50.5	.. ..	.....	−23 36 24.0	....
3	Venus I, S.	8	23 29.61	− 0.16	− 4.33	303 44 11.30	43.625	+ 4.12	−1 26.6	21 23 25.12	+ 0.58	−17 18 45.2	....
4	β Ceti.	8	39 18.14	− 0.16	− **4.38**	302 34 13.00	45.880	+ 3.84	−1 31.4	0 39 13.59	.....	−18 27 57.5	....
5	β Andromedæ.	8	4 55.99	− 0.53	− 4.40	356 10 12.75	46.638	+ 3.84	− 3.9	1 4 51.06	.....	+35 9 47.8	....
6	θ Ceti.	8	19 45.31	− 0.18	− **4.35**	312 24 13.12	44.670	+ 3.84	−1 4.2	1 19 40.72	.....	− 8 37 56.4	....
7	η Piscium.	8	26 54.35	− 0.30	− **4.40**	335 56 12.70	42.828	+ 3.84	− 26.2	1 26 49.64	.....	+14 53 58.4	....
8	β Arietis.	8	49 54.84	− 0.35	− **4.42**	341 24 13.25	45.575	+ 3.84	− 19.7	1 49 50.07	.....	+20 23 8.7	....
9	α Arietis.	8	2 20.95	− 0.38	− **4.37**	344 4 13.70	45.795	+ 3.84	− 16.7	2 2 16.15	.....	+23 3 16.2	....
	December 27, Ep.												
10	ο Virginis.	8	0 51.81	− 0.27	− **4.76**	330 14 14.68	45.575	+ 3.77	− 34.1	12 0 46.80	.....	+ 9 12 55.3	....
11	η Virginis.	8	15 32.16	− 0.22	− **4.76**	320 50 14.30	46.430	+ 3.77	− 48.6	12 15 27.20	.....	− 0 11 0.1	....
12	δ Virginis.	8	51 18.01	− 0.24	− **4.80**	324 54 15.40	43.890	+ 3.77	− 42.0	12 51 13.01	.....	+ 3 52 9.6	....
13	ε Virginis.	8	57 55.61	− 0.28	− **4.79**	332 26 16.18	46.942	+ 3.77	− 31.2	12 57 50.57	.....	+11 25 30.7	....
14	α Virginis.	8	20 40.87	− 0.18	− **4.79**	310 20 14.72	43.608	+ 3.77	−1 10.5	13 20 35.92	.....	−10 42 26.1	....
15	α Ursæ Minoris s. p.	8	27 32.99	+43.85	− 4.77	52 8 14.58	46.548	+ 3.77	+1 17.3	1 28 12.07	.....	+88 50 50.8	....
16	Mercury II, C.	8	52 46.79	− 0.15	− 4.83	300 26 12.90	46.774	+ 3.23	−1 40.5	16 52 41.81	− 0.23	−20 35 45.6	....
	December 28, Ep.												
17	Sun I, N.	8	27 49.42	− 0.16	− 4.86	298 2 9.82	44.055	+ 3.74	−1 49.8	18 27 44.40	+71.12	−23 1 1.0	....
18	Sun II, S.	8	30 11.65	− 0.16	− 4.86	297 30 11.12	42.632	+ 3.74	−1 52.4	18 30 6.63	−71.11	−23 33 34.1	....
19	Venus I, S.	8	28 10.19	− 0.18	− 4.92	304 8 10.55	42.911	+ 3.59	−1 25.8	21 28 5.09	+ 0.58	−16 55 1.3	....
20	ι Piscium.	8	35 33.18	− 0.22	− **4.93**	326 10 10.62	46.908	+ 3.68	− 39.3	23 35 28.01	.....	+ 5 9 16.2	....
21	ω Piscium.	8	54 55.39	− 0.23	− **4.93**	327 24 9.22	45.885	+ 3.68	− 37.5	23 54 50.20	.....	+ 6 22 54.0	....
22	α Andromedæ.	8	3 58.02	− 0.42	− **4.94**	349 38 10.40	44.290	+ 3.68	− 10.7	0 3 52.64	.....	+28 36 44.8	....
23	γ Pegasi.	8	8 50.17	− 0.28	− **5.02**	335 44 8.92	43.235	+ 3.68	− 26.4	0 8 44.92	.....	+14 42 3.9	....
24	ι Ceti.	8	15 4.81	− 0.17	− **4.98**	311 44 9.60	43.602	+ 3.68	−1 5.7	0 14 59.67	.....	− 9 18 26.2	....
25	β Ceti.	8	39 18.76	− 0.15	− **5.02**	302 34 11.68	45.962	+ 3.68	−1 31.6	0 39 13.63	.....	−18 27 57.3	....
26	θ Ceti.	8	19 45.94	− 0.17	− **5.00**	312 24 10.90	44.748	+ 3.68	−1 4.4	1 19 40.78	.....	− 8 37 57.2	....
27	α Ursæ Minoris.	8	28 57.33	−41.67	− 4.99	49 50 10.82	46.298	+ 3.68	+1 10.0	1 28 10.67	.....	+88 50 52.4	....
	December 28, P.												
28	Neptune C, C.	8	47 53.18	− 0.39	− 5.01	341 38 10.88	45.621	+ 3.51	− 19.8	7 47 47.78	.....	+20 37 7.2	....
29	β Cancri.	8	11 54.38	− 0.29	− **5.02**	330 28 10.82	46.882	+ 3.51	− 33.9	8 11 49.07	.....	+ 9 27 21.4	....
30	ζ Hydræ.	8	50 54.08	− 0.26	− **5.02**	327 18 11.60	45.395	+ 3.51	− 38.6	8 50 48.78	.....	+ 6 16 44.0	....
31	α Hydræ.	8	23 24.80	− 0.19	− **5.04**	312 44 12.90	47.935	+ 3.51	−1 5.0	9 23 19.56	.....	− 8 16 43.3	....
32	ε Leonis.	8	41 1.48	− 0.40	− **5.06**	345 12 10.62	43.865	+ 3.51	− 15.9	9 40 56.03	.....	+24 10 30.5	....
33	ζ Leonis.	8	11 57.62	− 0.39	− **5.05**	344 52 13.50	45.135	+ 3.51	− 16.2	10 11 52.17	.....	+23 51 2.2	....
34	ν Hydræ.	8	45 25.48	− 0.15	− 5.08	305 18 10.58	45.125	+ 3.51	−1 24.6	10 45 20.25	.....	−15 44 9.6	....
35	Moon II, S.	8	23 0.92	− 0.24	− 5.10	326 6 11.98	44.236	+ 3.51	− 40.4	11 22 55.58	−67.57	+ 5 4 15.2	....
	December 30, P.												
36	β Virginis.	8	46 16.40	− 0.27	− **6.12**	323 16 12.00	47.120	+ 3.54	− 44.3	11 46 10.04	.....	+ 2 15 17.6	....
37	ο Virginis.	8	0 53.24	− 0.31	− **6.05**	330 14 15.80	45.500	+ 3.54	− 33.9	12 0 46.84	.....	+ 9 12 54.6	....
38	η Virginis.	8	15 33.63	− 0.26	− **6.08**	320 50 11.22	46.540	+ 3.54	− 48.4	12 15 27.27	.....	− 0 11 0.7	....
39	δ Virginis.	8	51 19.44	− 0.28	− **6.09**	324 54 11.45	44.058	+ 3.54	− 41.9	12 51 13.05	.....	+ 3 52 9.3	....
40	ε Virginis.	8	57 57.07	− 0.32	− **6.11**	332 26 12.20	47.078	+ 3.54	− 31.1	12 57 50.64	.....	+11 25 29.7	....
41	Moon II, S.	8	4 34.82	− 0.23	− 6.11	312 22 12.10	45.930	+ 3.54	−1 5.3	13 4 28.48	−66.25	− 8 39 30.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
27 18 25	29.267	40.8	41.0
21 26	29.298	40.0	38.8
0 37	29.406	37.0	36.0
1 7	......	....	35.7
1 22	......	....	35.2
1 29	29.418	36.0	35.3
1 48	......	....	35.1
2 4	29.426	35.6	35.1
12 1	29.717	32.2	31.5
12 16	......	....	31.7
12 51	29.738	31.6	30.9
13 21	......	....	30.6
13 28	29.746	31.2	....
16 53	29.765	36.7	35.7
28 18 30	29.744	40.0	39.9
21 28	29.768	43.7	44.0
23 36	29.812	41.4	41.3
23 55	......	....	41.0
0 10	29.818	40.1	41.5
0 39	29.831	39.9	41.5
1 20	......	....	40.2
1 29	29.836	39.3	....
7 45	29.884	33.8	33.0
8 14	......	....	32.9
8 52	29.902	32.2	31.4
9 25	......	....	31.0
9 43	29.906	31.2	31.0
10 14	......	....	31.6
10 47	29.900	31.6	32.0
11 23	29.902	31.5	31.0
30 11 40	29.778	35.3	35.0
12 3	......	....	35.0
12 17	29.780	35.8	34.3
12 49	29.780	35.0	33.0
13 5	......	....	33.0

Micrometer bisections are made at II, VI, except as noted below.

1, 17.	Bisections at I, II.
2, 18.	Bisections at VI, VII.
3, 16, 19, 28.	Bisections at I, II, VI, VII.
15, 27.	Bisections at $9^{r}.5$, $10^{r}.5$.
34.	Bisections at II, VII.
35, 41.	Bisections at II, III, V, VI.

Notes.

6, 8.	Clouds.
20–27.	Conditions poor.
36.	Fuzzy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 7.9	−16 17.1	...	−16 9.2
2	+ 7.9	+16 17.1	...	+16 25.0
3	+ 7.0	+ 8.3	...	+ 15.3
16	+ 7.4	.. ....	+0.2	+ 7.6
17	+ 7.9	−16 16.5	...	−16 8.6
18	+ 7.9	+16 16.6	...	+16 24.5
19	+ 7.1	+ 8.3	...	+ 15.4
28	+ 0.1	.. ....	...	+ 0.1
35	+32 53.3	+16 13.0	...	+49 6.3
41	+42 42.8	+15 51.6	...	+58 34.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Virginis	8	20 42.38	− 0.22	− **6.16**	310 20 10.65	43.800	+ 3.54	−1 10.3	13 20 36.04	.....	−10 42 25.8	....
2	α Ursæ Minoris S. P.	7	27 32.54	+42.62	− 6.12	52 8 11.85	46.660	+ 3.54	+1 17.1	1 28 9.04	.....	+88 50 51.4	....
	January 1, Ep.												
3	ο Virginis	8	0 54.46	− 0.27	− **7.31**	330 14 9.50	45.802	+ 2.92	− 34.2	12 0 46.93	.....	+ 9 12 54.3	....
4	η Virginis	8	15 34.81	− 0.23	− **7.23**	320 50 9.05	46.648	+ 2.92	− 48.7	12 15 27.32	.....	− 0 11 1.3	....
5	δ Virginis	8	51 20.66	− 0.24	− **7.28**	324 54 17.90	43.778	+ 2.92	− 42.1	12 51 13.15	.....	+ 3 52 8.6	....
6	ε Virginis	8	57 58.28	− 0.28	− **7.29**	332 26 18.92	46.798	+ 2.92	− 31.3	12 57 50.72	.....	+11 25 29.2	....
7	α Virginis	8	20 43.52	− 0.20	− **7.25**	310 20 13.35	43.670	+ 2.92	−1 10.6	13 20 36.04	.....	−10 42 27.0	....
8	α Ursæ Minoris S. P.	8	27 31.44	+40.34	− 7.29	52 8 13.60	46.585	+ 2.92	+1 17.4	1 28 4.49	.....	+88 50 51.7	....
9	η Boötis	8	50 39.83	− 0.34	− **7.29**	339 52 14.25	42.228	+ 2.92	− 22.0	13 50 32.20	.....	+18 49 49.7	....
10	Moon II	8	47 33.37	− 0.19	− 7.31	300 58	......	....	. ....	14 47 25.87	−68.17	.. ..	....
11	Mercury II, C	8	16 52.25	− 0.15	− 7.34	299 12 13.20	44.909	+ 3.09	−1 45.2	17 16 44.76	− 0.21	−21 50 33.7	....
	January 2, Ep.												
12	Sun I, S	8	49 59.52	− 0.15	− 7.38	297 50 10.32	45.545	+ 3.16	−1 49.8	18 49 51.99	+70.89	−23 12 26.4	....
13	Sun II, N	8	52 21.31	− 0.15	− 7.38	298 22 10.05	46.932	+ 3.16	−1 47.3	18 52 13.78	−70.90	−22 39 53.3	....
	January 3, P.												
14	β Geminorum	8	40 9.69	− 0.47	− **7.99**	349 16 8.70	43.265	+ 2.80	− 11.0	7 40 1.22	.....	+28 14 18.1	....
15	Neptune C, C	8	47 15.24	− 0.39	− 8.00	341 40 9.62	45.120	+ 2.80	− 19.2	7 47 6.85	.....	+20 38 54.0	....
16	β Cancri	8	11 57.52	− 0.31	− **8.01**	330 28 9.88	46.900	+ 2.80	− 32.9	8 11 49.20	.....	+ 9 27 21.2	....
17	30 Monocerotis	8	21 28.30	− 0.25	− **8.02**	317 24 8.78	46.400	+ 2.80	− 53.5	8 21 20.04	.....	− 3 37 12.3	....
18	ε Hydræ	8	42 19.71	− 0.30	− **7.99**	327 46 9.78	44.575	+ 2.80	− 36.7	8 42 11.39	.....	+ 6 44 23.9	....
19	ρ Hydræ	8	50 57.28	− 0.29	− **8.04**	327 18 9.42	45.428	+ 2.80	− 37.4	8 50 48.97	.....	+ 6 16 43.0	....
20	θ Hydræ	8	9 59.76	− 0.28	− **8.05**	323 42 11.40	46.298	+ 2.80	− 42.8	9 9 51.45	.....	+ 2 40 59.3	....
21	Mercury C, C	8	27 41.49	− 0.19	− 8.17	298 46 11.05	42.268	+ 2.94	−1 46.5	17 27 33.13	− 0.04	−22 17 37.7	....
	January 4, P.												
22	Sun I, S	8	58 49.26	− 0.20	− 8.21	298 2 7.82	44.668	+ 3.60	−1 49.0	18 58 40.85	+70.92	−23 0 48.3	....
23	Sun II, N	8	1 11.10	− 0.20	− 8.21	298 34 8.95	46.098	+ 3.60	−1 46.6	19 1 2.69	−70.92	−22 28 12.3	....
24	Venus I, S	8	0 6.54	− 0.19	− 8.27	307 4 11.90	45.918	+ 3.36	−1 16.2	21 59 58.08	+ 0.60	−13 57 42.4	....
25	ω Piscium	8	54 58.71	− 0.25	− **8.30**	327 24 12.12	45.728	+ 3.44	− 37.1	23 54 50.18	.....	+ 6 22 53.4	....
26	α Andromedæ	8	4 1.27	− 0.42	− **8.28**	349 38 11.75	44.212	+ 3.44	− 10.6	0 3 52.57	.....	+28 36 44.2	....
27	γ Pegasi	8	8 53.41	− 0.30	− **8.31**	335 44 10.58	43.118	+ 3.44	− 26.2	0 8 44.83	.....	+14 42 2.8	....
28	β Ceti	8	39 21.96	− 0.18	− **8.27**	302 34 12.15	45.870	+ 3.44	−1 30.8	0 39 13.48	.....	−18 27 58.4	....
29	θ Ceti	8	19 49.18	− 0.19	− **8.29**	312 24 11.15	44.705	+ 3.44	−1 3.8	1 19 40.68	.....	− 8 37 57.6	....
30	α Ursæ Minoris	7	28 49.45	−39.47	− 8.31	49 50 11.82	46.292	+ 3.44	+1 9.4	1 28 1.67	.....	+88 50 52.4	....
31	β Arietis	8	49 58.66	− 0.34	− **8.32**	341 24 12.82	45.590	+ 3.44	− 19.6	1 49 50.00	.....	+20 23 8.3	....
	January 6, M.												
32	Sun I, S	8	7 37.54	− 0.14	− 9.09	298 16 9.42	43.340	+ 3.10	−1 48.8	19 7 28.31	+70.73	−22 47 17.4	....
33	Sun II, N	8	9 59.01	− 0.14	− 9.09	298 48 9.05	44.658	+ 3.10	−1 46.4	19 9 49.78	−70.74	−22 14 44.5	....
	January 7, P.												
34	μ Geminorum	8	17 53.64	− 0.48	− **9.86**	343 34 10.32	46.958	+ 5.24	− 16.5	6 17 43.30	.....	+22 33 40.7	....
35	γ Geminorum	8	32 52.91	− 0.43	− **9.88**	337 30 9.95	44.392	+ 5.10	− 23.3	6 32 42.61	.....	+16 28 35.4	....
36	ε Geminorum	8	38 46.69	− 0.50	− **9.85**	346 14 9.70	45.618	+ 5.04	− 13.7	6 38 36.32	.....	+25 13 13.2	....
37	ξ Geminorum	8	40 36.11	− 0.41	− **9.88**	334 0 10.80	47.008	+ 5.02	− 27.4	6 40 25.83	.....	+12 59 32.1	....
38	ζ Geminorum	8	59 8.83	− 0.46	− **9.87**	341 44 10.48	42.700	+ 4.84	− 18.5	6 58 58.49	.....	+20 42 2.1	....
39	λ Geminorum	8	13 17.45	− 0.43	− **9.90**	337 44 13.75	42.645	+ 4.71	− 23.0	7 13 7.14	.....	+16 41 59.4	....
	January 8, M.												
40	η Virginis	8	15 38.28	− 0.28	**−10.41**	320 50 5.08	46.698	+ 5.80	− 50.2	12 15 27.55	.....	− 0 11 2.7	....
41	δ Virginis	8	51 24.15	− 0.29	**−10.48**	324 54 6.02	44.165	+ 5.80	− 43.4	12 51 13.40	.....	+ 3 52 7.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
30 13 32	29.788	34.0	32.2
1 12 1	29.936	35.2	34.5
12 16	......	....	33.9
12 51	......	....	33.3
12 58	29.936	34.1	....
13 21	......	....	32.8
13 28	29.934	33.3	....
13 51	29.932	33.0	32.2
17 17	29.912	40.5	40.1
2 18 52	29.838	44.5	45.4
3 7 38	29.052	34.9	34.0
7 49	......	....	33.9
8 14	......	....	33.4
8 23	29.076	34.0	33.2
8 45	......	....	33.0
9 11	29.132	33.5	33.0
17 28	29.550	39.1	37.2
4 19 1	29.551	41.4	40.4
22 2	29.600	46.2	46.0
23 52	29.640	45.0	44.1
0 20	......	....	43.3
0 37	29.650	44.2	43.0
1 22	......	....	41.9
1 33	......	....	41.6
1 52	29.678	42.8	41.0
6 19 10	30.138	46.0	46.3
7 6 15	29.740	61.8	60.9
6 42	29.738	61.9	61.1
7 1	......	....	60.9
7 15	29.722	61.1	60.5
8 12 16	30.324	27.7	25.4
12 51	......	....	24.8

Micrometer bisections are made at II, VI, except as noted below.

	r r
2, 8, 30.	Bisections at 9.5, 10.5.
11, 15, 21, 24.	Bisections at I, II, VI, VII.
12, 22, 32.	Bisections at I, II.
13, 23, 33.	Bisections at VI, VII.
38.	Bisections at II, VII.

Notes.

6–9. Conditions poor.

16. Diffuse.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+ 6.9	.. ....	+0.1	+ 7.0
12	+ 7.9	+16 16.5	...	+16 24.4
13	+ 7.8	−16 16.5	...	−16 8.7
15	+ 0.1	.. ....	...	+ 0.1
21	+ 6.6	.. ....	+0.1	+ 6.7
22	+ 7.9	+16 18.0	...	+16 25.9
23	+ 7.8	−16 17.9	...	−16 10.1
24	+ 7.1	+ 8.8	...	+ 15.9
32	+ 7.9	+16 16.4	...	+16 24.3
33	+ 7.8	−16 16.4	...	−16 8.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Virginis	8	58 1.78	− 0.34	**−10.48**	332 26 8.60	47.125	+ 5.80	− 32.3	12 57 50.98	.....	+11 25 28.2	....
2	α Virginis	8	20 46.95	− 0.21	**−10.42**	310 20 8.78	43.808	+ 5.80	−1 12.9	13 20 36.27	.....	−10 42 27.8	....
3	α Ursæ Minoris s. p.	8	27 22.25	+45.66	−10.47	52 8 8.05	46.530	+ 5.80	+1 20.0	1 27 57.44	.....	+88 50 52.9	....
4	η Boötis	8	50 43.37	− 0.39	**−10.54**	339 52 9.75	42.250	+ 5.80	− 22.7	13 50 32.50	.....	+18 49 47.8	....
	January 9, M.												
5	Sun I, N	8	20 46.27	− 0.09	−10.58	299 12 3.58	43.897	+ 5.45	−1 49.4	19 20 35.60	+70.58	−21 51 8.2	....
6	Sun II, S	8	23 7.44	− 0.09	−10.58	298 40 5.22	42.440	+ 5.45	−1 51.8	19 22 56.77	−70.59	−22 23 42.7	....
7	Venus I, S	8	22 7.06	− 0.11	−10.64	309 22 2.38	42.965	+ 5.19	−1 14.2	22 21 56.31	+ 0.62	−11 40 55.5	....
8	β Ceti	8	39 24.16	− 0.06	**−10.65**	302 34 2.82	46.480	+ 5.31	−1 35.7	0 39 13.43	.....	−18 27 56.8	....
9	B. D.+87°9	8	2 33.82	−23.79	−10.68	48 48 4.15	45.575	+ 5.31	+1 10.4	1 1 59.35	+15.72	+87 48 31.6	−22.5
10	θ Ceti	8	19 51.40	− 0.09	**−10.67**	312 24 2.08	45.198	+ 5.31	−1 7.3	1 19 40.62	.....	− 8 37 57.0	....
11	α Ursæ Minoris	8	28 56.32	−45.68	−10.69	49 50 5.38	46.362	+ 5.31	+1 13.1	1 27 59.95	.....	+88 50 53.1	....
12	β Arietis	8	50 0.96	− 0.28	**−10.74**	341 24 4.82	45.915	+ 5.31	− 20.7	1 49 49.98	.....	+20 23 8.5	....
13	α Arietis	8	2 27.10	− 0.31	**−10.72**	344 4 6.75	46.060	+ 5.31	− 17.5	2 2 16.09	.....	+23 3 15.9	....
14	δ Ceti	8	35 12.62	− 0.11	**−10.69**	321 0 6.95	42.240	+ 5.31	− 49.9	2 35 1.80	.....	− 0 2 43.1	....
15	α Ceti	7	57 55.29	− 0.13	**−10.75**	324 46 10.50	46.400	+ 5.31	− 43.5	2 57 44.44	.....	+ 3 45 2.0	....
16	57 B. Ursæ Minoris s. p.	8	4 39.69	+22.30	−10.72	53 26 7.50	44.315	+ 5.31	+1 23.3	15 4 51.27	.....	+87 33 41.7	....
	January 9, Ep.												
17	Neptune C, C	8	46 36.05	− 0.25	−11.00	341 42 5.00	44.834	+ 5.28	− 20.3	7 46 24.80	.....	+20 40 44.1	....
18	β Cancri	8	12 0.44	− 0.14	**−10.99**	330 28	......	....	. ....	8 11 49.30	.....	+ 9 27	....
19	30 Monocerotis	7	21 31.21	− 0.06	**−11.01**	317 24	......	....	. ....	8 21 20.14	.....	− 3 37	....
20	ε Hydræ	8	42 22.70	− 0.12	**−11.03**	327 46 3.70	44.752	+ 5.28	− 38.8	8 42 11.57	.....	+ 6 44 22.3	....
21	ζ Hydræ	8	51 0.21	− 0.12	**−11.01**	327 18 5.12	45.525	+ 5.28	− 39.4	8 50 49.07	.....	+ 6 16 41.4	....
22	θ Hydræ	8	10 2.69	− 0.09	**−11.02**	323 42 4.10	46.548	+ 5.28	− 45.1	9 9 51.58	.....	+ 2 40 57.9	....
23	40 Lyncis	8	15 58.78	− 0.45	−11.03	355 46 3.88	46.552	+ 5.28	− 4.5	9 15 47.30	.....	+34 45 37.5	....
24	α Hydræ	8	23 30.91	− 0.03	**−11.01**	312 44 4.32	48.145	+ 5.28	−1 6.4	9 23 19.85	.....	− 8 16 46.7	....
	January 11, P.												
25	Sun I, N	8	29 29.68	− 0.02	−11.60	299 28 7.58	48.048	+ 4.03	−1 39.9	19 29 18.06	+70.42	−21 33 20.5	....
26	Sun II, S	8	31 50.51	− 0.02	−11.60	298 56 5.85	46.838	+ 4.03	−1 42.1	19 31 38.89	−70.41	−22 5 53.2	....
27	β Andromedæ	8	5 2.93	− 0.30	−11.69	356 10 7.78	46.740	+ 4.96	− 3.7	1 4 50.94	.....	+35 9 46.4	....
28	θ Ceti	8	19 52.37	− 0.06	**−11.69**	312 24 9.50	44.592	+ 4.96	−1 1.9	1 19 40.61	.....	− 8 37 58.4	....
29	η Piscium	8	27 1.32	− 0.13	**−11.70**	335 56 9.45	42.848	+ 4.96	− 25.3	1 26 49.49	.....	+14 53 57.6	....
30	β Arietis	8	50 1.79	− 0.16	**−11.71**	341 24 8.90	45.652	+ 4.96	− 19.0	1 49 49.92	.....	+20 23 7.9	....
31	α Arietis	8	2 27.94	− 0.18	**−11.71**	344 4 12.65	45.720	+ 4.96	− 16.1	2 2 16.05	.....	+23 3 15.1	....
32	β Trianguli	8	4 33.74	− 0.29	−11.71	355 36 10.35	44.098	+ 4.96	− 4.3	2 4 21.74	.....	+34 34 47.9	....
	January 13, M.												
33	Sun I, N	8	38 10.21	− 0.03	−12.48	299 48 8.18	47.138	+ 7.05	−1 46.4	19 37 57.70	+70.31	−21 13 44.0	....
34	Sun II, S	8	40 30.83	− 0.03	−12.48	299 16 9.70	45.785	+ 7.05	−1 48.7	19 40 18.32	−70.31	−21 46 16.9	....
35	Venus I, S	8	39 15.58	− 0.07	−12.54	311 16 7.85	42.835	+ 6.60	−1 9.4	22 39 2.97	+ 0.63	− 9 46 46.3	....
36	Moon I, S	8	12 43.89	− 0.13	−12.56	321 28 7.18	43.751	+ 6.68	− 48.7	0 12 31.20	+61.42	+ 0 25 54.5	....
37	β Ceti	8	39 26.02	− 0.04	**−12.57**	302 34 10.18	46.040	+ 6.62	−1 35.6	0 39 13.41	.....	−18 27 57.1	....
38	B. D.+87°9	8	2 32.20	−24.43	−12.58	48 48 9.30	45.295	+ 6.53	+1 10.2	1 1 55.19	+18.19	+87 48 31.4	−22.5
39	θ Ceti	8	19 53.22	− 0.08	**−15.54**	312 24 10.82	44.732	+ 6.46	−1 7.1	1 19 40.55	.....	− 8 37 57.6	....
40	α Ursæ Minoris	8	28 52.56	−46.88	−12.59	49 50 10.82	46.080	+ 6.43	+1 12.9	1 27 53.09	.....	+88 50 53.0	....
41	β Arietis	8	50 2.78	− 0.30	**−12.58**	341 24 9.65	45.615	+ 6.35	− 20.6	1 49 49.88	.....	+20 23 7.6	....
42	α Arietis	8	2 28.93	− 0.33	**−12.58**	344 4 10.78	45.815	+ 6.30	− 17.5	2 2 16.00	.....	+23 3 15.4	....
43	δ Ceti	8	35 14.49	− 0.12	**−12.59**	321 0 12.60	41.948	+ 6.17	− 49.8	2 35 1.76	.....	− 0 2 43.1	....
44	B. D.+87°23	8	59 41.43	−29.86	−12.62	49 12 9.58	44.145	+ 6.12	+1 11.4	2 58 58.95	− 4.08	+88 12 5.8	−24.8
45	57 B. Ursæ Minoris s. p.	7	4 44.53	+22.83	−12.62	53 26 9.88	44.202	+ 6.12	+1 23.1	15 4 54.74	.....	+87 33 41.2	....
46	o Tauri	8	20 21.25	− 0.19	**−12.61**	329 46 11.70	42.010	+ 6.12	− 35.8	3 20 8.43	.....	+ 8 43 31.6	....
	January 13, P.												
47	δ Virginis	8	51 26.53	− 0.07	**−12.91**	324 54 11.25	43.872	+ 6.11	− 43.4	12 51 13.57	.....	+ 3 52 5.9	....
48	ε Virginis	8	58 4.16	− 0.13	**−12.90**	332 26 13.52	46.830	+ 6.13	− 32.2	12 57 51.14	.....	+11 25 26.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
8 13 21	......	....	24.3
13 51	30.370	26.3	23.8
9 19 23	30.420	32.0	30.0
22 22	30.410	33.8	32.8
0 39	30.400	30.8	29.7
1 20	......	....	28.4
1 50	30.394	28.7	27.9
3 5	30.380	27.7	27.2
7 47	30.300	27.3	26.2
8 42	30.300	28.0	26.9
9 10	......	....	26.5
9 24	30.272	27.6	26.5
11 19 32	29.818	55.8	58.3
1 3	29.776	59.0	58.9
1 29	......	....	58.0
1 53	......	....	58.0
2 6	29.768	58.0	58.0
13 19 41	30.394	33.2	31.0
22 39	30.332	33.5	31.8
0 13	30.304	30.7	29.3
0 39	......	....	29.1
1 20	......	....	28.5
1 50	30.320	28.8	....
2 2	......	....	28.0
3 20	30.316	27.8	27.1
12 49	30.300	26.2	24.9
13 0	......	....	24.5

Micrometer bisections are made at II, VI, except as noted below.

3, 9, 11, 16, 38, 40, 44.	Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
5.	Bisections at I, II, III.
6.	Bisections at V, VI, VII.
7, 17, 35.	Bisections at I, II, VI, VII.
25, 33.	Bisections at I, II.
26, 34.	Bisections at VI, VII.
36.	Bisections at II, III, V, VI.
45.	Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.

Notes.

18, 19, 24.	Clouds.
22–24.	Degrees and minutes of circle reading assumed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
5	+ 7.8	−16 17.2	...	−16 9.4
6	+ 7.8	+16 17.3	...	+16 25.1
7	+ 7.2	+ 9.1	...	+ 16.3
17	+ 0.1	.. ....	...	+ 0.1
25	+ 7.8	−16 16.3	...	−16 8.5
26	+ 7.8	+16 16.4	...	+16 24.2
33	+ 7.7	−16 16.4	...	−16 8.7
34	+ 7.8	+16 16.4	...	+16 24.2
35	+ 7.2	+ 9.3	...	+ 16.5
36	+33 47.3	+14 54.1	...	+48 41.4

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Virginis	8	20 49.39	+ 0.01	**−12.91**	310 20 11.60	43.618	+ 6.21	−1 12.8	13 20 36.50	.....	−10 42 28.8	....
2	α Ursæ Minoris S. P.	8	27 16.81	−48.21	−12.90	52 8 11.35	46.398	+ 6.23	+1 19.9	1 27 52.12	.....	+88 50 52.3	....
3	η Boötis	8	50 45.72	− 0.19	**−12.92**	339 52 10.00	42.210	+ 6.31	− 22.7	13 50 32.62	.....	+18 49 47.7	....
4	α Boötis	8	11 54.71	− 0.19	**−12.98**	340 40 12.12	42.230	+ 6.39	− 21.7	14 11 41.61	.....	+19 37 51.7	....
5	ρ Boötis	8	28 17.99	− 0.34	−12.92	351 46 9.65	44.525	+ 6.44	− 8.9	14 28 4.73	.....	+30 44 53.6	....
	January 14, P.												
6	Sun I, S	8	42 29.76	+ 0.12	−13.02	299 26 8.48	46.805	+ 5.76	−1 47.4	19 42 16.86	+70.23	−21 35 54.2	....
7	Sun II, N	8	44 50.22	+ 0.12	−13.02	299 58 8.75	48.182	+ 5.76	−1 45.0	19 44 37.32	−70.23	−21 3 19.7	....
8	Moon I, S	8	56 42.36	− 0.01	−13.12	327 24 10.92	43.980	+ 5.74	− 38.8	0 56 29.23	+62.53	+ 6 22 12.9	....
9	B. D. +87°9	8	2 32.38	−23.60	−13.12	48 48 10.10	45.382	+ 5.74	+1 9.5	1 1 55.66	+18.74	+87 48 32.7	−22.5
10	θ Ceti	8	19 53.65	+ 0.08	**−13.14**	312 24 10.62	44.715	+ 5.74	−1 6.4	1 19 40.60	.....	− 8 37 58.2	....
11	α Ursæ Minoris	8	28 51.88	−45.44	−13.13	49 50 11.45	46.132	+ 5.74	+1 12.2	1 27 53.31	.....	+88 50 53.4	....
12	β Arietis	8	50 3.16	− 0.13	**−13.15**	341 24 10.18	45.630	+ 5.74	− 20.4	1 49 49.89	.....	+20 23 8.1	....
13	α Arietis	8	2 29.32	− 0.16	**−13.15**	344 4 12.60	45.758	+ 5.74	− 17.3	2 2 16.02	.....	+23 3 15.5	....
14	β Trianguli	8	4 35.12	− 0.33	−13.14	355 36 10.78	44.075	+ 5.74	− 4.6	2 4 21.65	.....	+34 34 48.3	....
15	δ Ceti	8	35 14.88	+ 0.04	**−13.15**	321 0 10.48	42.022	+ 5.74	− 49.3	2 35 1.77	.....	− 0 2 43.5	....
16	B. D.+87°23	8	59 40.93	−28.88	−13.16	49 12 13.22	44.045	+ 5.74	+1 10.9	2 58 58.89	− 3.47	+88 12 6.3	−24.9
17	57 B. Ursæ Minoris S. P.	8	4 45.57	+22.37	−13.16	53 26 11.92	44.195	+ 5.74	+1 22.4	15 4 54.78	.....	+87 33 40.5	....
18	ο Tauri	8	20 21.61	− 0.02	**−13.15**	329 46 11.45	42.010	+ 5.74	− 35.6	3 20 8.42	.....	+ 8 43 31.1	....
	January 14, Ep.												
19	Neptune C, C	8	46 2.84	− 0.16	−13.37	341 44 16.32	43.168	+ 5.68	− 20.3	7 45 49.31	.....	+20 42 17.7	....
20	30 Monocerotis	8	21 33.58	− 0.01	**−13.35**	317 24 14.95	46.000	+ 5.68	− 56.5	8 21 20.19	.....	− 3 37 15.4	....
21	ε Hydræ	8	42 25.08	− 0.04	**−13.40**	327 46 15.40	44.190	+ 5.68	− 38.8	8 42 11.65	.....	+ 6 44 21.5	....
22	ζ Hydræ	8	51 2.58	− 0.03	**−13.37**	327 18 15.62	45.040	+ 5.68	− 39.5	8 50 49.16	.....	+ 6 16 41.1	....
23	θ Hydræ	8	10 5.09	− 0.01	**−13.40**	323 42 14.88	46.045	+ 5.68	− 45.2	9 9 51.68	.....	+ 2 40 57.4	....
24	40 Lyncis	8	16 1.22	− 0.37	−13.40	355 46 16.58	46.012	+ 5.68	− 4.5	9 15 47.45	.....	+34 45 38.2	....
25	α Hydræ	8	23 33.32	+ 0.06	**−13.41**	312 44 15.05	47.630	+ 5.68	−1 6.5	9 23 19.98	.....	− 8 16 47.4	....
	January 15, Ep.												
26	Sun I, N	8	46 48.56	+ 0.17	−13.60	300 10 9.50	44.908	+ 5.56	−1 42.3	19 46 35.13	+69.99	−20 52 30.9	....
27	Sun II, S	8	49 8.53	+ 0.17	−13.60	299 38 8.80	43.602	+ 5.56	−1 44.5	19 48 55.10	−69.98	−21 25 4.2	....
28	B. D.+87°9	8	2 30.08	−21.58	−13.69	48 48 8.28	45.510	+ 5.88	+1 7.7	1 1 54.81	+19.26	+87 48 32.1	−22.5
29	θ Ceti	8	19 54.22	+ 0.07	**−13.71**	312 24 6.25	44.810	+ 5.88	−1 4.6	1 19 40.59	.....	− 8 37 58.5	....
30	α Ursæ Minoris	8	28 46.44	−41.58	−13.70	49 50 7.88	46.372	+ 5.88	+1 10.3	1 27 51.16	.....	+88 50 53.6	....
31	Moon I, S	8	42 50.30	− 0.05	−13.71	333 12 7.35	44.091	+ 5.88	− 29.9	1 42 36.54	+64.56	+12 10 20.4	....
32	β Arietis	8	50 3.70	− 0.11	**−13.72**	341 24 5.82	45.780	+ 5.88	− 19.9	1 49 49.88	.....	+20 23 7.8	....
33	α Arietis	8	2 29.84	− 0.14	**−13.70**	344 4 7.52	45.935	+ 5.88	− 16.9	2 2 15.99	.....	+23 3 15.0	....
34	β Trianguli	8	4 35.67	− 0.29	−13.71	355 36 8.15	44.172	+ 5.88	− 4.5	2 4 21.67	.....	+34 34 48.1	....
35	δ Ceti	8	35 15.45	+ 0.03	**−13.72**	321 0 8.85	42.028	+ 5.88	− 48.1	2 35 1.76	.....	− 0 2 43.7	....
36	B. D.+87°23	8	59 37.39	−26.42	−13.73	49 12 9.70	44.278	+ 5.88	+1 9.0	2 58 57.24	− 2.88	+88 12 6.3	−25.1
37	57 B. Ursæ Minoris S. P.	6	4 48.81	+20.52	−13.73	53 26 9.38	44.405	+ 5.88	+1 20.2	15 4 55.60	.....	+87 33 40.0	....
38	ο Tauri	8	20 22.18	− 0.02	**−13.73**	329 46 9.58	41.998	+ 5.88	− 34.6	3 20 8.42	.....	+ 8 43 30.1	....
	January 17, P.												
39	Sun I, N	8	55 24.08	+ 0.02	−14.43	300 32 7.28	46.830	+ 6.26	−1 34.8	19 55 9.67	+69.91	−20 29 40.7	....
40	Sun II, S	8	57 43.90	+ 0.02	−14.43	300 0 8.85	45.442	+ 6.26	−1 36.9	19 57 29.49	−69.91	−21 2 13.8	....
41	θ Ceti	8	19 55.10	+ 0.01	**−14.56**	312 24 8.88	44.545	+ 5.49	−1 1.6	1 19 40.56	.....	− 8 37 59.3	....
42	η Piscium	8	27 4.06	− 0.08	**−14.56**	335 56 6.82	42.882	+ 5.52	− 25.1	1 26 49.43	.....	+14 53 56.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 13 23	......	....	24.0
13 32	......	....	24.0
13 52	30.322	25.2	24.0
14 14	......	....	23.9
14 30	30.322	24.3	23.6
14 19 45	30.408	34.2	33.7
0 54	30.428	35.5	35.5
1 19	......	....	35.2
1 33	......	....	35.0
1 52	......	....	34.9
2 6	30.424	34.0	34.2
2 37	......	....	33.2
3 9	......	....	33.0
3 22	30.444	33.1	32.1
7 46	30.410	29.1	28.4
8 22	30.406	29.0	28.1
8 42	......	....	28.2
8 51	30.410	28.9	....
9 10	......	....	28.1
9 24	30.413	28.6	27.9
15 19 49	30.302	40.5	41.1
1 3	30.235	46.3	45.0
1 20	......	....	44.6
1 29	30.224	45.6	....
1 43	......	....	44.0
2 2	......	....	43.4
2 5	30.223	44.3	....
2 35	30.221	43.7	42.5
3 5	......	....	42.1
3 20	30.204	43.4	42.1
17 19 58	29.858	61.6	63.7
1 17	29.830	62.2	61.9
1 29	......	....	61.9

Micrometer bisections are made at II, VI, except as noted below.

1.	Bisections at II, VII.
2, 9, 11, 16, 30.	Bisections at $9\overset{r}{.}5$, $10\overset{r}{.}5$.
6, 26, 39.	Bisections at I, II.
7, 27, 40.	Bisections at VI, VII.
8, 31.	Bisections at II, III, V, VI.
17, 28, 36.	Bisections at $9\overset{r}{.}0$, $11\overset{r}{.}0$.
19.	Bisections at I, II, VI, VII.
37.	Bisections at b_4, $7\overset{r}{.}5$.

Notes.

28–38. Conditions poor; haze.
32, 33. Degrees and minutes of circle reading assumed.
41, 42. Clouds.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 7.8	+16 17.2	...	+16 25.0
7	+ 7.7	−16 17.2	...	−16 9.5
8	+29 27.6	+15 2.6	...	+44 30.2
19	+ 0.1	.. ....	...	+ 0.1
26	+ 7.7	−16 16.6	...	−16 8.9
27	+ 7.7	+16 16.7	...	+16 24.4
31	+24 55.0	+15 13.9	...	+40 8.9
39	+ 7.7	−16 16.6	...	−16 8.9
40	+ 7.7	+16 16.5	...	+16 24.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	β Arietis	8	50 4.54	− 0.12	**−14.57**	341 24 6.15	45.705	+ 5.63	− 18.9	1 49 49.86	.....	+20 23 7.1	....
2	α Arietis	8	2 30.69	− 0.15	**−14.57**	344 4 8.35	45.860	+ 5.69	− 16.1	2 2 15.97	.....	+23 3 14.7	....
3	β Trianguli	8	4 36.43	− 0.26	−14.57	355 36 3.78	44.335	+ 5.70	− 4.3	2 4 21.60	.....	+34 34 47.4	....
4	δ Ceti	8	35 16.33	− 0.04	**−14.55**	321 0 7.95	41.902	+ 5.84	− 45.7	2 35 1.71	.....	− 0 2 45.1	....
	January 18, Ep.												
5	α Ceti	8	57 59.49	− 0.03	**−15.14**	324 46 12.90	46.002	+ 6.80	− 40.0	2 57 44.29	.....	+ 3 45 0.3	....
6	ο Tauri	8	20 23.61	− 0.05	**−15.16**	329 46 13.12	41.740	+ 6.80	− 33.1	3 20 8.38	.....	+ 8 43 30.2	....
7	η Tauri	8	42 34.65	− 0.16	**−15.20**	344 52 12.68	43.325	+ 6.80	− 15.4	3 42 19.30	.....	+23 50 24.1	....
8	γ Eridani	8	54 14.29	+ 0.04	**−15.21**	307 16 14.20	46.665	+ 6.80	−1 15.3	3 53 59.14	.....	−13 45 18.9	....
[illegible]	ν Tauri	8	58 47.68	− 0.04	**−15.18**	326 46 13.18	45.898	+ 6.80	− 37.7	3 58 32.45	.....	+ 5 45 0.8	....
10	δ Tauri	8	18 11.20	− 0.11	**−15.23**	338 22 14.92	43.888	+ 6.80	− 22.9	4 17 55.89	.....	+17 20 31.2	....
11	Moon I, S	8	27 21.61	− 0.19	−15.20	346 54 13.90	46.160	+ 6.80	− 13.4	4 27 6.22	+74.57	+25 53 31.7	....
	January 19, M.												
12	Moon N	.	.. ..	.....	.....	349 22 16.62	47.925	+ 6.52	− 11.1	5 34	.....	+28 22 16.3	....
13	α Orionis	8	50 44.61	− 0.10	**−15.50**	328 26 16.40	42.045	+ 6.52	− 36.4	5 50 29.01	.....	+ 7 23 36.2	....
14	μ Geminorum	8	17 59.09	− 0.22	**−15.51**	343 34 14.80	46.760	+ 6.52	− 17.4	6 17 43.36	.....	+22 33 41.1	....
15	γ Geminorum	8	32 58.36	− 0.17	**−15.52**	337 30 15.18	44.135	+ 6.52	− 24.5	6 32 42.68	.....	+16 28 34.9	....
16	ε Geminorum	8	38 52.23	− 0.25	**−15.55**	346 14 15.50	45.330	+ 6.52	− 14.5	6 38 36.47	.....	+25 13 13.1	....
17	ζ Geminorum	8	59 14.32	− 0.20	**−15.52**	341 44 12.68	42.575	+ 6.52	− 19.6	6 58 58.60	.....	+20 42 2.1	....
18	β Geminorum	8	40 17.24	− 0.29	**−15.48**	349 16 15.92	42.802	+ 6.52	− 11.2	7 40 1.42	.....	+28 14 18.2	....
19	Neptune C, C	8	45 29.49	− 0.20	−15.53	341 44 15.68	47.208	+ 6.52	− 19.6	7 45 13.76	.....	+20 43 50.9	....
	January 20, M.												
20	Sun I, N	8	8 11.50	+ 0.09	−15.79	301 10 11.65	44.552	+ 5.44	−1 34.7	20 7 55.80	+69.48	−19 52 29.3	....
21	Sun II, S	8	10 30.46	+ 0.09	−15.79	300 38 12.05	43.282	+ 5.44	−1 36.7	20 10 14.76	−69.48	−20 25 0.0	....
	January 21, P.												
22	Sun I, S	8	12 26.10	− 0.07	−16.31	300 50 9.52	46.475	+ 6.58	−1 39.4	20 12 9.72	+69.43	−20 11 50.9	....
23	Sun II, N	8	14 44.96	− 0.07	−16.31	301 22 4.72	48.030	+ 6.58	−1 37.3	20 14 28.58	−69.43	−19 39 18.8	....
24	ζ Geminorum	8	59 15.38	− 0.24	**−16.52**	341 44 11.22	42.660	+ 7.14	− 19.9	6 58 58.61	.....	+20 42 2.8	....
25	λ Geminorum	8	13 23.97	− 0.20	**−16.51**	337 44 17.18	42.468	+ 7.14	− 24.7	7 13 7.24	.....	+16 41 59.5	....
26	ι Geminorum	8	20 38.16	− 0.33	**−16.55**	349 0 12.08	43.272	+ 7.14	− 11.7	7 20 21.29	.....	+27 58 25.1	....
27	β Geminorum	8	40 18.32	− 0.33	**−16.50**	349 16 13.58	42.900	+ 7.14	− 11.4	7 40 1.45	.....	+28 14 18.6	....
28	Neptune C, C	8	45 16.44	− 0.24	−16.54	341 46 12.82	43.706	+ 7.14	− 19.9	7 44 59.66	.....	+20 44 28.4	....
29	Moon I, N	8	51 46.89	− 0.31	−16.55	346 50 11.78	44.105	+ 7.14	− 14.1	7 51 30.03	+77.46	+25 48 42.2	....
30	β Cancri	8	12 6.15	− 0.14	**−16.53**	330 28 14.15	46.505	+ 7.14	− 34.3	8 11 49.46	.....	+ 9 27 19.4	....
31	30 Monocerotis	8	21 36.91	− 0.05	**−16.55**	317 24 13.45	45.950	+ 7.14	− 55.6	8 21 20.31	.....	− 3 37 15.6	....
	January 21, Ep.												
32	α Virginis	8	20 53.55	0.00	**−16.79**	310 20 12.20	43.392	+ 6.59	−1 11.7	13 20 36.79	.....	−10 42 31.9	....
33	α Ursæ Minoris s. p.	8	27 12.37	+46.44	−16.76	52 8 12.52	46.360	+ 6.59	+1 18.6	1 27 42.05	.....	+88 50 52.9	....
34	η Boötis	8	50 49.89	− 0.20	**−16.80**	339 52 12.85	41.940	+ 6.59	− 22.3	13 50 32.92	.....	+18 49 45.1	....
35	α Boötis	8	11 58.81	− 0.21	**−16.79**	340 40 12.40	42.108	+ 6.59	− 21.4	14 11 41.83	.....	+19 37 49.7	....
36	ρ Boötis	8	28 22.20	− 0.36	−16.78	351 46 12.92	44.232	+ 6.59	− 8.8	14 28 5.06	.....	+30 44 50.4	....
37	ε Boötis	8	41 28.46	− 0.31	**−16.80**	348 28 13.12	42.480	+ 6.59	− 12.5	14 41 11.37	.....	+27 26 7.0	....
38	α Libræ	8	46 20.31	+ 0.02	**−16.77**	305 22 11.80	42.990	+ 6.59	−1 26.1	14 46 3.55	.....	−15 40 56.0	....
	January 22, Ep.												
39	Sun I, S	8	16 39.52	+ 0.05	−16.86	301 4 8.35	45.272	+ 6.41	−1 38.9	20 16 22.71	+69.36	−19 58 19.5	....
40	Sun II, N	8	18 58.24	+ 0.05	−16.86	301 36 8.95	46.612	+ 6.41	−1 36.8	20 18 41.43	−69.36	−19 25 47.1	....
41	Venus I, S	8	16 22.99	+ 0.02	−16.91	315 42 11.32	46.462	+ 6.98	− 57.8	23 16 6.10	+ 0.67	− 5 19 8.3	....
42	θ Ceti	8	19 57.40	0.00	**−16.90**	312 24 12.68	44.548	+ 6.96	−1 5.1	1 19 40.47	.....	− 8 37 57.4	....

Time.			Barom.	Att. Ther.	Ext. Ther.
[illegible]	h	m	in.	°	°
17	1	48	....	....	61.5
	2	7	29.836	62.0	61.1
	2	37	29.838	62.0	60.9
18	2	58	29.768	56.9	57.7
	3	20	....	....	57.0
	3	43	29.818	55.0	54.2
	3	58	....	....	50.6
	4	27	29.830	50.9	49.5
19	5	34	30.048	42.4	40.7
	6	18	....	....	40.2
	6	33	....	....	39.9
	6	59	30.034	41.3	39.7
	7	45	30.030	40.8	39.0
20	20	11	29.926	52.0	53.2
21	20	15	[illegible]	39.2	37.0
	6	56	30.050	32.5	32.0
	7	12	....	....	32.1
	7	39	30.050	31.5	31.6
	7	55	....	....	30.8
	8	23	30.044	31.2	30.0
	13	21	....	....	27.4
	13	27	30.060	29.0	....
	13	51	....	....	27.7
	14	12	30.080	29.1	27.3
	14	28	....	....	25.9
	14	46	[illegible]	28.2	25.7
22	20	19	30.156	39.0	38.0
	23	16	30.150	42.1	41.6
	1	20	30.152	40.3	40.1

Micrometer bisections are made at II, VI, except as noted below.

3, 24.	Bisections at II, VII.
11, 29.	Bisections at II, III, V, VI.
12.	Two bisections each at III, V.
19, 28, 41.	Bisections at I, II, VI, VII.
20, 22, 39.	Bisections at I, II.
21, 23, 40.	Bisections at VI, VII.
33.	Bisections at 9.5 r, 10.5 r.

Notes.

1–4.	Clouds.
5–10.	Conditions poor; windy.
11.	Degrees and minutes of circle reading assumed.
15, 16.	Haze.
38.	Conditions poor.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
11	+13 0.4	+15 59.9	...	+29 0.3
12	+10 42.1	−16 15.8	...	− 5 33.7
19	+ 0.1	.. ..	...	+ 0.1
20	+ 7.6	−16 15.3	...	−16 7.7
21	+ 7.7	+16 15.3	...	+16 23.0
22	+ 7.6	+16 16.1	...	+16 23.7
23	+ 7.6	−16 16.0	...	−16 8.4
28	+ 0.1	.. ..	...	+ 0.1
29	+13 37.3	−16 39.0	...	− 3 1.7
39	+ 7.6	+16 16.2	...	+16 23.8
40	+ 7.6	−16 16.2	...	−16 8.6
41	+ 7.2	+ 10.1	...	+ 17.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris	8	28 46.06	−43.91	−16.94	49 50 13.45	46.095	+ 6.96	+1 10.8	1 27 45.21	.....	+88 50 54.4	....
2	α Arietis	8	2 33.11	− 0.23	**−16.98**	344 4 11.75	45.732	+ 6.96	− 17.0	2 2 15.93	.....	+23 3 15.6	....
3	β Trianguli	8	4 38.91	− 0.39	−16.95	355 36 11.92	43.975	+ 6.96	− 4.5	2 4 21.57	.....	+34 34 48.5	....
4	δ Ceti	8	35 18.71	− 0.04	**−16.99**	321 0 13.68	41.790	+ 6.96	− 48.4	2 35 1.71	.....	− 0 2 43.4	....
5	B. D.+87°23	8	59 36.74	−27.92	−16.96	49 12 14.58	44.068	+ 6.96	+1 9.5	2 58 51.86	+ 0.96	+88 12 8.0	−26.1
6	57 B. Ursæ Minoris s. P.	8	4 55.32	+21.50	−16.97	53 26 13.68	44.198	+ 6.96	+1 20.8	15 4 59.85	.....	+87 33 39.0	....
7	o Tauri	8	20 25.45	− 0.10	**−16.99**	329 46 14.20	41.820	+ 6.96	− 34.9	3 20 8.38	.....	+ 8 43 31.5	....
8	η Tauri	8	42 36.48	− 0.24	**−16.99**	344 52 13.00	43.390	+ 6.96	− 16.2	3 42 19.26	.....	+23 50 25.3	....
	January 22, M.												
9	ζ Geminorum	8	59 15.78	− 0.24	**−16.92**	341 44 13.62	42.555	+ 6.88	− 19.9	6 58 58.68	.....	+20 42 2.6	....
10	λ Geminorum	8	13 24.30	− 0.20	**−16.84**	337 44 8.88	42.825	+ 6,88	− 24.7	7 13 7.23	.....	+16 41 59.0	....
11	ι Geminorum	8	20 38.49	− 0.33	**−16.88**	349 0 11.40	43.285	+ 6.88	− 11.7	7 20 21.29	.....	+27 58 24.5	....
12	β Geminorum	8	40 18.68	− 0.33	**−16.85**	349 16 9.10	43.120	+ 6.88	− 11.4	7 40 1.48	.....	+28 14 18.9	....
13	β Cancri	8	12 6.49	− 0.14	**−16.86**	330 28 10.05	46.648	+ 6.88	− 34.1	8 11 49.47	.....	+ 9 27 18.5	....
14	30 Monocerotis	8	21 37.20	− 0.05	**−16.83**	317 24 11.42	46.010	+ 6.88	− 55.4	8 21 20.26	.....	− 3 37 16.4	....
15	Moon N	.	.. ..	.....	.....	342 20 11.52	50.725	+ 6.88	− 19.2	.. ..	.....	+21 21 3.1	....
16	Moon II, S	8	0 45.18	− 0.26	−16.90	341 48 9.44	45.232	+ 6.88	− 19.8	9 0 28.02	−75.03	+20 47 4.8	....
	January 25, Ep.												
17	Sun I, N	8	29 15.76	− 0.02	−18.22	302 17 59.30	48.635	+ 7.04	−1 31.1	20 28 57.52	+68.93	−18 43 3.7	....
18	Sun II, S	8	31 33.62	− 0.02	−18.22	301 46 6.00	47.192	+ 7.04	−1 33.0	20 31 15.38	−68.93	−19 15 32.4	....
19	θ Ceti	8	19 58.74	− 0.07	**[−18.21]**	312 24 5.25	44.730	+ 7.02	−1 3.0	1 19 40.36	.....	− 8 37 58.6	....
20	α Ursæ Minoris	8	28 41.00	−43.33	−18.31	49 50 6.05	46.455	+ 7.02	+1 8.5	1 27 39.36	.....	+88 50 53.0	....
21	α Orionis	8	50 47.49	− 0.12	**−18.37**	328 26 10.90	42.272	+ 6.66	− 36.0	5 50 28.94	.....	+ 7 23 36.5	....
22	μ Geminorum	8	18 2.04	− 0.24	**−18.45**	343 34 13.12	46.828	+ 6.66	− 17.3	6 17 43.37	.....	+22 33 42.2	....
23	γ Geminorum	8	33 1.32	− 0.19	**−18.45**	337 30 11.40	44.275	+ 6.66	− 24.3	6 32 42.69	.....	+16 28 34.7	....
24	ε Geminorum	8	38 55.19	− 0.27	**−18.48**	346 14 10.10	45.565	+ 6.66	− 14.3	6 38 36.48	.....	+25 13 13.4	....
25	ζ Geminorum	8	59 17.32	− 0.23	**−18.46**	341 44 11.05	42.658	+ 6.66	− 19.4	6 58 58.64	.....	+20 42 2.7	....
	January 25, P.												
26	Moon II, S	8	54 9.24	− 0.10	−18.43	321 36 10.28	47.322	+ 6.83	− 46.8	11 53 50.71	−68.01	+ 0 35 20.8	....
27	o Virginis	8	1 6.31	− 0.15	**−18.44**	330 14 9.92	45.418	+ 6.83	− 33.8	12 0 47.73	.....	+ 9 12 50.2	....
28	η Virginis	8	15 46.64	− 0.09	**−18.42**	320 50 14.38	46.005	+ 6.83	− 48.2	12 15 28.11	.....	− 0 11 6.3	....
29	δ Virginis	8	51 32.51	− 0.12	**−18.45**	324 54 6.68	43.865	+ 6.83	− 41.6	12 51 13.94	.....	+ 3 52 3.7	....
30	B. D.+87°9 s. P.	8	1 43.23	+23.79	−18.45	53 12 8.42	42.222	+ 6.83	+1 19.3	1 1 48.57	+25.09	+87 48 30.6	−22.3
31	α Virginis	8	20 55.38	− 0.04	**−18.45**	310 20 6.00	43.545	+ 6.83	−1 9.6	13 20 36.88	.....	−10 42 32.3	....
32	α Ursæ Minoris s. P.	8	27 13.18	+44.84	−18.46	52 8 9.85	46.580	+ 6.83	+1 16.4	1 27 39.56	.....	+88 50 52.7	....
33	ε Boötis	8	41 30.32	− 0.34	**−18.50**	348 28 14.70	42.348	+ 6.83	− 12.1	14 41 11.50	.....	+27 26 6.2	....
34	α Libræ	8	46 22.17	− 0.02	**−18.45**	305 22 10.15	42.925	+ 6.83	−1 23.5	14 46 3.67	.....	−15 40 56.3	....
35	B. D.+87°23 s. P.	7	58 40.83	+28.89	−18.49	52 48 15.02	42.990	+ 6.83	+1 18.5	2 58 51.23	+ 3.47	+88 12 7.2	−26.6
36	57 B. Ursæ Minoris	8	5 39.49	−20.49	−18.49	48 34 16.68	42.810	+ 6.83	+1 7.5	15 5 0.51	.....	+87 33 39.1	....
	January 27, P.												
37	α Virginis	8	20 56.34	− 0.07	**−19.31**	310 20 7.72	43.490	+ 7.68	−1 10.6	13 20 36.95	.....	−10 42 32.0	....
38	α Ursæ Minoris s. P.	8	27 9.56	+49.61	−19.32	52 8 6.52	46.618	+ 7.68	+1 17.4	1 27 39.85	.....	+88 50 53.3	....
39	Moon II, S	8	38 16.24	− 0.06	−19.32	307 52 7.80	44.164	+ 7.68	−1 17.1	13 37 56.86	−67.51	−13 10 23.0	....
40	η Boötis	8	50 52.74	− 0.30	**−19.34**	339 52 9.88	42.010	+ 7.68	− 22.0	13 50 33.11	.....	+18 49 45.1	....
41	α Boötis	8	12 1.68	− 0.31	**−19.35**	340 40 9.40	42.160	+ 7.68	− 21.1	14 11 42.04	.....	+19 37 49.3	....
42	ρ Boötis	8	28 25.07	− 0.46	−19.34	351 46 9.88	44.300	+ 7.68	− 8.7	14 28 5.27	.....	+30 44 50.1	....
43	ε Boötis	8	41 31.31	− 0.41	**−19.34**	348 28 8.90	42.555	+ 7.68	− 12.3	14 41 11.56	.....	+27 26 5.7	....
44	α Libræ	8	46 23.13	− 0.04	**−19.32**	305 22 7.65	43.035	+ 7.68	−1 24.7	14 46 3.75	.....	−15 40 56.6	....
	January 28, P.												
45	Sun I, N	8	41 44.47	− 0.02	−19.45	303 4 8.05	47.988	+ 7.94	−1 30.5	20 41 25.00	+68.72	−17 57 8.7	....
46	Sun II, S	8	44 1.92	− 0.02	−19.45	302 32 8.50	46.730	+ 7.94	−1 32.4	20 43 42.45	−68.73	−18 29 39.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
22 2 3	30.152	38.9	38.7
2 35	30.169	38.3	38.3
3 10	30.168	37.9	38.1
3 43	30.169	37.2	37.5
6 59	30.170	34.8	33.0
7 21	......	....	32.9
8 12	30.150	34.7	33.3
9 1	30.134	33.8	33.0
25 20 32	29.736	47.0	47.1
1 20	29.724	48.3	48.9
5 51	29.730	41.8	40.5
6 18	......	....	39.9
6 33	29 730	40.8	39.8
6 59	29.729	40,3	39.8
11 48	29.688	37.1	35.5
12 4	......	....	35.1
12 49	29.695	37.0	35.6
13 19	......	....	35.7
13 32	29.718	36.9	36.0
14 39	29.736	35.9	34.5
14 54	......	....	34.1
15 10	29.732	36.0	34.3
27 13 18	[illegible]	28.8	28.0
13 48	......	....	27.5
14 9	29.650	28.2	27.5
14 31	......	....	27.1
14 48	29.672	28.0	27.1
28 20 44	29.714	37.7	36.3

Micrometer bisections are made at II, VI, except as noted below.

1, 5, 20, 32, 35, 38.	Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
6, 30, 36.	Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.
15, 17, 45.	Bisections at I, II.
16, 18, 46.	Bisections at VI, VII.
26, 39.	Bisections at II, III, V, VI.
43.	Bisections at II, VII.

Notes.

13. Thick haze.
25. Clouds.
32. Fuzzy.
35. Micrometer reading increased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
15	+18 16.5	−16 42.0	...	+ 1 34.5
16	+18 51.1	+16 42.0	− 0.3	+35 32.8
17	+ 7.5	−16 14.3	...	−16 6.8
18	+ 7.6	+16 14.3	...	+16 21.9
26	+37 2.9	+16 23.6	...	+53 26.5
39	+45 51.4	+15 55.5	...	+61 46.9
45	+ 7.4	−16 15.3	...	−16 7.9
46	+ 7.5	+16 15.3	...	+16 22.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Ceti	8	19 59.93	− 0.02	**[−19.49]**	312 24 9.08	44.632	+ 7.50	−1 4.4	1 19 40.37	.....	− 8 37 57.9	....
2	α Ursæ Minoris	8	28 42.82	−44.52	−19.54	49 50 9.38	46.228	+ 7.50	+1 10.1	1 27 38.76	.....	+88 50 53.2	....
3	α Arietis	8	2 35.65	− 0.26	**−19.57**	344 4 10.02	45.742	+ 7.50	− 16.8	2 2 15.84	.....	+23 3 14.8	....
4	β Trianguli	8	4 41.48	− 0.42	−19.55	355 36 8.12	44.098	+ 7.50	− 4.5	2 4 21.51	.....	+34 34 48.0	....
5	δ Ceti	8	35 21.23	− 0.06	**−19.57**	321 0 10.12	41.862	+ 7.50	− 47.9	2 35 1.61	.....	− 0 2 44.4	....
6	α Ceti	8	58 3.86	− 0.09	**−19.56**	324 46 9.82	46.205	+ 7.50	− 41.8	2 57 44.20	.....	+ 3 45 0.7	....
7	ο Tauri	8	20 27.95	− 0.12	**−19.54**	329 46 10.80	41.880	+ 7.50	− 34.6	3 20 8.26	.....	+ 8 43 30.2	....
8	η Tauri	8	42 39.04	− 0.27	**−19.59**	344 52 12.62	43.355	+ 7.50	− 16.0	3 42 19.19	.....	+23 50 24.8	....
	January 29, M.												
9	B. D.+87°9 s. p.	8	1 43.18	+24.79	−20.13	53 12 11.55	42.045	+ 6.16	+1 20.6	1 1 47.84	+27.07	+87 48 30.8	−21.8
10	α Virginis	8	20 57.22	0.00	**−20.20**	310 20 12.65	43.315	+ 6.16	−1 10.8	13 20 37.08	.....	−10 42 32.8	....
11	α Ursæ Minoris s. p.	8	27 9.31	+46.67	−20.14	52 8 10.92	46.525	+ 6.16	+1 17.6	1 27 35.84	.....	+88 50 52.2	....
12	η Boötis	8	50 53.51	− 0.21	**−20.13**	339 52 11.28	41.982	+ 6.16	− 22.1	13 50 33.15	.....	+18 49 44.2	....
13	α Boötis	8	12 2.49	− 0.22	**−20.18**	340 40 9.68	42.205	+ 6.16	− 21.1	14 11 42.12	.....	+19 37 49.0	....
14	ρ Boötis	8	28 25.84	− 0.36	−20.16	351 46 10.02	44.332	+ 6.16	− 8.7	14 28 5.32	.....	+30 44 49.5	....
15	ε Boötis	8	41 32.10	− 0.32	**−20.15**	348 28 7.92	42.682	+ 6.16	− 12.3	14 41 11.62	.....	+27 26 6.2	....
16	α Libræ	8	46 23.93	+ 0.02	**−20.11**	305 22 11.32	42.938	+ 6.16	−1 24.8	14 46 3.78	.....	−15 40 56.8	....
17	B. D.+87°23 s. p.	8	58 37.63	+30.08	−20.17	52 48 10.05	43.145	+ 6.16	+1 19.7	2 58 47.54	+ 6.03	+88 12 8.1	−26.7
18	57 B. Ursæ Minoris	8	5 44.57	−21.28	−20.17	48 34 12.62	42.925	+ 6.16	+1 8.6	15 5 3.12	.....	+87 33 38.2	....
19	Moon II, S	8	25 12.20	+ 0.04	−20.18	297 20 11.92	42.931	+ 6.16	−1 56.4	15 24 52.06	−69.59	−23 43 27.8	....
	January 30, M.												
20	Sun I, S	8	49 59.69	+ 0.07	−20.28	303 6 10.05	42.015	+ 6.63	−1 29.8	20 49 39.48	+68.52	−17 57 23.9	....
21	Sun II, N	8	52 16.72	+ 0.07	−20.28	303 38 10.30	43.218	+ 6.63	−1 28.0	20 51 56.51	−68.51	−17 24 54.2	....
22	α Orionis	8	50 49.56	− 0.15	**−20.44**	328 26 6.42	42.415	+ 6.30	− 35.6	5 50 28.96	.....	+ 7 23 35.3	....
23	μ Geminorum	8	18 4.08	− 0.26	**−20.48**	343 33 59.62	47.422	+ 6.30	− 17.1	6 17 43.36	.....	+22 33 41.1	....
24	γ Geminorum	8	33 3.34	− 0.21	**−20.46**	337 30 5.30	44.522	+ 6.30	− 24.0	6 32 42.67	.....	+16 28 34.0	....
25	ε Geminorum	8	38 57.19	− 0.29	**−20.46**	346 14 0.60	46.012	+ 6.30	− 14.2	6 38 36.43	.....	+25 13 13.8	....
26	ζ Geminorum	8	59 19.33	− 0.25	**−20.44**	341 44 3.08	42.972	+ 6.30	− 19.2	6 58 58.61	.....	+20 42 1.7	....
27	λ Geminorum	8	13 27.83	− 0.21	**−20.34**	337 44 7.55	42.845	+ 6.30	− 23.8	7 13 7.14	.....	+16 41 58.5	....
	January 30, P.												
28	α Virginis	8	20 57.82	− 0.05	**−20.72**	310 20 9.72	43.252	+ 7.07	−1 8.3	13 20 37.11	.....	−10 42 33.7	....
29	ζ Virginis	8	30 36.94	− 0.09	**−20.70**	320 52 6.30	45.903	+ 7.07	− 47.2	13 30 16.19	.....	− 0 9 15.5	....
30	α Boötis	8	12 3.09	− 0.22	**−20.75**	340 40 8.08	42.148	+ 7.07	− 20.4	14 11 42.20	.....	+19 37 47.8	....
31	ρ Boötis	8	28 26.41	− 0.34	−20.68	351 46 9.80	44.280	+ 7.07	− 8.4	14 28 5.39	.....	+30 44 49.3	....
32	ε Boötis	8	41 32.69	− 0.30	**−20.73**	348 28 11.28	42.438	+ 7.07	− 11.8	14 41 11.71	.....	+27 26 5.3	....
33	α Libræ	8	46 24.54	− 0.04	**−20.63**	305 22 10.88	42.742	+ 7.07	−1 21.8	14 46 3.81	.....	−15 40 57.8	....
	January 31, P.												
34	Sun I, S	8	54 6.41	+ 0.01	−20.79	303 22 4.88	43.575	+ 6.74	−1 25.4	20 53 45.63	+68.37	−17 40 48.6	....
35	Sun II, N	8	56 23.14	+ 0.01	−20.79	303 54 7.40	44.732	+ 6.74	−1 23.6	20 56 2.36	−68.36	−17 8 18.2	....
	January 31, M.												
36	α Virginis	8	20 58.21	− 0.11	**−21.02**	310 20 6.25	43.468	+ 8.02	−1 9.6	13 20 37.09	.....	−10 42 32.6	....
37	α Ursæ Minoris s. p.	8	27 12.68	+42.22	−21.02	52 8 3.08	46.830	+ 8.02	+1 16.4	1 27 33.88	.....	+88 50 52.4	....
38	η Boötis	8	50 54.56	− 0.29	**−21.04**	339 52 4.05	42.202	+ 8.02	− 21.7	13 50 33.25	.....	+18 49 44.2	....
39	α Boötis	7	12 3.45	− 0.30	**−21.00**	340 40 4.60	42.308	+ 8.02	− 20.8	14 11 42.12	.....	+19 37 48.5	....
40	ρ Boötis	8	28 26.86	− 0.42	−21.04	351 46 4.72	44.470	+ 8.02	− 8.5	14 28 5.40	.....	+30 44 49.4	....
41	ε Boötis	8	41 33.13	− 0.38	**−21.06**	348 28 5.02	42.710	+ 8.02	− 12.1	14 41 11.71	.....	+27 26 6.0	....
42	α Libræ	8	46 25.02	− 0.09	**−21.03**	305 22 4.62	43.072	+ 8.02	−1 23.4	14 46 3.89	.....	−15 40 57.2	....
	February 1, M.												
43	Sun I, S	8	58 11.92	− 0.14	−21.16	303 38 11.20	45.985	+ 7.21	−1 31.0	20 57 50.62	+68.30	−17 23 52.1	....
44	Sun II, N	8	0 28.51	− 0.14	−21.16	304 10 10.95	47.180	+ 7.21	−1 29.2	21 0 7.21	−68.29	−16 51 23.9	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
[illegible] 1 18	29.718	39.0	38.0
1 32	......	....	37.8
1 59	......	....	37.0
2 7	......	....	36.9
2 37	29.740	37.0	36.0
3 1	......	....	35.9
3 22	......	....	35.4
3 44	29.762	36.0	35.1
29 13 2	29.910	32.5	31.2
13 21	......	....	31.1
13 51	......	....	31.2
14 12	29.916	32.4	31.0
15 25	29.930	30.8	29.7
30 20 52	29.926	43.1	43.4
5 51	29.888	49.8	48.4
6 18	......	....	48.2
6 59	......	....	47.2
7 42	29.860	47.7	46.8
13 18	29.756	46.5	45.6
13 33	......	....	45.5
14 15	29.752	46.1	45.0
14 31	......	....	45.0
14 48	29.740	45.5	44.4
31 20 56	29.638	57.3	58.0
13 21	......	....	33.8
13 27	29.584	34.5	....
13 51	......	....	33.4
14 12	......	....	32.7
14 46	29.596	34.0	32.8
1 21 0	29.856	31.0	25.8

Micrometer bisections are made at II, VI, except as noted below.

2, 9, 11, 17, 18, 37.	Bisections at 9.5, 10.5.
19.	Bisections at II, III, V, VI.
20, 34.	Bisections at I, II.
21, 35.	Bisections at VI, VII.
28, 33.	Bisections at I, II, VI, VII.
29, 30.	Bisection at II.
32.	Bisections at II, VII.
43.	Bisections at I, II, III.
44.	Bisections at V, VI, VII.

Notes.

13, 14.	Fog.
28–33, 42.	Clouds.
37.	Poor image.
42.	Micrometer reading increased 1 rev.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
19	+50 10.4	+15 27.9	...	+65 38.3
20	+ 7.4	+16 14.9	...	+16 22.3
21	+ 7.4	−16 14.8	...	−16 7.4
34	+ 7.4	+16 15.2	...	+16 22.6
35	+ 7.4	−16 15.2	...	−16 7.8
43	+ 7.4	+16 14.1	...	+16 21.5
44	+ 7.3	−16 14.0	...	−16 6.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	February 4, P.												
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Geminorum	8	38 59.49	− 0.30	**−22.77**	346 14 10.75	45.528	+ 7.24	− 14.6	6 38 36.42	.....	+25 13 13.4	....
2	ξ Geminorum	8	40 48.81	− 0.16	**−22.75**	334 0 9.40	46.955	+ 7.24	− 29.1	6 40 25.88	.....	+12 59 30.0	....
3	ζ Geminorum	8	59 21.64	− 0.24	**−22.77**	341 44 10.70	42.680	+ 7.24	− 19.7	6 58 58.63	.....	+20 42 3.1	....
4	λ Geminorum	8	13 30.21	− 0.19	**−22.74**	337 44 11.30	42.695	+ 7.24	− 24.6	7 13 7.24	.....	+16 41 58.9	....
5	ι Geminorum	8	20 44.46	− 0.34	**−22.80**	349 0 11.80	43.300	+ 7.24	− 11.6	7 20 21.34	.....	+27 58 25.6	....
6	β Canis Minoris	8	22 50.48	− 0.12	**−22.80**	329 30 11.15	43.212	+ 7.24	− 35.3	7 22 27.58	.....	+ 8 27 59.9	....
7	Neptune C, C	8	43 47.13	− 0.24	−22.79	341 50 11.95	44.188	+ 7.24	− 19.6	7 43 24.10	.....	+20 48 38.9	....
8	α Virginis	8	21 0.11	0.00	**−22.91**	310 20 11.82	43.205	+ 6.98	−1 10.5	13 20 37.22	.....	−10 42 35.0	....
9	α Ursæ Minoris S. P.	8	27 3.62	+49.98	−22.89	52 8 12.28	46.430	+ 6.98	+1 17.3	1 27 30.71	.....	+88 50 52.5	....
10	Mercury C	8	56 36.86	+ 0.04	−23.02	301 34	......	....	.....	20 56 13.88	0.00	.. ..	....
	February 5, P.												
11	Sun I, N	8	14 26.56	+ 0.04	−23.02	305 22 10.22	43.270	+ 7.63	−1 24.1	21 14 3.58	+67.78	−15 40 47.8	....
12	Sun II, S	8	16 42.11	+ 0.04	−23.02	304 50 8.20	42.092	+ 7.63	−1 25.8	21 16 19.13	−67.77	−16 13 19.3	....
13	Venus I, S	8	10 29.30	− 0.07	−23.07	322 50 11.40	45.399	+ 7.75	− 45.0	0 10 6.16	+ 0.76	+ 1 48 41.2	....
14	δ Ceti	8	35 24.66	− 0.05	**−23.12**	321 0 9.85	41.865	+ 7.71	− 48.4	2 35 1.51	.....	− 0 2 44.9	....
15	B. D.+87°23	8	59 39.12	−30.97	−23.11	49 12 11.15	44.210	+ 7.71	+1 9.5	2 58 45.04	+10.11	+88 12 8.6	−27.2
16	57 B. Ursæ Minoris S. P.	8	5 4.45	+23.82	−23.11	53 26 12.20	44.265	+ 7.71	+1 20.9	15 5 5.16	.....	+87 33 38.0	....
17	ο Tauri	8	20 31.40	− 0.12	**−23.10**	329 46 11.45	41.835	+ 7.71	− 34.9	3 20 8.16	.....	+ 8 43 29.8	....
18	η Tauri	8	42 42.52	− 0.28	**−23.18**	344 52 11.72	43.390	+ 7.71	− 16.2	3 42 19.12	.....	+23 50 24.7	....
19	γ Eridani	8	54 21.97	+ 0.04	**−23.12**	307 16 12.38	46.800	+ 7.71	−1 18.5	3 53 58.88	.....	−13 45 20.0	....
20	ν Tauri	7	58 55.42	− 0.09	**−23.08**	326 46 10.45	46.048	+ 7.71	− 39.2	3 58 32.20	.....	+ 5 45 0.9	....
21	151 H^1. Cephei	8	9 30.93	−11.82	−23.13	46 20 11.78	44.110	+ 7.71	+1 2.9	4 8 55.98	.....	+85 20 0.0	....
22	δ Tauri	8	18 18.99	− 0.20	**−23.13**	338 22 12.40	43.968	+ 7.71	− 23.7	4 17 55.66	.....	+17 20 30.6	....
	February 6, M.												
23	Sun I, S	8	18 28.02	0.00	−23.42	305 8 10.08	43.015	+ 7.50	−1 25.4	21 18 4.60	+67.64	−15 54 55.0	....
24	Sun II, N	8	20 43.31	0.00	−23.42	305 40 8.32	44.250	+ 7.50	−1 23.8	21 20 19.89	−67.65	−15 22 27.9	....
25	Venus I, S	8	14 11.53	− 0.08	−23.47	323 22 6.52	41.395	+ 7.58	− 44.6	0 13 47.98	+ 0.77	+ 2 19 5.3	....
26	μ Geminorum	5	18 7.18	− 0.28	**−23.60**	343 34 11.90	46.885	+ 7.28	− 18.0	6 17 43.29	.....	+22 33 41.2	....
27	γ Geminorum	7	33 6.52	− 0.20	**−23.68**	337 30 9.85	44.345	+ 7.28	− 25.3	6 32 42.71	.....	+16 28 34.3	....
28	ε Geminorum	8	39 0.38	− 0.31	**−23.66**	346 14 5.80	45.750	+ 7.28	− 14.9	6 38 36.45	.....	+25 13 13.3	....
29	ζ Geminorum	8	59 22.52	− 0.25	**−23.65**	341 44 10.55	42.655	+ 7.28	− 20.2	6 58 58.65	.....	+20 42 1.9	....
30	λ Geminorum	8	13 31.09	− 0.20	**−23.61**	337 44 7.82	42.825	+ 7.28	− 25.1	7 13 7.26	.....	+16 41 57.9	....
31	ι Geminorum	8	20 45.28	− 0.36	**−23.60**	349 0 10.72	43.340	+ 7.28	− 11.9	7 20 21.29	.....	+27 58 25.2	....
32	Neptune C, C	8	43 35.01	− 0.25	−23.64	341 50 7.72	45.878	+ 7.28	− 20.1	7 43 11.12	.....	+20 49 12.9	....
	February 6, P.												
33	α Virginis	7	21 1.00	+ 0.06	**−23.80**	310 20 8.40	43.430	+ 7.54	−1 12.2	13 20 37.25	.....	−10 42 34.5	....
34	α Ursæ Minoris S. P.	8	26 54.81	+56.72	−23.81	52 8 9.65	46.445	+ 7.54	+1 19.2	1 27 27.72	.....	+88 50 52.3	....
35	η Boötis	8	50 57.48	− 0.23	**−23.82**	339 52 9.75	41.938	+ 7.54	− 22.5	13 50 33.43	.....	+18 49 42.6	....
36	α Boötis	8	12 6.40	− 0.24	**−23.81**	340 40 9.45	42.085	+ 7.54	− 21.5	14 11 42.33	.....	+19 37 47.0	....
37	ρ Boötis	8	28 29.88	− 0.42	−23.83	351 46 9.12	44.250	+ 7.54	− 8.8	14 28 5.63	.....	+30 44 48.0	....
38	ε Boötis	8	41 36.09	− 0.36	**−23.83**	348 28 9.08	42.485	+ 7.54	− 12.5	14 41 11.90	.....	+27 26 4.0	....
39	α Libræ	8	46 27.81	+ 0.09	**−23.79**	305 22 10.22	42.925	+ 7.54	−1 26.5	14 46 4.06	.....	−15 40 58.5	....
	February 7, P.												
40	Sun I, S	8	22 28.78	+ 0.11	−23.95	305 26 10.18	44.530	+ 7.32	−1 24.4	21 22 4.94	+67.60	−15 36 19.8	....
41	Sun II, N	8	24 43.98	+ 0.11	−23.95	305 58 9.58	45.832	+ 7.32	−1 22.7	21 24 20.14	−67.60	−15 3 49.1	....
42	Venus I, S	8	17 52.36	+ 0.01	−24.00	323 52 8.35	41.976	+ 7.16	− 43.5	0 17 28.37	+ 0.78	+ 2 49 21.2	....
43	θ Ceti	8	20 4.20	+ 0.09	**[−23.98]**	312 24 7.20	44.716	+ 7.16	−1 5.2	1 19 40.27	.....	− 8 37 59.0	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
4 6 35	29.760	31.5	32.2
7 1	......	....	30.0
7 15	......	....	29.3
7 46	29.758	30.5	31.6
13 18	29.724	29.9	30.0
13 31	......	....	30.0
5 21 14	29.811	34.0	32.1
0 12	29.778	35.5	34.5
2 33	29.744	33.0	32.0
3 10	29.748	32.0	31.1
3 23	......	....	31.0
3 46	......	....	30.7
4 1	......	....	30.5
4 20	29.734	30.5	30.8
6 21 21	29.711	30.0	27.3
0 14	29.692	30.2	28.8
6 18	29.754	22.7	21.8
6 39	......	....	21.8
7 21	......	....	20.8
7 44	29.777	22.2	20.9
13 18	29.787	21.0	20.2
13 31	......	....	20.2
13 53	......	....	20.0
14 14	29.794	20.9	19.9
14 31	......	....	19.5
14 48	29.794	20.2	19.2
7 21 25	29.810	31.5	29.5
0 20	29.770	34.5	33.2
1 18	......	....	33.0

Micrometer bisections are made at II, VI, except as noted below.

7, 13, 25, 32, 42, 43.	Bisections at I, II, VI, VII.
9, 15, 34.	Bisections at $9\overset{r}{.}5$, $10\overset{r}{.}5$.
11, 23, 40.	Bisections at I, II.
12, 24, 41.	Bisections at VI, VII.
16, 21.	Bisections at $9\overset{r}{.}0$, $11\overset{r}{.}0$.

Note.
43. Faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+ 0.1	.. ....	...	+ 0.1
11	+ 7.2	−16 15.7	...	−16 8.5
12	+ 7.3	+16 15.7	...	+16 23.0
13	+ 7.1	+ 11.4	...	+ 18.5
23	+ 7.3	+16 13.5	...	+16 20.8
24	+ 7.2	−16 13.5	...	−16 6.3
25	+ 7.1	+ 11.5	...	+ 18.6
32	+ 0.1	.. ....	...	+ 0.1
40	+ 7.2	+16 15.4	...	+16 22.6
41	+ 7.2	−16 15.3	...	−16 8.1
42	+ 7.0	+ 11.7	...	+ 18.7

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Ursæ Minoris........	8	28 42.69	−50.51	−24.02	49 50 8.65	46.210	+ 7.16	+1 10.9	1 27 28.16	.....	+88 50 52.5	....
2	α Ceti..................	8	58 8.08	0.00	−24.01	324 46 9.48	46.205	+ 7.55	− 42.3	2 57 44.04	.....	+ 3 44 59.9	....
3	o Tauri.................	8	20 32.25	− 0.05	−24.05	329 46 11.52	41.895	+ 7.55	− 35.0	3 20 8.15	.....	+ 8 43 31.0	....
4	η Tauri.................	8	42 43.35	− 0.22	−24.10	344 52 11.15	43.438	+ 7.55	− 16.3	3 42 19.07	.....	+23 50 25.0	....
5	γ Eridani...............	8	54 22.76	+ 0.12	−24.02	307 16 10.85	46.882	+ 7.55	−1 18.9	3 53 58.82	.....	−13 45 20.2	....
6	ν Tauri.................	8	58 56.34	− 0.02	−24.09	326 46 10.05	46.082	+ 7.55	− 39.4	3 58 32.26	.....	+ 5 45 0.9	....
7	δ Tauri.................	8	18 19.85	− 0.14	−24.07	338 22 11.25	44.035	+ 7.55	− 23.9	4 17 55.64	.....	+17 20 30.6	....
	February 9, M.												
8	B. D. +87°9 s. p.	8	1 38.52	+27.12	−25.06	53 12 9.80	42.068	+ 7.38	+1 21.1	1 1 40.58	+32.82	+87 48 30.3	−20.5
9	α Virginis..............	8	21 2.34	+ 0.06	−25.05	310 20 7.40	43.460	+ 7.38	−1 11.2	13 20 37.34	.....	−10 42 33.9	....
10	α Ursæ Minoris s. p. ...	8	26 57.25	+51.05	−25.07	52 8 8.52	46.558	+ 7.38	+1 18.1	1 27 23.23	.....	+88 50 52.1	....
11	η Boötis................	8	50 58.78	− 0.19	−25.07	339 50 6.20	47.352	+ 7.38	− 22.2	13 50 33.52	.....	+18 49 42.9	....
12	α Boötis................	8	12 7.76	− 0.20	−25.12	340 40 7.90	42.170	+ 7.38	− 21.3	14 11 42.48	.....	+19 37 47.5	....
13	ρ Boötis................	8	28 31.11	− 0.36	−25.09	351 46 7.68	44.355	+ 7.38	− 8.7	14 28 5.66	.....	+30 44 48.9	....
14	ε Boötis................	8	41 37.41	− 0.31	−25.10	348 28 10.20	42.490	+ 7.38	− 12.4	14 41 12.01	.....	+27 26 5.2	....
15	α Libræ.................	8	46 29.18	+ 0.09	−25.06	305 22 8.28	42.952	+ 7.38	−1 25.5	14 46 4.18	.....	−15 40 59.0	....
16	57 B. Ursæ Minoris......	8	5 57.94	−23.26	−25.10	48 34 9.55	42.962	+ 7.38	+1 9.1	15 5 9.58	.....	+87 33 37.6	....
	February 10, M.												
17	Sun I, S................	8	34 26.23	+ 0.06	−25.22	306 24 12.80	42.825	+ 7.22	−1 21.3	21 34 1.07	+67.15	−14 38 53.0	....
18	Sun II, N...............	8	36 40.54	+ 0.06	−25.22	306 56 10.18	43.900	+ 7.22	−1 19.7	21 36 15.38	−67.16	−14 6 30.4	....
19	μ Geminorum............	8	18 8.90	− 0.24	−25.39	343 34	......	....	. ....	6 17 43.28	.....	+22 33	....
20	γ Geminorum............	8	33 8.19	− 0.17	−25.41	337 30	......	....	. ....	6 32 42.64	.....	+16 28	....
21	ε Geminorum............	8	39 2.09	− 0.28	−25.43	346 14	......	....	. ....	6 38 36.42	.....	+25 13	....
22	ξ Geminorum............	8	40 51.37	− 0.13	−25.38	334 0	......	....	. ....	6 40 25.85	.....	+12 59	....
23	ζ Geminorum............	8	59 24.14	− 0.22	−25.32	341 44	......	....	. ....	6 58 58.53	.....	+20 42	....
	February 12, Ep.												
24	Sun I, S................	8	42 20.99	− 0.09	−26.31	307 2 8.92	46.620	+ 6.98	−1 19.6	21 41 54.59	+66.95	−13 59 28.7	....
25	Sun II, N...............	8	44 34.88	− 0.09	−26.31	307 34 6.50	47.822	+ 6.98	−1 18.0	21 44 8.48	−66.94	−13 27 2.9	....
26	Moon I, S...............	8	13 6.28	− 0.17	−26.40	336 52 10.50	43.079	+ 6.82	− 25.9	2 12 39.71	+65.49	+15 50 5.1	....
27	α Orionis...............	8	50 55.48	− 0.15	−26.47	328 26 10.45	42.265	+ 7.38	− 38.0	5 50 28.87	.....	+ 7 23 34.6	....
28	μ Geminorum............	8	18 10.04	− 0.32	−26.47	343 34 10.05	46.975	+ 7.38	− 18.2	6 17 43.25	.....	+22 33 41.3	....
29	γ Geminorum............	8	33 9.35	− 0.24	−26.51	337 30 11.05	44.292	+ 7.38	− 25.7	6 32 42.63	.....	+16 28 34.0	....
30	ε Geminorum............	8	39 3.22	− 0.36	−26.49	346 14	......	....	. ....	6 38 36.38	.....	+25 13	....
31	ξ Geminorum............	8	40 52.51	− 0.20	−26.46	334 0 10.10	46.970	+ 7.38	− 30.3	6 40 25.83	.....	+12 59 30.0	....
32	ζ Geminorum............	8	59 25.36	− 0.30	−26.47	341 44 11.58	42.650	+ 7.38	− 20.5	6 58 58.57	.....	+20 42 2.6	....
33	Neptune C, C...........	8	43 0.91	− 0.30	−26.50	341 52 11.22	44.782	+ 7.38	− 20.4	7 42 34.11	.....	+20 50 50.9	....
	February 13, M.												
34	Sun I, S................	8	46 16.42	+ 0.18	−26.58	307 22 6.70	47.025	+ 7.24	−1 20.8	21 45 50.02	+66.94	−13 39 22.7	....
35	Sun II, N...............	8	48 30.31	+ 0.18	−26.58	307 54 6.75	48.105	+ 7.24	−1 19.2	21 48 3.91	−66.95	−13 6 57.1	....
36	Moon I, S...............	8	4 14.35	− 0.17	−26.69	341 46 6.18	44.089	+ 6.44	− 20.2	3 3 47.49	+68.52	+20 44 29.5	....
37	β Tauri.................	8	21 15.58	− 0.30	−26.70	349 34 5.98	43.228	+ 6.44	− 11.3	5 20 48.56	.....	+28 32 18.1	....
38	δ Orionis...............	8	28 1.36	+ 0.05	−26.70	320 40 4.80	44.950	+ 6.44	− 50.6	5 27 34.69	.....	− 0 21 42.8	....
39	α Orionis...............	8	50 55.52	− 0.03	−26.64	328 26 9.12	42.390	+ 6.44	− 38.0	5 50 28.76	.....	+ 7 23 35.1	....
40	μ Geminorum............	8	18 10.16	− 0.22	−26.70	343 34 6.78	47.175	+ 6.44	− 18.2	6 17 43.20	.....	+22 33 41.6	....
41	ζ Geminorum............	8	59 25.49	− 0.20	−26.71	341 44 8.72	42.795	+ 6.44	− 20.4	6 58 58.54	.....	+20 42 2.2	....
42	Neptune C, C...........	8	42 55.08	− 0.20	−26.77	341 52 10.55	45.548	+ 6.44	− 20.3	7 42 28.11	.....	+20 51 6.9	....
	February 13, P.												
43	α Virginis..............	8	21 4.30	+ 0.13	−26.97	310 20 10.48	43.330	+ 7.02	−1 12.8	13 20 37.49	.....	−10 42 35.8	....
44	α Ursæ Minoris s. p. ...	8	26 48.88	+59.62	−26.94	52 8 11.95	46.392	+ 7.02	+1 19.9	1 27 21.56	.....	+88 50 51.2	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
7 1 33	29.764	33.5	33.0
2 56	29.754	30.4	30.3
3 22	....	....	29.8
3 44	29.762	29.0	28.4
4 1	....	....	28.9
4 20	29.756	28.0	28.1
9 13 2	29.998	30.7	29.9
13 21	....	....	29.4
13 51	....	....	29.4
14 12	30.016	29.5	28.7
14 46	....	....	28.4
15 6	30.046	28.7	28.3
10 21 37	30.162	36.2	36.0
12 21 45	29.784	31.5	29.0
2 13	29.858	28.3	26.5
5 51	30.008	20.3	19.2
6 18	....	....	18.6
6 33	30.028	19.9	18.2
6 59	30.059	19.2	17.7
7 43	30.064	17.4	16.4
13 21 49	30.208	24.2	23.2
3 4	30.114	26.0	25.0
5 21	30.100	23.2	22.0
5 51	....	....	21.3
6 18	....	....	21.2
6 39	[illegible]	22.0	20.8
6 59	....	....	20.7
7 43	30.066	21.5	19.9
13 18	29.914	18.0	18.0
13 31	....	....	18.2

Micrometer bisections are made at II, VI, except as noted below.

1, 8, 10, 16, 44.	Bisections at $9\overset{\mathrm{r}}{.}5$, $10\overset{\mathrm{r}}{.}5$.
17, 24, 34.	Bisections at I, II.
18, 25, 35.	Bisections at VI, VII.
26, 36.	Bisections at II, III, V, VI.
33, 42.	Bisections at I, II, VI, VII.

Notes.

11.	Circle reading decreased 2′.
19, 22, 23.	Clouds.
26–33.	Conditions poor.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
17	+ 7.1	+16 11.3	...	+16 18.4
18	+ 7.1	−16 11.3	...	−16 4.2
24	+ 7.1	+16 12.8	...	+16 19.9
25	+ 7.0	−16 12.9	...	−16 5.9
26	+21 37.0	+15 11.2	...	+36 48.2
33	+ 0.1	.. ....	...	+ 0.1
34	+ 7.0	+16 12.8	...	+16 19.8
35	+ 7.0	−16 12.8	...	−16 5.8
36	+17 23.5	+15 23.4	...	+32 46.9
42	+ 0.1	.. ....	...	+ 0.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	η Boötis	8	51 0.82	− 0.17	**−27.01**	339 52 8.15	42.042	+ 7.02	− 22.7	13 50 33.70	.....	+18 49 42.7	....
2	ρ Boötis	8	28 33.21	− 0.38	−26.96	351 46 12.88	44.105	+ 7.02	− 8.9	14 28 5.87	.....	+30 44 47.8	....
3	α Libræ	8	46 31.14	+ 0.16	**−26.96**	305 22 9.10	42.970	+ 7.02	−1 27.4	14 46 4.33	.....	−15 41 0.0	....
4	β Libræ	8	12 46.76	+ 0.12	**−27.03**	311 58 9.52	44.900	+ 7.02	−1 8.9	15 12 19.90	.....	− 9 3 56.1	....
5	α Coronae Borealis	8	31 28.08	− 0.30	**−27.06**	348 2 12.10	42.312	+ 7.02	− 13.1	15 31 0.80	.....	+27 0 1.9	....
	February 14, P.												
6	Sun I, N	8	50 11.86	+ 0.20	−27.09	308 16 6.52	43.435	+ 6.48	−1 15.6	21 49 44.97	+66.79	−12 46 40.6	....
7	Sun II, S	8	52 25.44	+ 0.20	−27.09	307 44 6.22	42.425	+ 6.48	−1 17.0	21 51 58.55	−66.79	−13 19 6.0	....
8	Venus I, S	8	43 0.62	+ 0.01	−27.15	327 20 12.00	43.278	+ 6.13	− 37.7	0 42 33.48	+ 0.84	+ 6 17 58.7	....
9	α Ursæ Minoris	8	28 39.44	−52.13	−27.16	49 50 15.90	45.950	+ 6.48	+1 10.0	1 27 20.15	.....	+88 50 52.2	....
10	β Arietis	8	50 16.68	− 0.14	**[−27.06]**	341 24 12.80	45.335	+ 6.48	− 19.8	1 49 49.37	.....	+20 23 5.2	....
11	ο Tauri	8	20 35.22	0.00	**−27.17**	329 46 11.78	41.840	+ 6.48	− 34.6	3 20 8.04	.....	+ 8 43 29.3	....
12	η Tauri	8	42 46.27	− 0.18	**−27.17**	344 52 11.48	43.425	+ 6.48	− 16.0	3 42 18.90	.....	+23 50 24.2	....
13	γ Eridani	8	54 25.72	+ 0.18	**−27.15**	307 16 12.60	46.778	+ 6.48	−1 18.0	3 53 58.70	.....	−13 45 21.0	....
14	Moon I, S	8	0 16.29	− 0.19	−27.20	345 44 9.00	45.035	+ 6.48	− 15.1	3 59 48.90	+71.93	+24 42 59.2	....
15	δ Tauri	8	18 22.79	− 0.08	**−27.17**	338 22 10.58	44.078	+ 6.48	− 23.6	4 17 55.51	.....	+17 20 30.1	....
16	ε Tauri	8	24 0.01	− 0.10	**−27.20**	340 0 9.88	46.540	+ 6.48	− 21.6	4 23 32.70	.....	+18 59 27.8	....
17	α Tauri	8	31 23.61	− 0.07	**−27.21**	337 22 9.48	43.565	+ 6.48	− 24.8	4 30 56.33	.....	+16 20 15.8	....
	February 14, Ep.												
18	B. D.+87°9 S. P.	8	1 38.34	+28.02	−27.48	53 12 11.02	42.192	+ 6.90	+1 19.9	1 1 38.88	+34.83	+87 48 27.9	−19.6
19	α Virginis	8	21 4.85	+ 0.13	**−27.49**	310 20 11.12	43.215	+ 6.90	−1 10.2	13 20 37.49	.....	−10 42 35.3	....
20	α Ursæ Minoris S. P.	8	26 53.75	+52.70	−27.49	52 8 11.88	46.558	+ 6.90	+1 17.0	1 27 18.96	.....	+88 50 50.5	....
21	α Boötis	8	12 10.26	− 0.14	**−27.53**	340 40 11.32	42.000	+ 6.90	− 21.1	14 11 42.62	.....	+19 37 46.7	....
22	ρ Boötis	8	28 33.76	− 0.31	−27.51	351 46 10.68	44.182	+ 6.90	− 8.7	14 28 5.94	.....	+30 44 47.4	....
23	ε Boötis	8	41 39.98	− 0.25	**−27.56**	348 28 12.58	42.340	+ 6.90	− 12.3	14 41 12.22	.....	+27 26 3.7	....
24	α Libræ	8	46 31.74	+ 0.16	**−27.53**	305 22 12.58	42.730	+ 6.90	−1 24.7	14 46 4.38	.....	−15 40 59.5	....
25	B. D.+87°23 S. P.	7	58 29.49	+34.02	−27.52	52 48 13.08	43.002	+ 6.90	+1 19.6	2 58 35.99	+16.60	+88 12 7.7	−27.0
26	57 B. Ursæ Minoris	8	6 2.09	−23.94	−27.52	48 34 14.10	42.852	+ 6.90	+1 8.5	15 5 10.63	.....	+87 33 38.6	....
27	α Serpentis	8	40 26.86	0.00	**−27.57**	327 44 13.62	42.302	+ 6.90	− 38.2	15 39 59.33	.....	+ 6 41 38.4	....
	February 15, Ep.												
28	Sun I, S	8	54 6.39	+ 0.16	−27.70	308 4 8.20	43.540	+ 6.49	−1 14.2	21 53 38.85	+66.61	−12 58 35.1	....
29	Sun II, N	8	56 19.60	+ 0.16	−27.70	308 36 8.52	44.505	+ 6.49	−1 12.8	21 55 52.06	−66.60	−12 26 11.8	....
30	Moon I, S	8	1 34.66	− 0.19	−27.88	348 22 8.85	43.674	+ 7.32	− 12.1	5 1 6.59	+75.07	+27 20 31.0	....
31	β Tauri	8	21 16.61	− 0.20	**−27.87**	349 34 7.62	43.068	+ 7.32	− 10.8	5 20 48.52	.....	+28 32 17.5	....
32	δ Orionis	8	28 2.45	+ 0.09	**−27.86**	320 40 7.52	44.662	+ 7.32	− 48.2	5 27 34.65	.....	− 0 21 43.4	....
33	μ Geminorum	8	18 11.24	− 0.12	**−27.90**	343 34 10.40	46.940	+ 7.32	− 17.4	6 17 43.21	.....	+22 33 41.6	....
34	γ Geminorum	8	33 10.56	− 0.05	**−27.94**	337 30 11.85	44.242	+ 7.32	− 24.5	6 32 42.60	.....	+16 28 34.8	....
35	ε Geminorum	8	39 4.44	− 0.16	**−27.94**	346 14 9.30	45.610	+ 7.32	− 14.4	6 38 36.36	.....	+25 13 14.1	....
36	ζ Geminorum	8	59 26.61	− 0.10	**−27.94**	341 44 11.15	42.640	+ 7.32	− 19.5	6 58 58.59	.....	+20 42 2.9	....
37	Neptune C, C	8	42 44.54	− 0.10	−27.94	341 52 10.75	46.824	+ 7.32	− 19.4	7 42 16.50	.....	+20 51 38.1	....
	February 16, M.												
38	Moon I, N	8	7 19.08	− 0.24	−28.15	349 44 6.78	46.928	+ 6.53	− 10.5	6 6 50.69	+77.13	+28 43 44.4	....
39	μ Geminorum	8	18 11.51	− 0.15	**−28.15**	343 34 6.35	47.160	+ 6.53	− 17.1	6 17 43.21	.....	+22 33 42.0	....
40	γ Geminorum	8	33 10.81	− 0.09	**−28.16**	337 30 7.52	44.415	+ 6.53	− 24.1	6 32 42.57	.....	+16 28 34.0	....
41	ε Geminorum	8	39 4.69	− 0.18	**−28.18**	346 14 4.85	45.810	+ 6.53	− 14.2	6 38 36.35	.....	+25 13 13.7	....
42	ζ Geminorum	8	59 26.86	− 0.13	**−28.17**	341 44 6.15	42.865	+ 6.53	− 19.2	6 58 58.57	.....	+20 42 2.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
13 13 53	......	....	17.5
14 30	29.892	17.1	16.1
14 49	......	....	16.0
15 15	......	....	16.1
15 34	29.862	17.9	17.0
14 21 52	29.814	32.8	33.3
0 45	29.744	38.2	38.9
1 33	29.734	38.2	38.9
1 52	29.730	38.2	38.9
3 18	29.724	35.2	35.0
3 45	......	....	33.9
4 3	29.722	33.8	33.0
4 17	......	....	33.0
4 33	29.724	32.5	32.3
12 55	29.729	30.3	33.1
13 21	......	....	32.3
13 37	29.740	30.0	32.1
14 12	29.752	29.3	29.2
14 42	......	....	28.7
14 47	29.772	29.1	....
15 12	29.770	28.2	27.7
15 40	29.768	27.8	26.7
15 21 56	29.786	44.2	44.8
5 2	29.672	39.7	38.8
5 21	......	....	37.9
5 28	29.679	38.8	....
6 18	29.678	37.2	36.1
6 33	......	....	35.6
6 59	29.664	36.0	34.9
7 43	29.649	35.6	34.1
16 6 7	29.598	41.7	41.9
6 33	......	....	41.5
6 59	29.606	41.3	....

Micrometer bisections are made at II, VI, except as noted below.

5. Bisections at II, VII.
6, 28. Bisections at I, II.
7, 29. Bisections at VI, VII.
8, 37. Bisections at I, II, VI, VII.
9, 20, 25. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
14, 30, 38. Bisections at II, III, V, VI.
18, 26. Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.

Notes.
3–5. Clouds.
30–32. Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
6	+ 7.0	−16 12.7	...	−16 5.7
7	+ 7.0	+16 12.7	...	+16 19.7
8	+ 6.9	+ 12.6	...	+ 19.5
14	+13 51.1	+15 37.9	...	+29 29.0
28	+ 7.0	+16 11.6	...	+16 18.6
29	+ 6.9	−16 11.6	...	−16 4.7
30	+11 29.2	+15 53.8	...	+27 23.0
37	+ 0.1	.. ....	...	+ 0.1
38	+10 16.5	−16 10.1	...	− 5 53.6

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	λ Geminorum	8	13 35.43	− 0.09	**−28.11**	337 44 6.40	42.890	+ 6.53	− 23.9	7 13 7.17	.....	+16 41 58.5	....
2	ι Geminorum	8	20 49.68	− 0.22	**−28.19**	349 0 7.35	43.515	+ 6.53	− 11.3	7 20 21.29	.....	+27 58 25.7	....
3	Neptune C, C	8	42 39.14	− 0.13	−28.18	341 54 8.32	42.368	+ 6.53	− 19.1	7 42 10.83	.....	+20 51 53.3	....
	February 17, M.												
4	μ Geminorum	6	18 11.88	− 0.19	**−28.49**	343 34	......	....	.....	6 17 43.11	.....	+22 33	....
5	γ Geminorum	7	33 11.31	− 0.12	**−28.64**	337 30 9.98	44.360	+ 6.41	− 24.5	6 32 42.61	.....	+16 28 34.7	....
6	ε Geminorum	8	39 5.15	− 0.23	**−28.60**	346 14	......	....	.....	6 38 36.34	.....	+25 13	....
7	ξ Geminorum	8	40 54.44	− 0.09	**−28.55**	334 0 8.32	47.045	+ 6.41	− 28.8	6 40 25.77	.....	+12 59 30.4	....
8	ζ Geminorum	7	59 27.23	− 0.17	**−28.51**	341 44 7.92	42.810	+ 6.41	− 19.5	6 58 58.47	.....	+20 42 2.6	....
9	Moon I, N	8	15 15.28	− 0.27	−28.60	348 30 6.98	44.389	+ 6.41	− 12.0	7 14 46.41	+77.47	+27 28 44.4	....
10	ι Geminorum	8	20 50.09	− 0.26	**−28.56**	349 0 8.75	43.500	+ 6.41	− 11.5	7 20 21.23	.....	+27 58 26.4	....
	February 17, P.												
11	α Virginis	8	21 6.30	+ 0.05	**−28.78**	310 20 10.85	43.222	+ 7.07	−1 10.8	13 20 37.57	.....	−10 42 35.8	....
12	α Ursæ Minoris s. p.	8	26 58.56	+49.22	−28.78	52 8 11.05	46.570	+ 7.07	+1 17.6	1 27 19.00	.....	+88 50 50.3	....
13	η Boötis	8	51 2.75	− 0.18	**−28.82**	339 52 10.82	41.898	+ 7.07	− 22.1	13 50 33.78	.....	+18 49 42.7	....
14	α Boötis	8	12 11.66	− 0.19	**−28.79**	340 40 9.55	42.085	+ 7.07	− 21.2	14 11 42.68	.....	+19 37 47.0	....
15	α Libræ	8	46 33.18	+ 0.09	**−28.80**	305 22 9.88	42.838	+ 7.07	−1 25.0	14 46 4.47	.....	−15 41 0.8	....
16	B. D.+87°23 s. p.	8	58 32.22	+31.77	−28.81	52 48 11.45	43.045	+ 7.07	+1 19.9	2 58 35.18	+18.38	+88 12 7.9	−26.9
17	57 B. Ursæ Minoris	8	6 3.50	−22.43	−28.81	48 34 10.58	42.970	+ 7.07	+1 8.7	15 5 12.26	.....	+87 33 38.1	....
18	α Serpentis	8	40 28.34	− 0.05	**−28.91**	327 44 12.45	42.325	+ 7.07	− 38.3	15 39 59.47	.....	+ 6 41 37.8	....
19	β¹ Scorpii	8	0 51.61	+ 0.12	**−28.90**	301 28 8.68	45.485	+ 7.07	−1 38.7	16 0 22.90	.....	−19 34 13.6	....
20	151 H¹. Cephei s. p.	8	9 8.06	+12.59	−28.83	55 40 11.28	43.042	+ 7.07	+1 29.0	4 8 51.82	.....	+85 19 59.8	....
	February 18, P.												
21	Sun I, S	8	5 45.51	+ 0.03	−28.96	309 6 6.88	45.200	+ 7.29	−1 13.8	22 5 16.58	+66.39	−11 55 57.3	....
22	Sun II, N	8	7 58.29	+ 0.03	−28.96	309 38 8.42	46.205	+ 7.29	−1 12.4	22 7 29.36	−66.39	−11 23 31.6	....
23	Venus I, S	8	56 49.85	− 0.04	−29.01	329 16 9.70	41.635	+ 7.15	− 35.3	0 56 20.80	+ 0.89	+ 8 13 22.3	....
24	α Ursæ Minoris	8	28 33.19	−47.52	−29.02	49 50 7.10	46.215	+ 7.15	+1 10.6	1 27 16.65	.....	+88 50 50.8	....
25	β Arietis	8	50 18.54	− 0.16	[**−28.95**]	341 24 7.48	45.500	+ 7.15	− 19.9	1 49 49.35	.....	+20 23 4.3	....
26	ε Geminorum	8	39 5.72	− 0.23	**−29.18**	346 14 9.60	45.642	+ 6.78	− 14.6	6 38 36.36	.....	+25 13 14.4	....
27	ξ Geminorum	8	40 55.02	− 0.10	**−29.13**	334 0 11.48	46.905	+ 6.78	− 29.2	6 40 25.79	.....	+12 59 30.4	....
28	ζ Geminorum	8	59 27.84	− 0.18	**−29.12**	341 44 9.35	42.755	+ 6.78	− 19.8	6 58 58.52	.....	+20 42 2.9	....
29	λ Geminorum	8	13 36.49	− 0.14	**−29.13**	337 44 11.50	42.690	+ 6.78	− 24.6	7 13 7.21	.....	+16 41 58.5	....
30	β Geminorum	8	40 30.98	− 0.28	**−29.17**	349 16 11.28	43.085	+ 6.78	− 11.4	7 40 1.55	.....	+28 14 20.1	....
31	β Cancri	8	12 18.82	− 0.08	**−29.15**	330 28 9.32	46.628	+ 6.78	− 34.0	8 11 49.58	.....	+ 9 27 17.2	....
32	Moon I, N	8	22 28.01	− 0.24	−29.17	345 6 10.22	45.476	+ 6.78	− 16.0	8 21 58.60	+76.16	+24 5 9.6	....
	February 18, Ep.												
33	α Virginis	8	21 6.94	+ 0.05	**−29.40**	310 20 13.12	43.130	+ 6.90	−1 11.4	13 20 37.62	.....	−10 42 36.4	....
34	α Ursæ Minoris s. p.	8	26 56.81	+50.32	−29.38	52 8 13.10	46.460	+ 6.90	+1 18.3	1 27 17.75	.....	+88 50 50.1	....
35	ρ Boötis	7	28 35.77	− 0.36	−29.40	351 46 12.42	44.115	+ 6.90	− 8.7	14 28 6.01	.....	+30 44 47.6	....
36	ε Boötis	8	41 42.00	− 0.31	**−29.39**	348 28 13.90	42.280	+ 6.90	− 12.3	14 41 12.29	.....	+27 26 3.7	....
37	α Libræ	8	46 33.80	+ 0.07	**−29.37**	305 22 13.30	42.685	+ 6.90	−1 25.3	14 46 4.47	.....	−15 41 0.4	....
38	β Libræ	8	12 49.38	+ 0.04	**−29.41**	311 58 12.62	44.648	+ 6.90	−1 7.3	15 12 20.01	.....	− 9 3 57.3	....
39	α Coronæ Borealis	8	31 30.61	− 0.30	**−29.42**	348 2 12.35	42.270	+ 6.90	− 12.8	15 31 0.89	.....	+27 0 1.4	....
	February 19, Ep.												
40	Sun I, N	8	9 37.04	+ 0.14	−29.55	310 0 10.22	43.990	+ 6.54	−1 9.2	22 9 7.63	+66.24	−11 2 17.8	....
41	Sun II, S	8	11 49.52	+ 0.14	−29.55	309 28 9.25	43.115	+ 6.54	−1 10.5	22 11 20.11	−66.24	−11 34 40.3	....
42	Mercury C	.	.. ..	.....	.....	310 18 8.70	43.019	+ 6.54	−1 8.4	22 34	.....	−10 44 40.2	....
43	Venus I, S	8	0 13.16	0.00	−29.60	329 44 7.82	42.502	+ 7.06	− 33.6	0 59 43.56	+ 0.90	+ 8 41 42.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
16 7 21	......	....	40.4
7 43	29.624	40.4	39.3
17 6 18	29.760	36.6	....
6 33	......	....	36.6
6 59	......	....	37.1
7 21	29.784	36.6	36.7
13 18	29.888	32.0	30.8
13 31	......	....	30.9
13 53	......	....	30.5
14 14	29.910	30.9	30.0
14 48	......	....	29.2
15 15	29.930	30.0	28.8
15 43	......	....	28.0
16 12	29.950	28.8	28.0
18 22 8	30.021	35.0	33.7
0 59	29.990	39.3	38.3
1 33	......	....	39.0
1 52	29.992	39.4	39.1
6 35	30.000	34.8	34.3
7 2	......	....	34.0
7 38	30.010	33.0	33.6
8 11	......	....	33.0
8 25	30.012	32.3	32.8
13 21	29.992	29.2	28.5
14 29	29.987	29.3	28.7
14 47	......	....	28.7
15 13	29.986	29.7	28.7
15 32	29.985	29.4	28.3
19 22 12	29.934	46.2	47.9
22 34	29.924	47.0	48.0
1 0	29.884	51.2	51.4

Micrometer bisections are made at II, VI, except as noted below.

3, 23, 42, 43.	Bisections at I, II, VI, VII.
9, 32.	Bisections at II, III, V, VI.
12, 16, 20, 24, 34.	Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
17.	Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.
21, 40.	Bisections at I, II.
22, 41.	Bisections at VI, VII.
35.	Bisection at VI.

Notes.

4, 5, 34, 35. Clouds.
8. Very faint.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
3	+ 0.1	.. ....	...	+ 0.1
9	+11 43.4	−16 25.2	...	− 4 41.8
21	+ 6.9	+16 12.8	...	+16 19.7
22	+ 6.8	−16 12.8	...	−16 6.0
23	+ 6.8	+ 13.2	...	+ 20.0
32	+15 22.7	−16 37.4	...	− 1 14.7
40	+ 6.8	−16 11.2	...	−16 4.4
41	+ 6.8	+16 11.3	...	+16 18.1
42	+ 5.0	.. ....	0.0	+ 5.0
43	+ 6.8	+ 13.3	...	+ 20.1

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	θ Ceti	8	20 9.63	+ 0.09	[−29.53]	312 24 6.72	44.655	+ 7.06	−1 3.0	1 19 40.11	.....	− 8 37 58.8	....
2	α Ursæ Minoris	8	28 25.94	−40.64	−29.61	49 50 7.65	46.315	+ 7.06	+1 8.5	1 27 15.69	.....	+88 50 51.4	....
3	β Canis Minoris	8	22 57.31	− 0.06	−29.75	329 30 11.50	43.128	+ 6.75	− 34.5	7 22 27.52	.....	+ 8 27 58.6	....
4	β Geminorum	8	40 31.52	− 0.24	−29.76	349 16 11.10	43.100	+ 6.75	− 11.1	7 40 1.54	.....	+28 14 20.5	....
5	β Cancri	8	12 19.41	− 0.06	−29.76	330 28 10.55	46.515	+ 6.75	− 33.1	8 11 49.60	.....	+ 9 27 16.8	....
6	30 Monocerotis	8	21 50.16	+ 0.01	−29.75	317 24 11.32	45.785	+ 6.75	− 53.8	8 21 20.42	.....	− 3 37 20.2	....
7	ε Hydræ	8	42 41.70	− 0.04	−29.72	327 46 10.30	44.130	+ 6.75	− 36.9	8 42 11.90	.....	+ 6 44 18.0	....
8	ζ Hydræ	8	51 19.30	− 0.04	−29.76	327 18 10.60	44.955	+ 6.75	− 37.6	8 50 49.50	.....	+ 6 16 37.1	....
9	Moon I, N	8	26 40.91	− 0.14	−29.77	339 50 12.15	46.820	+ 6.75	− 21.5	9 26 11.00	+73.87	+18 49 36.8	....
	February 21, P.												
10	Sun I, N	7	17 18.22	+ 0.04	−30.36	310 42 10.02	46.568	+ 7.21	−1 5.5	22 16 47.90	+66.06	−10 19 14.3	....
11	Sun II, S	8	19 30.33	+ 0.04	−30.36	310 10 7.45	45.770	+ 7.21	−1 6.8	22 19 0.01	−66.05	−10 51 37.3	....
12	γ Eridani	8	54 28.96	+ 0.07	−30.39	307 16 7.25	46.795	+ 7.44	−1 14.3	3 53 58.58	.....	−13 45 21.3	....
13	ν Tauri	8	59 2.45	− 0.01	−30.42	326 46 7.62	46.058	+ 7.44	− 37.1	3 58 31.98	.....	+ 5 45 0.1	....
14	δ Tauri	8	18 25.98	− 0.08	−30.47	338 22 7.35	44.132	+ 7.44	− 22.5	4 17 55.44	.....	+17 20 30.2	....
15	ε Tauri	8	24 3.25	− 0.10	−30.55	340 0 8.08	46.535	+ 7.44	− 20.6	4 23 32.69	.....	+18 59 27.9	....
16	α Tauri	7	31 26.77	− 0.08	−30.47	337 22 8.20	43.512	+ 7.44	− 23.7	4 30 56.22	.....	+16 20 15.3	....
17	ι Aurigæ	8	51 51.02	− 0.24	−30.47	354 2 11.05	47.165	+ 7.44	− 5.9	4 51 20.31	.....	+33 1 0.1	....
	February 22, P.												
18	β Virginis	8	46 42.52	− 0.03	−31.03	323 16 11.25	46.502	+ 7.73	− 42.4	11 46 11.39	.....	+ 2 15 8.7	....
19	ο Virginis	8	1 19.51	− 0.07	−31.06	330 14 8.32	45.268	+ 7.73	− 32.6	12 0 48.33	.....	+ 9 12 47.3	....
20	η Virginis	8	15 59.91	0.00	−31.10	320 50 10.18	45.920	+ 7.73	− 46.5	12 15 28.80	.....	− 0 11 9.8	....
21	Moon II, S	8	21 5.31	+ 0.02	−31.11	317 46 11.45	45.138	+ 7.73	− 51.9	12 20 34.22	−68.70	− 3 15 31.8	....
22	δ Virginis	8	51 45.85	− 0.01	−31.15	324 54 11.35	43.412	+ 7.73	− 40.3	12 51 14.72	.....	+ 3 52 0.2	....
23	ε Virginis	8	58 23.50	− 0.05	−31.16	332 26 11.22	46.438	+ 7.73	− 29.9	12 57 52.33	.....	+11 25 19.4	....
24	α Virginis	7	21 8.82	+ 0.08	−31.20	310 20 12.85	42.908	+ 7.73	−1 7.6	13 20 37.77	.....	−10 42 37.2	....
25	α Ursæ Minoris s. p.	7	27 4.49	+37.61	−31.13	52 8 14.95	46.532	+ 7.73	+1 14.2	1 27 10.97	.....	+88 50 50.0	....
	February 24, P.												
26	β Libræ	8	12 52.19	+ 0.02	−32.02	311 58 8.95	44.750	+ 8.44	−1 8.0	15 12 20.17	.....	− 9 3 57.8	....
27	α Coronæ Borealis	8	31 33.47	− 0.30	−32.09	348 2 11.82	42.250	+ 8.44	− 13.0	15 31 1.12	.....	+27 0 1.8	....
28	α Serpentis	8	40 31.68	− 0.08	−32.00	327 44 11.30	42.305	+ 8.44	− 38.7	15 39 59.55	.....	+ 6 41 37.2	....
29	δ Scorpii	8	55 43.67	+ 0.07	−32.06	298 40 10.92	44.910	+ 8.44	−1 51.8	15 55 11.68	.....	−22 22 37.5	....
30	β¹ Scorpii	8	0 55.07	+ 0.06	−32.06	301 28 5.12	45.610	+ 8.44	−1 40.0	16 0 23.07	.....	−19 34 14.2	....
31	δ Ophiuchi	8	10 19.72	− 0.01	−32.10	317 34 9.48	42.785	+ 8.44	− 56.1	16 9 47.65	.....	− 3 28 31.2	....
	February 25, P.												
32	Sun I, S	6	32 32.70	+ 0.06	−32.22	311 38 8.82	45.598	+ 7.52	−1 8.2	22 32 0.54	+65.76	− 9 23 39.3	....
33	Sun II, N	8	34 44.21	+ 0.06	−32.22	312 10 5.35	46.682	+ 7.52	−1 6.9	22 34 12.05	−65.75	− 8 51 17.8	....
34	α Ursæ Minoris	8	28 30.31	−47.63	−32.28	49 50 6.25	46.142	+ 7.18	+1 11.3	1 27 10.40	.....	+88 50 49.0	....
35	β Arietis	8	50 21.76	− 0.13	[−32.29]	341 24 6.68	45.554	+ 7.18	− 20.1	1 49 49.34	.....	+20 23 4.5	....
36	ι Aurigæ	8	51 52.88	− 0.31	−32.38	354 2 9.25	47.258	+ 7.16	− 6.2	4 52 20.19	.....	+33 1 59.8	....
37	β Orionis	8	10 54.44	+ 0.11	−32.40	312 44 10.62	44.320	+ 7.16	−1 5.1	5 10 22.16	.....	− 8 18 4.7	....
38	β Tauri	8	21 20.99	− 0.24	−32.38	349 34 11.48	42.965	+ 7.16	− 11.1	5 20 48.36	.....	+28 32 18.5	....
39	δ Orionis	8	28 6.86	+ 0.06	−32.38	320 40 11.52	44.578	+ 7.16	− 49.4	5 27 34.53	.....	− 0 21 42.7	....
40	α Orionis	8	51 1.09	0.00	−32.39	328 26 13.00	42.132	+ 7.16	− 37.1	5 50 28.69	.....	+ 7 23 34.7	....
41	μ Geminorum	8	18 15.62	− 0.16	−32.36	343 34 12.98	46.858	+ 7.16	− 17.8	6 17 43.05	.....	+22 33 41.7	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
19 1 20	......	....	51.3
1 28	29.881	51.5	....
7 23	29.876	44.4	43.3
7 41	......	....	43.1
8 12	29.869	44.3	43.0
8 43	29.862	44.1	42.6
9 27	29.857	42.2	42.0
21 22 20	29.900	60.0	61.6
3 52	29.824	59.6	58.6
4 16	......	....	57.9
4 34	......	....	57.5
4 53	29.835	58.1	56.9
22 11 42	29.450	50.2	49.9
11 58	......	....	49.0
12 22	29.450	48.9	47.8
12 50	......	....	46.8
13 0	......	....	46.1
13 20	......	....	45.9
13 31	29.458	46.3	45.0
24 15 11	29.828	23.3	21.7
15 31	......	....	21.0
15 43	......	....	21.0
16 3	......	....	20.7
16 12	29.845	22.1	20.4
25 22 35	29.900	28.7	27.0
1 24	29.866	33.0	32.0
1 52	29.870	33.2	32.0
4 49	29.920	31.2	31.0
5 13	......	....	30.8
5 30	29.920	30.4	30.4
5 53	......	....	29.9
6 20	29.926	29.1	30.0

Micrometer bisections are made at II, VI, except as noted below.

2, 25, 34.	Bisections at $9^r.5$, $10^r.5$.
9, 21.	Bisections at II, III, V, VI.
10, 32.	Bisections at I, II.
11.	Bisection at VI.
33.	Bisections at VI, VII.
35.	Bisections at I, II, VI, VII.
36.	Bisections at II, VII.

Notes.

15, 16. Clouds.

18–25. Fuzzy.

No,	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+20 51.9	−16 44.9	...	+ 4 7.0
10	+ 6.7	−16 11.4	...	−16 4.7
11	+ 6.8	+16 11.5	...	+16 18.3
21	+40 29.7	+16 32.4	...	+57 2.1
32	+ 6.6	+16 10.7	...	+16 17.3
33	+ 6.5	−16 10.7	...	−16 4.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	February 25, Ep.		m s	s	s	° ' "	r	"	' "	h m s	s	° ' "	"
1	Moon II, S.	8	4 37.26	+ 0.18	−32.69	298 46 8.38	43.566	+ 7.46	−1 51.0	15 4 4.75	−70.32	−22 17 10.8	....
2	δ Scorpii	8	55 44.33	+ 0.19	−32.71	298 40 9.32	44.950	+ 7.46	−1 51.3	15 55 11.81	.....	−22 22 38.7	....
3	β¹ Scorpii	8	0 55.67	+ 0.18	**−32.75**	301 28 10.02	45.370	+ 7.46	−1 39.5	16 0 23.14	.....	−19 34 15.3	....
4	δ Ophiuchi	8	10 20.29	+ 0.08	**−32.73**	317 34 9.28	42.815	+ 7.46	− 55.9	16 9 47.66	.....	− 3 28 31.5	....
5	α Scorpii	8	24 37.18	+ 0.20	−32.72	294 48 9.30	46.158	+ 7.46	−2 11.5	16 24 4.66	.....	−26 14 30.8	....
6	β Herculis	8	27 2.11	− 0.16	**−32.72**	342 42 9.35	43.412	+ 7.46	− 19.0	16 26 29.23	.....	+21 40 19.4	....
7	κ Ophiuchi	8	54 6.04	− 0.02	**−32.74**	330 32 10.88	43.798	+ 7.46	− 34.5	16 53 33.29	.....	+ 9 30 14.2	....
	February 27, P.												
8	α Virginis	8	21 11.40	− 0.08	**−33.50**	310 19 51.22	43.730	+ 8.48	−1 6.2	13 20 37.82	.....	−10 42 37.8	....
9	α Ursæ Minoris s. p.	8	27 5.62	+39.68	−33.50	52 7 52.42	47.630	+ 8.48	+1 12.7	1 27 11.80	.....	+88 50 48.2	....
10	α Libræ	8	46 38.44	− 0.17	**−33.50**	305 22 7.90	42.520	+ 8.64	−1 19.4	14 46 4.74	.....	−15 41 1.9	....
11	β Libræ	8	12 53.91	− 0.03	**−33.55**	311 58 7.55	44.555	+ 8.64	−1 2.7	15 12 20.30	.....	− 9 3 58.2	....
12	α Serpentis	8	40 33.41	− 0.15	**−33.57**	327 44 9.02	42.235	+ 8.64	− 35.7	15 39 59.72	.....	+ 6 41 36.5	....
13	δ Scorpii	8	55 45.49	− 0.06	−33.55	298 40 6.62	44.635	+ 8.64	−1 43.0	15 55 11.88	.....	−22 22 39.1	....
14	δ Ophiuchi	8	10 21.34	− 0.10	**−33.54**	317 34 8.92	42.598	+ 8.64	− 51.8	16 9 47.69	.....	− 3 28 31.5	....
15	α Scorpii	8	24 38.44	− 0.06	−33.56	294 48 8.68	45.682	+ 8.64	−2 1.9	16 24 4.82	.....	−26 14 31.4	....
16	Moon II, S.	8	0 0.87	− 0.06	−33.57	292 12 7.78	44.559	+ 8.64	−2 18.0	16 59 27.24	−71.88	−28 51 13.6	....
	February 28, P.												
17	Sun I, N.	8	43 52.89	− 0.07	−33.68	313 18 10.00	44.625	+ 9.00	− 59.1	22 43 19.14	+65.52	− 7 43 49.9	....
18	Sun II, S.	8	46 3.93	− 0.07	−33.68	312 46 11.02	43.845	+ 9.00	−1 0.2	22 45 30.18	−65.52	− 8 16 8.7	....
19	Mercury I, C.	8	34 51.41	− 0.05	−33.70	317 56 12.38	44.786	+ 8.08	− 48.2	23 34 17.66	+ 0.19	− 3 5 35.0	....
20	α Tauri	8	31 30.01	− 0.08	**−33.82**	337 22 9.98	43.408	+ 7.87	− 23.7	4 30 56.13	.....	+16 20 15.2	....
21	ι Aurigæ	8	51 54.21	− 0.25	−33.81	354 2 11.15	47.122	+ 7.97	− 5.9	4 51 20.15	.....	+33 1 59.7	....
22	β Orionis	8	10 55.86	+ 0.05	**−33.81**	312 44 11.55	44.108	+ 8.05	−1 1.9	5 10 22.10	.....	− 8 18 4.5	....
23	β Tauri	8	21 22.34	− 0.21	**−33.80**	349 34 12.62	42.855	+ 8.10	− 10.5	5 20 48.31	.....	+28 32 18.7	....
24	δ Orionis	8	28 8.29	+ 0.02	**−33.81**	320 40 11.90	44.400	+ 8.13	− 47.0	5 27 34.49	.....	− 0 21 43.0	....
25	α Orionis	8	51 2.51	− 0.03	**−33.83**	328 26 11.15	42.105	+ 8.24	− 35.3	5 50 28.66	.....	+ 7 23 35.2	....
	March 2, M.												
26	α Virginis	8	21 12.70	+ 0.09	**−34.91**	310 20 7.02	43.282	+ 9.25	−1 12.7	13 20 37.90	.....	−10 42 38.0	....
27	α Ursæ Minoris s. p.	6	26 53.05	+50.27	−34.89	52 8 5.22	46.715	+ 9.25	+1 19.7	1 27 8.43	.....	+88 50 48.4	....
28	η Boötis	8	51 9.10	− 0.16	**−34.85**	339 52 4.32	42.025	+ 9.25	− 22.6	13 50 34.04	.....	+18 49 40.8	....
29	α Boötis	8	12 18.14	− 0.17	**−34.92**	340 40 4.42	42.165	+ 9.25	− 21.7	14 11 43.06	.....	+19 37 45.3	....
30	ρ Boötis	8	28 41.61	− 0.33	−34.91	351 46 7.38	44.240	+ 9.25	− 8.3	14 28 6.37	.....	+30 44 48.2	....
31	ε Boötis	8	41 47.86	− 0.28	**−34.92**	348 28 7.58	42.422	+ 9.25	− 12.6	14 41 12.66	.....	+27 26 2.6	....
32	α Libræ	8	46 39.69	+ 0.11	**−34.94**	305 22 8.65	42.750	+ 9.25	−1 26.8	14 46 4.88	.....	−15 41 2.7	....
	March 3, M.												
33	Sun I, S.	8	55 7.95	+ 0.11	−35.07	313 54 1.48	45.715	+ 8.26	−1 0.9	22 54 32.99	+65.23	− 7 7 36.8	....
34	Sun II, N.	8	57 18.42	+ 0.11	−35.07	314 26 2.50	46.315	+ 8.26	− 59.8	22 56 43.46	−65.24	− 6 35 21.7	....
35	Mercury I, C.	8	53 2.35	+ 0.07	−35.09	320 34 3.50	43.372	+ 8.26	− 48.0	23 52 27.33	+ 0.20	− 0 28 15.9	....
36	β Tauri	8	21 23.75	− 0.24	**−35.24**	349 34 0.22	43.408	+ 7.64	− 10.6	5 20 48.32	.....	+28 32 18.3	....
37	δ Orionis	8	28 9.65	+ 0.01	**−35.21**	320 40 3.40	44.782	+ 7.64	− 47.4	5 27 34.46	.....	− 0 21 43.7	....
38	α Orionis	8	51 3.85	− 0.04	**−35.20**	328 26 4.12	42.418	+ 7.64	− 35.6	5 50 28.61	.....	+ 7 23 34.4	....
39	μ Geminorum	8	18 18.36	− 0.17	**−35.18**	343 34 3.95	47.225	+ 7.64	− 17.1	6 17 42.98	.....	+22 33 42.2	....
40	γ Geminorum	8	33 17.73	− 0.11	**−35.24**	337 30 4.75	44.505	+ 7.64	− 24.1	6 32 42.40	.....	+16 28 34.4	....
41	ε Geminorum	8	39 11.52	− 0.20	**−35.18**	346 14 3.78	45.830	+ 7.64	− 14.2	6 38 36.10	.....	+25 13 14.1	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
25 15 5	29.975	25.2	24.3
15 56	......	....	24.8
16 1	29.974	25.3	....
16 30	29.978	25.7	24.7
16 54	29.979	25.3	24.7
27 13 19	29.410	54.0	55.0
13 32	......	....	54.3
14 44	29.440	53.0	53.7
15 15	......	....	53.8
15 42	29.468	53.0	53.9
15 58	......	....	53.5
16 12	......	....	53.0
16 26	29.485	52.5	52.8
17 0	29.492	52.0	52.0
28 22 46	29.640	63.7	63.3
23 35	29.630	64.2	64.0
4 29	29.710	57.0	54.7
4 54	......	....	52.8
5 13	29.724	53.8	51.2
5 30	......	....	50.8
5 52	29.740	51.5	50.0
2 13 21	30.070	22.7	21.5
13 51	......	....	21.4
14 12	......	....	21.3
14 47	30.066	23.7	21.8
3 22 57	30.022	43.0	44.5
23 53	29.996	46.1	47.0
5 21	29.924	50.7	50.2
5 51	......	....	49.1
6 18	......	....	48.4
6 39	29.934	48.8	47.7

Micrometer bisections are made at II, VI, except as noted below.

1, 16. Bisections at II, III, V, VI.
9, 27. Bisections at $9\overset{r}{.}5$, $10\overset{r}{.}5$.
15, 19, 35. Bisections at I, II, VI, VII.
17, 33. Bisections at I, II.
18, 34. Bisections at VI, VII.

Note.
3. Haze.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	' "	' "	"	' "
1	+50 29.8	+15 46.5	...	+66 16.3
16	+51 42.1	+15 17.0	...	+66 59.1
17	+ 6.4	−16 9.3	...	−16 2.9
18	+ 6.5	+16 9.4	...	+16 15.9
19	+ 4.9	.. ....	+ 0.2	+ 5.1
33	+ 6.4	+16 7.5	...	+16 13.9
34	+ 6.3	−16 7.5	...	−16 1.2
35	+ 5.0	.. ....	+ 0.3	+ 5.3

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 5, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	8	2 36.20	+ 0.07	−36.25	314 40 7.80	45.738	+ 8.36	− 58.5	23 2 0.02	+65.08	− 6 21 27.3	....
2	Sun II, N.	8	4 46.36	+ 0.07	−36.25	315 12 8.00	46.395	+ 8.36	− 57.4	23 4 10.18	−65.08	− 5 49 11.8	....
3	Mercury I, C.	8	4 6.14	+ 0.05	−36.27	322 14 7.40	44.354	+ 8.35	− 44.7	0 3 29.92	+ 0.21	+ 1 12 13.9	....
4	α Ursæ Minoris	7	28 19.44	−38.77	−36.30	49 50 8.20	46.090	+ 8.35	+1 8.4	1 27 4.37	.....	+88 50 48.0	....
5	Venus I, S.	8	44 2.74	− 0.05	−36.30	335 48 6.95	45.611	+ 8.35	− 25.8	1 43 26.39	+ 1.10	+14 47 1.6	....
6	α Orionis	8	51 4.95	− 0.02	**−36.35**	328 26 8.18	42.235	+ 8.22	− 35.6	5 50 28.49	.....	+ 7 23 34.8	....
7	μ Geminorum	8	18 19.57	− 0.14	**−36.45**	343 34 10.00	46.925	+ 8.22	− 17.1	6 17 42.98	.....	+22 33 42.0	....
8	γ Geminorum	8	33 18.89	− 0.08	**−36.46**	337 30 9.25	44.305	+ 8.22	− 24.0	6 32 42.35	.....	+16 28 35.0	....
9	ξ Geminorum	8	41 2.14	− 0.06	**−36.48**	334 0 9.52	46.900	+ 8.22	− 28.3	6 40 25.62	.....	+12 59 30.6	....
10	ζ Geminorum	8	59 35.00	− 0.12	**−36.51**	341 44 10.52	42.652	+ 8.22	− 19.2	6 58 58.41	.....	+20 42 3.7	....
11	ι Geminorum	8	20 57.81	− 0.20	**−36.51**	349 0 11.40	43.322	+ 8.22	− 11.3	7 20 21.14	.....	+27 58 27.0	....
	March 6, M.												
12	Sun I, S.	8	6 19.11	+ 0.06	−36.56	315 2 11.75	48.775	+ 8.83	− 58.3	23 5 42.61	+65.11	− 5 58 13.4	....
13	Sun II, N.	8	8 29.32	+ 0.06	−36.56	315 34 12.80	49.485	+ 8.83	− 57.2	23 7 52.82	−65.10	− 5 25 55.9	....
14	Mercury I, C.	8	9 13.26	+ 0.05	−36.59	323 2 8.65	44.300	+ 8.67	− 44.1	0 8 36.72	+ 0.21	+ 2 0 15.1	....
15	α Ursæ Minoris	8	28 23.38	−39.21	−36.61	49 50 9.52	45.880	+ 8.67	+1 9.9	1 27 7.56	.....	+88 50 46.3	....
16	Venus I, S.	8	46 51.41	− 0.05	−36.62	336 12 9.82	44.006	+ 8.67	− 26.0	1 46 14.74	+ 1.11	+15 10 27.5	....
17	β Arietis	8	50 25.86	− 0.10	**[−36.51]**	341 24 9.82	45.328	+ 8.67	− 19.8	1 49 49.14	.....	+20 23 4.2	....
18	β Orionis	8	10 58.64	+ 0.01	**−36.66**	312 44 12.40	44.185	+ 8.56	−1 5.0	5 10 22.01	.....	− 8 18 4.5	....
19	β Tauri	8	21 25.18	− 0.29	**−36.67**	349 34 10.35	42.955	+ 8.56	− 11.0	5 20 48.25	.....	+28 32 18.6	....
20	δ Orionis	8	28 11.09	− 0.03	**−36.66**	320 40 11.08	44.535	+ 8.56	− 49.3	5 27 34.41	.....	− 0 21 42.6	....
21	α Orionis	8	51 5.29	− 0.08	**−36.65**	328 26 11.55	42.130	+ 8.56	− 37.0	5 50 28.56	.....	+ 7 23 34.7	....
22	μ Geminorum	8	18 19.88	− 0.21	**−36.71**	343 34 11.38	46.852	+ 8.56	− 17.8	6 17 43.01	.....	+22 33 41.3	....
	March 6, P.												
23	α Virginis	8	21 14.78	+ 0.04	**−36.86**	310 20 9.08	43.138	+ 9.92	−1 12.5	13 20 37.95	.....	−10 42 38.4	....
24	α Ursæ Minoris s. p.	8	26 55.25	+48.57	−36.87	52 8 7.38	46.628	+ 9.92	+1 19.6	1 27 6.95	.....	+88 50 47.8	....
25	ρ Boötis	8	28 43.68	− 0.33	−36.89	351 46 7.88	44.245	+ 9.73	− 8.9	14 28 6.46	.....	+30 44 48.7	....
26	ε Boötis	8	41 49.96	− 0.28	**−36.91**	348 28 7.82	42.468	+ 9.63	− 12.6	14 41 12.78	.....	+27 26 4.3	....
27	α Libræ	8	46 41.78	+ 0.06	**−36.87**	305 22 7.78	42.828	+ 9.59	−1 27.0	14 46 4.94	.....	−15 41 1.7	....
28	β Libræ	8	12 57.34	+ 0.03	**−36.89**	311 58 9.32	44.722	+ 9.39	−1 8.8	15 12 20.46	.....	− 9 3 58.0	....
29	α Coronæ Borealis	8	31 38.62	− 0.28	**−36.95**	348 2 11.42	42.152	+ 9.25	− 13.1	15 31 1.43	.....	+26 59 59.8	....
	March 7, P.												
30	Sun I, S.	8	10 2.01	+ 0.06	−37.07	315 28 5.30	41.965	+ 8.98	−1 0.7	23 9 25.00	+65.08	− 5 34 57.5	....
31	Sun II, N.	8	12 12.16	+ 0.06	−37.07	316 0 5.72	42.735	+ 8.98	− 59.5	23 11 35.15	−65.07	− 5 2 39.2	....
32	Mercury I, C.	8	14 1.86	+ 0.05	−37.10	323 48 6.85	44.625	+ 8.11	− 44.9	0 13 24.81	+ 0.22	+ 2 46 19.7	....
33	α Ursæ Minoris	8	28 25.88	−48.41	−37.12	49 50 7.55	45.905	+ 8.51	+1 12.8	1 27 0.35	.....	+88 50 47.7	....
34	Venus I, S.	8	49 37.19	− 0.05	−37.13	336 36 6.18	41.471	+ 8.51	− 26.4	1 49 0.01	+ 1.13	+15 33 25.3	....
35	α Arietis	8	2 52.62	− 0.14	**[−37.14]**	344 4 7.58	45.678	+ 8.51	− 17.4	2 2 15.35	.....	+23 3 11.2	....
36	β Orionis	8	10 59.03	+ 0.13	**−37.19**	312 44 6.95	44.485	+ 8.01	−1 6.3	5 10 21.96	.....	− 8 18 4.9	....
37	β Tauri	8	21 25.63	− 0.22	**−37.21**	349 34 6.18	43.180	+ 7.95	− 11.3	5 20 48.20	.....	+28 32 18.7	....
38	δ Orionis	8	28 11.49	+ 0.08	**−37.19**	320 40 7.12	44.742	+ 7.91	− 50.3	5 27 34.36	.....	− 0 21 43.5	....
39	α Orionis	8	51 5.75	+ 0.02	**−37.22**	328 26 7.28	42.392	+ 7.78	− 37.8	5 50 28.55	.....	+ 7 23 34.9	....
40	μ Geminorum	8	18 20.32	− 0.14	**−37.23**	343 34 6.25	47.175	+ 7.62	− 18.1	6 17 42.96	.....	+22 33 42.3	....
41	γ Geminorum	8	33 19.64	− 0.07	**−37.25**	337 30 13.38	44.210	+ 7.56	− 25.5	6 32 42.34	.....	+16 28 34.8	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
5 23 5	29.714	48.0	46.0
0 4	29.686	48.6	47.2
1 16	29.670	50.3	48.6
1 44	29.662	50.2	48.7
5 51	29.621	44.7	44.1
6 18	......	....	43.3
6 33	29.612	43.8	43.1
7 0	......	....	42.7
7 21	29.610	43.0	42.2
6 23 9	29.490	40.0	38.0
0 9	29.524	40.2	37.2
1 28	29.542	39.5	35.7
1 50	......	....	34.7
5 11	29.680	30.4	27.6
5 28	......	....	27.3
5 51	......	....	26.8
6 18	29.704	28.3	26.4
13 19	29.870	21.1	19.3
13 32	......	....	19.0
14 27	29.884	20.1	18.1
14 48	......	....	18.0
15 15	......	....	17.5
15 33	29 902	19.4	17.3
7 23 12	30.061	24.7	21.8
0 14	30.050	26.1	24.0
1 24	30.048	28.5	25.0
1 51	30.040	28.1	26.5
2 4	30.042	28.0	26.0
5 9	30.074	26.0	25.0
5 30	......	....	24.4
5 53	30.086	24.9	23.9
6 20	......	....	23.3
6 35	30.094	23.8	23.0

Micrometer bisections are made at II, VI, except as noted below.

1, 12, 30.	Bisections at I, II.
2, 13, 31.	Bisections at VI, VII.
3, 5, 14, 16, 17, 32, 34, 35.	Bisections at I, II, VI, VII.
4, 15, 24, 33.	Bisections at $\overset{r}{9}.5$, $\overset{r}{10}.5$.

Notes.

4. Poor.
15. Very unsteady; poor.
17. Very unsteady.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	″
1	+ 6.3	+16 7.7	...	+16 14.0
2	+ 6.2	−16 7.7	...	−16 1.5
3	+ 5.0	.. ....	+ 0.4	+ 5.4
5	+ 6.6	+ 15.9	...	+ 22.5
12	+ 6.2	+16 8.8	...	+16 15.0
13	+ 6.2	−16 8.7	...	−16 2.5
14	+ 5.1	.. ....	+ 0.4	+ 5.5
16	+ 6.6	+ 16.1	...	+ 22.7
30	+ 6.2	+16 9.1	...	+16 15.3
31	+ 6.1	−16 9.1	...	−16 3.0
32	+ 5.1	.. ....	+ 0.5	+ 5.6
34	+ 6.6	+ 16.3	...	+ 22.9

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 11, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Virginis	8	21 17.39	0.00	**−39.33**	310 20 8.60	43.070	+ 8.00	−1 9.1	13 20 38.00	.....	−10 42 39.0	....
2	α Ursæ Minoris S. P.	8	26 58.56	+41.68	−39.39	52 8 7.10	46.982	+ 8.00	+1 15.8	1 27 0.85	.....	+88 50 45.6	....
3	η Boötis	8	51 13.94	− 0.19	**−39.45**	339 52 8.52	41.920	+ 8.00	− 21.5	13 50 34.35	.....	+18 49 42.4	....
4	α Boötis	8	12 22.85	− 0.20	**−39.39**	340 40 7.18	42.090	+ 8.00	− 20.6	14 11 43.24	.....	+19 37 46.2	....
5	ρ Boötis	8	28 46.38	− 0.32	−39.41	351 46 10.12	44.202	+ 8.00	− 8.5	14 28 6.65	.....	+30 44 48.6	....
6	α Libræ	8	46 44.51	+ 0.01	**−39.42**	305 22 8.45	42.635	+ 8.00	−1 23.0	14 46 5.10	.....	−15 41 3.0	....
7	B. D.+87°23 S. P.	8	58 34.91	+26.91	−39.42	52 48 9.20	43.325	+ 8.00	+1 18.0	2 58 22.40	+32.10	+88 12 4.8	−24.3
8	57 B. Ursæ Minoris	8	6 20.25	−19.03	−39.42	48 34 9.82	43.135	+ 8.00	+1 7.1	15 5 21.80	.....	+87 33 40.4	....
9	α Coronæ Borealis	8	31 41.28	− 0.28	**−39.46**	348 2 9.02	42.345	+ 8.00	− 12.5	15 31 1.57	.....	+27 0 1.2	....
	March 12, Ep.												
10	Sun I, S.	8	28 30.84	0.00	−39.59	317 24 7.12	45.432	+ 8.81	− 53.3	23 27 51.25	+64.69	− 3 37 29.6	....
11	Sun II, N.	8	30 40.22	0.00	−39.59	317 56 6.65	45.940	+ 8.81	− 52.3	23 30 0.63	−64.69	− 3 5 18.0	....
12	α Ursæ Minoris	8	28 22.62	−40.52	−39.63	49 50 7.78	45.974	+ 8.22	+1 8.5	1 27 2.47	.....	+88 50 44.9	....
13	β Arietis	8	50 28.90	− 0.18	[**−39.52**]	341 24 6.55	45.385	+ 7.83	− 19.3	1 49 49.08	.....	+20 23 2.0	....
14	Venus I, S.	8	2 33.37	− 0.15	−39.64	338 24 6.85	41.625	+ 7.62	− 22.7	2 1 53.58	+ 1.22	+17 21 32.3	....
15	Moon I	8	47 17.99	− 0.17	−39.66	340 38	......	....	. ....	2 46 38.16	+67.02	.. ..	....
16	μ Geminorum	8	18 22.79	− 0.22	**−39.71**	343 34 10.88	46.948	+ 7.34	− 17.1	6 17 42.84	.....	+22 33 42.6	....
17	γ Geminorum	8	33 22.16	− 0.17	**−39.75**	337 30 10.42	44.280	+ 7.34	− 24.1	6 32 42.25	.....	+16 28 34.6	....
18	ε Geminorum	8	39 15.98	− 0.25	**−39.74**	346 14 8.78	45.660	+ 7.34	− 14.2	6 38 35.99	.....	+25 13 14.9	....
19	ξ Geminorum	8	41 5.34	− 0.14	**−39.71**	334 0 9.85	46.918	+ 7.34	− 28.4	6 40 25.46	.....	+12 59 30.4	....
20	ζ Geminorum	8	59 38.24	− 0.20	**−39.78**	341 44 10.25	42.695	+ 7.34	− 19.3	6 58 58.30	.....	+20 42 3.4	....
21	λ Geminorum	8	13 46.89	− 0.17	**−39.75**	337 44 11.22	42.630	+ 7.34	− 23.9	7 13 6.97	.....	+16 41 58.1	....
	March 16, M.												
22	Moon I, N	8	46 18.88	− 0.37	−41.39	349 22 1.80	48.624	+ 8.98	− 11.1	6 45 37.12	+76.17	+28 22 19.8	....
23	λ Geminorum	8	13 48.52	− 0.24	**−41.37**	337 44 1.35	43.015	+ 8.98	− 24.3	7 13 6.88	.....	+16 41 58.3	....
24	ι Geminorum	8	21 2.68	− 0.37	**−41.38**	349 0 5.22	43.578	+ 8.98	− 11.5	7 20 20.91	.....	+27 58 27.2	....
25	β Geminorum	8	40 43.00	− 0.37	**−41.40**	349 16 5.12	43.340	+ 8.98	− 11.2	7 40 1.23	.....	+28 14 22.1	....
26	β Cancri	8	12 31.06	− 0.18	**−41.50**	330 28 4.10	46.725	+ 8.98	− 33.7	8 11 49.47	.....	+ 9 27 16.7	....
27	30 Monocerotis	8	22 1.70	− 0.10	**−41.38**	317 24 4.28	46.002	+ 8.98	− 54.8	8 21 20.18	.....	− 3 37 21.1	....
	March 17, M.												
28	Sun I, S.	7	46 51.27	− 0.06	−41.73	319 22 2.45	46.460	+ 8.15	− 51.5	23 46 9.48	+64.62	− 1 39 9.2	....
29	Sun II, N.	8	49 0.50	− 0.06	−41.73	319 54 2.58	46.915	+ 8.15	− 50.5	23 48 18.71	−64.61	− 1 6 58.5	....
30	ι Geminorum	8	21 3.12	− 0.32	**−41.88**	349 0 4.72	43.620	+ 8.40	− 11.8	7 20 20.91	.....	+27 58 26.8	....
31	β Geminorum	8	40 43.42	− 0.32	**−41.89**	349 16 4.45	43.402	+ 8.40	− 11.5	7 40 1.21	.....	+28 14 22.0	....
32	Moon I, N	8	51 40.76	− 0.30	−41.90	347 0 2.80	47.412	+ 8.40	− 14.0	7 50 58.56	+75.61	+25 59 50.1	....
33	β Cancri	8	12 31.42	− 0.13	**−41.92**	330 28 6.20	46.708	+ 8.40	− 34.4	8 11 49.39	.....	+ 9 27 17.1	....
34	30 Monocerotis	8	22 2.13	− 0.04	**−41.88**	317 24 5.42	45.995	+ 8.40	− 56.0	8 21 20.19	.....	− 3 37 21.9	....
35	ε Hydræ	8	42 53.78	− 0.11	**−41.89**	327 46 4.85	44.358	+ 8.40	− 38.4	8 42 11.76	.....	+ 6 44 17.8	....
36	ζ Hydræ	8	51 31.35	− 0.10	**−41.88**	327 18 7.15	45.100	+ 8.40	− 39.1	8 50 49.34	.....	+ 6 16 37.0	....
	March 17, P.												
37	α Virginis	8	21 20.16	+ 0.05	**−42.04**	310 20 9.58	43.075	+ 8.88	−1 12.1	13 20 38.14	.....	−10 42 40.0	....
38	α Ursæ Minoris S. P.	8	26 56.62	+45.88	−42.07	52 8 9.05	46.825	+ 8.88	+1 19.1	1 27 0.43	.....	+88 50 43.2	....
39	ρ Boötis	8	28 49.26	− 0.33	−42.09	351 46 9.18	44.225	+ 8.88	− 8.8	14 28 6.84	.....	+30 44 48.7	....
40	ε Boötis	8	41 55.50	− 0.28	**−42.16**	348 28 8.08	42.478	+ 8.88	− 12.5	14 41 13.13	.....	+27 26 4.1	....
41	α Libræ	8	46 47.27	+ 0.07	**−42.09**	305 22 9.98	42.645	+ 8.88	−1 26.5	14 46 5.25	.....	−15 41 3.9	....
42	β Libræ	8	13 2.85	+ 0.04	**−42.11**	311 58 10.50	44.608	+ 8.88	−1 8.4	15 12 20.79	.....	− 9 3 59.5	....
43	α Coronæ Borealis	8	31 44.12	− 0.28	**−42.13**	348 2 12.65	42.185	+ 8.88	− 13.0	15 31 1.73	.....	+27 0 1.5	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
11 13 21	....	....	43.0
13 32	29.944	43.7	....
13 51	....	....	43.1
14 12	29.960	43.2	42.5
14 47	29.980	42.1	41.1
15 32	30.000	41.0	40.2
12 23 31	30.156	52.5	52.1
1 28	30.118	56.8	55.2
1 50	....	....	56.2
2 3	30.112	56.9	56.4
6 18	30.105	51.3	50.6
6 33	....	....	50.2
7 0	30.133	50.3	48.8
7 14	30.138	49.7	48.0
16 6 46	29.850	39.7	37.2
7 14	....	....	36.9
7 41	....	....	36.4
8 13	....	....	35.7
8 22	[illegible]	37.3	35.3
17 23 49	30.374	41.9	39.1
7 21	30.510	36.5	35.8
7 52	30.520	36.0	35.3
8 22	....	....	34.8
8 52	[illegible]	34.7	34.2
13 19	30.534	33.0	32.1
13 32	....	....	32.0
14 27	30.540	32.5	31.0
14 49	....	....	30.6
15 15	....	....	30.0
15 34	30.550	31.5	30.0

Micrometer bisections are made at II, VI, except as noted below.

2, 7, 38. Bisections at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
8. Bisections at $9^{\mathrm{r}}.0$, $11^{\mathrm{r}}.0$.
10, 28. Bisections at I, II.
11, 29. Bisections at VI, VII.
12. Two bisections each at $9^{\mathrm{r}}.5$, $10^{\mathrm{r}}.5$.
14. Bisections at I, II, VI, VII.
22, 32. Bisections at II, III, V, VI.
43. Bisections at II, VII.

Notes.

1-3. Thin clouds.
12. Very poor.
23. Haze.
26, 27. Clouds.
41. Fuzzy

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
10	+ 5.9	+16 5.8	...	+16 11.7
11	+ 5.9	−16 5.8	...	−15 59 9
14	+ 6.6	+ 17.5	...	+ 24.1
22	+10 33.1	−16 2.3	...	− 5 29.2
28	+ 5.7	+16 5.3	...	+16 11.0
29	+ 5.7	−16 5.4	...	−15 59.7
32	+13 7.1	−16 15.9	...	− 3 8.8

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 18, P.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, N	8	50 30.79	+ 0.08	−42.29	320 18 2.68	45.988	+ 8.14	− 49.2	23 49 48.58	+64.55	− 0 43 17.3	....
2	Sun II, S	8	52 39.89	+ 0.08	−42.29	319 46 4.92	45.625	+ 8.14	− 50.2	23 51 57.68	−64.55	− 1 15 25.5	....
3	α Ursæ Minoris	7	28 20.71	−39.00	−42.32	49 50 9.20	45.845	+ 7.56	+1 10.0	1 26 59.39	.....	+88 50 44.2	....
4	β Arietis	8	50 31.55	− 0.11	[**−42.28**]	341 24 4.82	45.518	+ 7.56	− 19.8	1 49 49.11	.....	+20 23 2.4	....
5	Venus I, S	8	15 42.46	− 0.10	−42.34	340 16 5.65	42.565	+ 7.56	− 21.0	2 15 0.02	+ 1.35	+19 13 54.4	....
6	ζ Geminorum	8	59 40.71	− 0.14	**−42.40**	341 44 8.80	42.745	+ 7.72	− 19.6	6 58 58.12	.....	+20 42 3.2	....
7	λ Geminorum	8	13 49.36	− 0.11	**−42.37**	337 44 8.68	42.755	+ 7.72	− 24.3	7 13 6.79	.....	+16 41 58.4	....
8	ι Geminorum	8	21 3.55	− 0.22	**−42.43**	349 0 10.12	43.435	+ 7.72	− 11.5	7 20 20.87	.....	+27 58 27.5	....
9	β Geminorum	8	40 43.86	− 0.22	**−42.44**	349 16 10.60	43.160	+ 7.72	− 11.2	7 40 1.18	.....	+28 14 22.2	....
10	β Cancri	8	12 31.79	− 0.06	**−42.37**	330 28 9.75	46.515	+ 7.72	− 33.7	8 11 49.26	.....	+ 9 27 16.3	....
11	30 Monocerotis	8	22 2.63	+ 0.02	**−42.45**	317 24 12.02	45.670	+ 7.72	− 54.8	8 21 20.17	.....	− 3 37 22.2	....
12	Moon I, N	8	55 16.33	− 0.15	−42.49	342 44 9.10	45.608	+ 7.72	− 18.5	8 54 33.69	+73.96	+21 43 10.0	....
	March 18, Ep.												
13	κ Ophiuchi	8	54 16.74	− 0.04	**−42.80**	330 32 8.45	43.792	+ 8.67	− 34.0	16 53 33.95	.....	+ 9 30 13.3	....
14	α Herculis	8	11 24.56	− 0.08	**−42.87**	335 30 8.80	45.432	+ 8.67	− 27.4	17 10 41.72	.....	+14 28 57.8	....
15	α Ophiuchi	8	31 37.31	− 0.06	**−42.82**	333 38 7.70	45.655	+ 8.67	− 29.8	17 30 54.49	.....	+12 36 59.7	....
16	β Ophiuchi	8	39 53.96	0.00	**−42.82**	325 38 8.20	43.145	+ 8.67	− 41.1	17 39 11.20	.....	+ 4 35 51.4	....
17	μ Herculis	8	43 46.78	− 0.22	**−42.81**	348 48 9.62	41.768	+ 8.67	− 11.9	17 43 3.79	.....	+27 45 49.8	....
	March 19, Ep.												
18	Sun I	8	54 10.24	+ 0.07	−42.89	320 26	......	....	.....	23 53 27.42	+64.44	.. ..	....
19	Sun II	8	56 19.11	+ 0.07	−42.89	... .	......	....	.....	23 55 36.29	−64.43	.. ..	....
20	α Ursæ Minoris	8	28 18.00	−36.33	−42.91	49 50 9.98	45.895	+ 6.80	+1 7.5	1 26 58.76	.....	+88 50 42.8	....
21	α Arietis	8	2 58.22	− 0.11	[**−42.88**]	344 4 9.58	45.568	+ 6.80	− 16.1	2 2	.....	+23 3 10.3	....
22	Venus I, S	8	17 36.08	− 0.07	−42.93	340 32 7.28	44.109	+ 6.80	− 20.0	2 16 53.08	+ 1.38	+19 30 31.8	....
	March 20, P.												
23	Moon I, N	8	53 38.90	− 0.13	−43.44	329 56 8.55	46.035	+ 8.00	− 32.8	10 52 55.33	+70.24	+ 8 55 5.0	....
24	δ Leonis	8	10 14.91	− 0.22	**−43.46**	312 2 8.62	42.280	+ 8.00	− 18.4	11 9 31.24	.....	+20 59 53.7	....
25	β Virginis	8	46 55.24	− 0.09	**−43.42**	323 16 7.85	46.552	+ 8.00	− 42.3	11 46 11.69	.....	+ 2 15 6.8	....
26	ο Virginis	8	1 32.29	− 0.13	**−43.48**	330 14 8.15	45.210	+ 8.00	− 32.4	12 0 48.70	.....	+ 9 12 46.2	....
27	η Virginis	8	16 12.72	− 0.08	**−43.48**	320 50 8.40	45.838	+ 8.00	− 46.2	12 15 29.17	.....	− 0 11 13.0	....
28	δ Virginis	8	51 58.68	− 0.10	**−43.46**	324 54 6.75	43.468	+ 8.00	− 39.9	12 51 15.10	.....	+ 3 51 57.5	....
29	ε Virginis	8	58 36.40	− 0.15	**−43.50**	332 26 7.48	46.612	+ 8.00	− 29.6	12 57 52.77	.....	+11 25 20.2	....
30	α Virginis	8	21 21.72	− 0.03	**−43.48**	310 20 9.32	42.835	+ 8.00	−1 6.9	13 20 38.20	.....	−10 42 41.4	....
31	α Ursæ Minoris S. P.	7	27 4.98	+35.12	−43.49	52 8 7.30	47.162	+ 8.00	+1 13.4	1 26 56.61	.....	+88 50 43.7	....
	March 21, Ep.												
32	Moon I, N	8	49 15.91	− 0.07	−44.10	322 26 6.07	44.195	+ 9.19	− 43.5	11 48 31.74	+69.22	+ 1 24 4.9	....
33	Moon S	.	.. ..	.....	.....	321 52 7.28	44.140	+ 9.19	− 44.4	.. ..	.....	+ 0 50 16.3	....
34	η Virginis	8	16 13.33	− 0.06	**−44.10**	320 50 6.15	45.910	+ 9.19	− 46.1	12 15 29.16	.....	− 0 11 12.3	....
35	δ Virginis	8	51 59.34	− 0.09	**−44.12**	324 54 6.48	43.450	+ 9.19	− 39.9	12 51 15.13	.....	+ 3 51 58.0	....
36	ε Virginis	8	58 37.01	− 0.14	**−44.11**	332 26 7.55	46.625	+ 9.19	− 29.6	12 57 52.75	.....	+11 25 21.7	....
37	α Virginis	8	21 22.34	− 0.01	**−44.10**	310 20 7.52	42.872	+ 9.19	−1 7.1	13 20 38.20	.....	−10 42 41.4	....
38	α Ursæ Minoris S. P.	8	27 1.88	+36.52	−44.13	52 8 7.25	47.125	+ 9.19	+1 13.6	1 26 54.27	.....	+88 50 43.2	....
39	η Boötis	8	51 18.86	− 0.20	**−44.17**	339 52 7.90	41.860	+ 9.19	− 21.0	13 50 34.52	.....	+18 49 42.1	....
40	α Boötis	8	12 27.86	− 0.21	**−44.18**	340 40 7.90	41.958	+ 9.19	− 20.1	14 11 43.50	.....	+19 37 45.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
18 23 53	30.576	47.3	48.1
1 24	30.510	51.0	50.9
1 53	....	...	51.0
2 18	30.480	52.0	52.0
6 57	30.422	47.1	46.0
7 23	.	....	45.0
7 43	.	....	44.2
8 10	30.406	45.0	43.2
8 24	....	....	43.0
8 58	30.400	43.6	42.0
16 53	30.285	36.9	36.7
17 11	. .	. .	36.7
17 32	30.282	36.7	36.8
17 44	.	....	36.7
19 23 56	30.228	59.0	60.4
1 28	30.180	64.1	63.2
2 3	.	....	64.2
2 18	30.144	64.1	64.2
20 10 51	29.790	59.0	58.1
11 12	......	....	58.0
11 44	29.800	58.1	57.5
12 3	...	....	57.0
12 18	.	...	57.0
13 0	29.792	57.2	56.5
13 20		...	56.0
13 31	29.792	57.0	56.0
21 11 52	29.844	58.8	59.1
12 16	29.857	58.4	58.7
12 52	29.876	57.9	58.0
13 21	.	...	56.7
13 35	29.909	56.6	
13 51	.	....	55.2
14 12	29.921	55.1	54.2

Micrometer bisections are made at II, VI, except as noted below.

1, 32.	Bisections at I, II.
2, 33.	Bisections at VI, VII.
3, 20, 31, 38.	Bisections at 9.5^{r}, 10.5^{r}.
4, 5, 22.	Bisections at I, II, VI, VII.
8.	Bisections at II, VII.
12, 23.	Bisections at II, III, V, VI.

Notes.

3.	Unsteady.
12.	Micrometer reading increased 1 rev.
20.	Conditions poor.
28, 29.	Cloud .
34-40.	Conditions poor; windy.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.6	−16 4.1	...	−15 58.5
2	+ 5.7	+16 4.0	...	+16 9.7
5	+ 6.6	+ 19.2	...	+ 25.8
12	+17 37.5	−16 27.8	...	+ 1 9.7
22	+ 6.6	+ 19.5	...	+ 26.1
23	+30 20.8	−16 40.9	...	+13 39.9
32	+36 58.2	−16 40.3	...	+20 17.9
33	+37 26.8	+16 40.3	− 0.6	+54 6.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 22, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	Sun I, S.	8	5 6.99	− 0.05	−44.30	321 22 7.85	41.938	+10.60	− 47.2	0 4 22.64	+64.42	+ 0 19 19.1	....
2	Sun II, N.	8	7 15.84	− 0.05	−44.30	321 54 6.08	42.350	+10.60	− 46.3	0 6 31.49	−64.43	+ 0 51 26.9	....
	March 22, P.												
3	β Virginis	8	46 56.24	− 0.07	**−44.43**	323 16 9.00	46.602	+ 9.05	− 44.9	11 46 11.79	.....	+ 2 15 7.5	....
4	o Virginis	8	1 33.19	− 0.11	**−44.38**	330 14 7.18	45.330	+ 9.00	− 34.4	12 0 48.70	.....	+ 9 12 47.0	....
5	η Virginis	8	16 13.57	− 0.06	**−44.33**	320 50 8.82	45.935	+ 8.94	− 49.0	12 15 29.12	.....	− 0 11 12.2	....
6	Moon II, S.	8	46 16.55	− 0.03	−44.40	314 20 7.95	44.104	+ 8.83	−1 1.7	12 45 32.12	−69.06	− 6 42 7.5	....
7	δ Virginis	8	51 59.61	− 0.08	**−44.39**	324 54 8.90	43.515	+ 8.81	− 42.4	12 51 15.13	.....	+ 3 51 59.0	....
8	ε Virginis	8	58 37.30	− 0.13	**−44.40**	332 26 7.20	46.750	+ 8.78	− 31.5	12 57 52.77	.....	+11 25 21.9	....
9	α Virginis	8	21 22.68	− 0.01	**−44.43**	310 20 9.88	43.020	+ 8.70	−1 11.1	13 20 38.26	.....	−10 42 40.1	....
10	α Ursæ Minoris s. p.	8	27 0.44	+39.45	−44.41	52 8 8.05	46.932	+ 8.68	+1 18.0	1 26 55.48	.....	+88 50 42.9	....
	March 24, P.												
11	α Virginis	8	21 23.65	− 0.09	**−45.29**	310 20 6.82	42.860	+ 9.65	−1 6.0	13 20 38.26	.....	−10 42 40.8	....
12	α Ursæ Minoris s. p.	8	27 6.62	+35.55	−45.30	52 8 7.02	47.260	+ 9.68	+1 12.3	1 26 56.87	.....	+88 50 41.3	....
13	η Boötis	8	51 20.12	− 0.24	**−45.34**	339 52 9.38	41.800	+ 9.83	− 20.5	13 50 34.57	.....	+18 49 43.3	....
14	α Boötis	8	12 29.08	− 0.25	**−45.30**	340 40 7.58	41.995	+ 9.95	− 19.7	14 11 43.52	.....	+19 37 47.3	....
15	ρ Boötis	8	28 52.62	− 0.35	−45.32	351 46 7.00	44.308	+10.05	− 8.1	14 28 6.95	.....	+30 44 50.3	....
16	Moon II, S.	8	37 46.60	− 0.07	−45.32	301 8 7.25	44.886	+10.10	−1 32.4	14 37 1.21	−70.85	−19 54 19.1	....
17	ε Boötis	8	41 58.86	− 0.32	**−45.32**	348 28 7.92	42.428	+10.13	− 11.4	14 41 13.22	.....	+27 26 5.2	....
18	α Libræ	8	46 50.79	− 0.07	**−45.31**	305 22 10.98	42.160	+10.16	−1 18.7	14 46 5.40	.....	−15 41 4.8	....
	March 27, P.												
19	α Virginis	8	21 25.14	− 0.14	**−46.69**	310 20 6.08	43.030	+10.07	−1 10.4	13 20 38.39	.....	−10 42 41.6	....
20	α Ursæ Minoris s p.	8	27 4.06	+39.30	−46.61	52 8 3.18	47.188	+10.07	+1 17.2	1 26 56.75	.....	+88 50 41.4	....
21	δ Ophiuchi	7	10 35.34	0.19	**−46.63**	317 34 9.98	42.520	+10.91	− 55.1	16 9 48.49	.....	− 3 28 33.3	....
22	α Scorpii	8	24 52.43	− 0.12	−46.67	294 48 13.48	45.645	+10.91	−2 9.7	16 24 5.64	.....	−26 14 33.1	....
23	β Herculis	8	27 17.11	− 0.35	**−46.62**	342 42 7.12	43.322	+10.91	− 18.8	16 26 30.09	.....	+21 40 18.7	....
24	κ Ophiuchi	8	54 21.05	− 0.24	**−46.65**	330 32 9.55	43.675	+10.91	− 34.1	16 53 34.13	.....	+ 9 30 13.8	....
25	Moon II, S.	8	36 7.66	− 0.08	−46.69	291 22 6.18	45.889	+10.91	−2 33.4	17 35 20.89	−72.80	−29 40 57.7	....
26	β Ophiuchi	8	39 58.30	− 0.18	**−46.72**	325 38 8.40	43.058	+10.91	− 41.4	17 39 11.43	.....	+ 4 35 51.5	....
27	μ Herculis	8	43 51.11	− 0.38	**−46.70**	348 48 8.18	41.752	+10.91	− 12.0	17 43 4.04	.....	+27 45 50.2	....
	March 28, P.												
28	Sun I, S.	8	26 58.24	− 0.15	−46.84	323 42 6.00	45.482	+10.39	− 43.7	0 26 11.25	+64.49	+ 2 40 42.1	....
29	Sun II, N.	8	29 7.21	− 0.15	−46.84	324 14 4.82	45.760	+10.39	− 42.9	0 28 20.22	−64.48	+ 3 12 47.2	....
30	α Ursæ Minoris	7	28 22.12	−39.77	−46.86	49 50 3.12	45.810	+10.92	+1 10.5	1 26 55.49	.....	+88 50 41.1	....
31	α Arietis	8	3 2.33	− 0.26	[**−46.88**]	344 4 9.78	45.335	+10.92	− 16.9	2 2 15.20	.....	+23 3 8.5	....
32	Venus I, S.	8	29 44.80	− 0.24	−46.88	342 28 9.58	46.095	+10.92	− 18.6	2 28 57.68	+ 1.61	+21 27 24.9	....
33	λ Ursæ Minoris s. p.	8	6 47.93	+47.23	−47.01	52 0 10.42	42.915	+10.11	+1 16.1	19 6 48.15	.....	+89 0 13.6	....
34	ι Geminorum	8	21 8.02	− 0.30	**−46.99**	349 0 8.22	43.425	+10.11	− 11.5	7 20 20.71	.....	+27 58 27.8	....
35	β Geminorum	8	40 48.36	− 0.30	**−47.03**	349 16 8.55	43.138	+10.11	− 11.3	7 40 1.04	.....	+28 14 21.9	....
36	4 B. Ursæ Minoris	8	14 14.71	−42.05	−47.03	49 54 11.95	43.940	+10.11	+1 11.0	8 12 45.63	.....	+88 54 6.8	....
37	30 Monocerotis	8	22 7.14	− 0.04	**−47.04**	317 24 8.78	45.680	+10.11	− 54.8	8 21 20.07	.....	− 3 37 22.8	....
38	ζ Hydræ	8	51 36.34	− 0.10	**−46.99**	327 18 11.50	44.770	+10.11	− 38.3	8 50 49.20	.....	+ 6 16 36.3	....
39	θ Hydræ	8	10 38.95	− 0.07	**−47.01**	323 42 9.18	45.765	+10.11	− 43.9	9 9 51.84	.....	+ 2 40 51.0	....
40	ε Leonis	8	41 44.22	− 0.26	**−47.00**	345 12 10.75	43.595	+10.11	− 15.8	9 40 56.91	.....	+24 10 31.1	....
41	B. D.+88°131 s. p.	8	3 21.16	+48.14	−47.06	51 58 9.18	45.260	+10.11	+1 16.9	22 3 22.24	+98.68	+89 1 20.0	+12.4

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	In.	°	°
22 0 7	30.294	47.1	46.0
11 41	30.128	40.0	39.0
12 3	......	...	39.0
12 18	......	...	39.0
12 40	30.424	39.0	38.0
13 1	......	....	37.4
13 29	......	....	37.0
13 31	30.430	37.7	37.0
24 13 19	29.892	65.9	64.8
13 35	......	...	65.0
13 54	29.876	66.0	64.8
14 14	......	....	64.7
14 31	......	....	64.9
14 49	29.861	65.5	64.9
27 13 20	29.884	35.8	33.0
13 33	29.880	35.5	33.0
16 8	29.958	32.8	31.1
16 29	......	...	31.0
16 57	......	...	30.3
17 30	30.012	32.0	30.0
17 45	30.024	32.0	30.0
28 0 29	30.147	42.7	39.4
1 24	30.136	43.3	41.0
2 5	......	...	42.1
2 32	30.122	46.0	42.7
7 3	30.134	42.2	41.0
7 23	......	....	40.9
7 43	......	....	39.8
8 9	30.152	40.1	39.0
8 24	......	....	38.6
8 54	......	....	37.9
9 8	30.164	39.1	37.5
9 41	......	...	37.0
10 8	30.184	38.0	36.9

Micrometer bisections are made at II, VI, except as noted below.

1, 28.	Bisections at I, II.
2, 5, 29.	Bisections at VI, VII.
6, 16, 25.	Bisections at II, III, V, VI.
10, 12, 20, 30, 33, 36, 41.	Bisections at $\overset{r}{9.5}$, $\overset{r}{10.5}$.
18.	Bisections at I, VII.
31, 32	Bisections at I, II, VI, VII.

Notes.

11–18. Hazy.

30. Unsteady.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
1	+ 5.5	+16 3.8	...	+16 9.3
2	+ 5.4	−16 3.9	...	−15 58.5
6	+43 9.1	+16 33.1	...	+59 42.2
16	+50 23.2	+16 7.6	...	+66 30.8
25	+52 12.5	+15 20.7	...	+67 33.2
28	+ 5.2	+16 2.5	...	+16 7.7
29	+ 5.1	−16 2.5	...	−15 57.4
32	+ 6.8	+ 22.4	...	+ 29.2

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
	March 28, Ep.		m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	α Virginis	8	21 25.61	− 0.01	**−47.28**	310 20 10.68	42.852	+10.17	−1 10.8	13 20 38.37	.....	−10 42 41.4	....
2	α Ursæ Minoris s. p.	8	27 0.00	+42.44	−47.23	52 8 10.65	46.872	+10.17	+1 17.7	1 26 55.21	.....	+88 50 40.5	....
3	η Boötis	8	51 22.11	− 0.22	**−47.28**	339 50 12.30	46.980	+10.17	− 22.1	13 50 34.65	.....	+18 49 43.3	....
4	ρ Boötis	8	28 54.61	− 0.36	−47.25	351 46 10.58	44.145	+10.17	− 8.7	14 28 7.00	.....	+30 44 49.7	....
5	ε Boötis	8	42 0.91	− 0.31	**−47.30**	348 28 11.42	42.322	+10.17	− 12.3	14 41 13.34	.....	+27 26 5.4	....
6	α Libræ	8	46 52.75	+ 0.01	**−47.26**	305 22 10.38	42.462	+10.17	−1 25.0	14 46 5.50	.....	−15 41 4.9	....
7	β Libræ	8	13 8.34	− 0.02	**−47.28**	311 58 10.35	44.465	+10.17	−1 7.2	15 12 21.05	.....	− 9 4 0.5	....
8	Moon II	8	35 24.45	+ 0.11	−47.33	291 40	......	.....	.....	18 34 37.23	−71.68	.. ..	....
	March 29, Ep.												
9	Sun I, N	8	30 37.00	− 0.01	−47.45	324 38 12.42	43.748	+ 9.53	− 41.6	0 29 49.54	+64.30	+ 3 36 10.1	....
10	Sun II, S	8	32 45.60	− 0.01	−47.45	324 6 8.95	43.908	+ 9.53	− 42.4	0 31 58.14	−64.30	+ 3 4 8.7	....
11	α Ursæ Minoris	8	28 22.89	−38.76	−47.48	49 50 7.58	45.715	+ 8.53	+1 9.4	1 26 56.65	.....	+88 50 39.9	....
12	β Geminorum	8	40 48.86	− 0.22	**−47.63**	349 16 8.68	43.198	+ 9.36	− 11.1	7 40 1.05	.....	+28 14 22.9	....
13	β Cancri	8	12 36.86	− 0.05	**−47.60**	330 28 8.32	46.502	+ 9.36	− 33.3	8 11 49.21	.....	+ 9 27 16.6	....
14	30 Monocerotis	8	22 7.63	+ 0.03	**−47.61**	317 24 8.65	45.705	+ 9.36	− 54.0	8 21 20.06	.....	− 3 37 22.4	....
15	ε Hydræ	8	42 59.31	− 0.03	**−47.64**	327 40 8.80	44.062	+ 9.36	− 37.2	8 42 11.67	.....	+ 6 38 16.9	....
16	ζ Hydræ	8	51 36.88	− 0.03	**−47.62**	327 18 9.70	44.862	+ 9.36	− 37.8	8 50 49.24	.....	+ 6 16 36.4	....
17	θ Hydræ	8	10 39.47	− 0.01	**−47.61**	323 42 8.98	45.785	+ 9.36	− 43.3	9 9 51.84	.....	+ 2 40 51.1	....
	March 29, P.												
18	α Virginis	8	21 25.83	+ 0.02	**−47.51**	310 20 8.85	42.900	+ 9.52	−1 9.5	13 20 38.27	.....	−10 42 41.5	....
19	α Ursæ Minoris s. p.	8	27 2.61	+40.25	−47.58	52 8 7.02	47.118	+ 9.52	+1 16.2	1 26 55.28	.....	+88 50 40.7	....
	March 30, M.												
20	α Virginis	8	21 26.16	+ 0.03	**−47.84**	310 20 7.98	42.850	+ 9.05	−1 7.4	13 20 38.33	.....	−10 42 41.9	....
21	α Ursæ Minoris s. p.	6	27 4.63	+38.91	−47.86	52 8 4.90	47.375	+ 9.05	+1 13.9	1 26 55.68	.....	+88 50 39.7	....
22	η Boötis	8	51 22.68	− 0.17	**−47.87**	339 50 7.95	47.160	+ 9.05	− 21.0	13 50 34.65	.....	+18 49 43.0	....
23	α Boötis	8	12 31.71	− 0.17	**−47.91**	340 40 4.85	42.150	+ 9.05	− 20.1	14 11 43.67	.....	+19 37 46.8	....
24	ρ Boötis	8	28 55.22	− 0.30	−47.88	351 46 2.92	44.545	+ 9.05	− 8.2	14 28 7.04	.....	+30 44 50.5	....
25	ε Boötis	8	42 1.45	− 0.26	**−47.85**	348 28 4.05	42.640	+ 9.05	− 11.7	14 41 13.31	.....	+27 26 4.7	....
	March 31, P.												
26	β Herculis	8	27 18.89	− 0.20	**−48.44**	342 42 7.30	43.385	+ 8.82	− 18.0	16 26 30.25	.....	+21 40 19.0	....
27	κ Ophiuchi	8	54 22.83	− 0.10	**−48.46**	330 32 8.62	43.745	+ 8.82	− 32.7	16 53 34.28	.....	+ 9 30 13.8	....
28	α Herculis	8	11 30.58	− 0.14	**−48.45**	335 30 7.68	45.440	+ 8.82	− 26.3	17 10 41.99	.....	+14 28 58.1	....
29	α Ophiuchi	8	31 43.39	− 0.12	**−48.45**	333 38 7.78	45.600	+ 8.82	− 28.7	17 30 54.81	.....	+12 36 59.8	....
30	β Ophiuchi	8	40 0.04	− 0.08	**−48.44**	325 38 8.98	43.042	+ 8.82	− 39.6	17 39 11.50	.....	+ 4 35 51.4	....
31	μ Herculis	8	43 52.89	− 0.26	**−48.48**	348 48 7.30	41.880	+ 8.82	− 11.4	17 43 4.17	.....	+27 45 50.7	....
32	Moon II	8	15 54.01	+ 0.02	−48.53	300 6	......	.....	.....	21 15 5.50	−65.10	.. ..	....
	April 1, P.												
33	Sun I, N	8	41 32.84	− 0.05	−48.59	325 48 8.95	43.258	+ 8.52	− 38.6	0 40 44.20	+64.54	+ 4 45 57.3	....
34	Sun II, S	8	43 41.92	− 0.05	−48.59	325 16 11.00	43.210	+ 8.52	− 39.4	0 42 53.28	−64.54	+ 4 13 56.3	....
35	λ Ursæ Minoris s. p.	8	6 59.94	+41.34	−48.71	52 0 8.95	43.165	+ 8.61	+1 13.4	19 6 52.57	.....	+89 0 13.5	....
36	ι Geminorum	8	21 9.59	− 0.24	**−48.69**	349 0 9.32	43.440	+ 8.57	− 11.1	7 20 20.63	.....	+27 58 28.1	....
37	β Geminorum	8	40 49.97	− 0.25	**−48.76**	349 16 7.18	43.285	+ 8.52	− 10.8	7 40 1.00	.....	+28 14 22.8	....
38	4 B. Ursæ Minoris	8	14 8.02	−36.76	−48.73	49 54 8.80	44.300	+ 8.44	+1 8.4	8 12 42.53	.....	+88 54 7.6	....
39	30 Monocerotis	8	22 8.81	− 0.03	**−48.77**	317 24 8.78	45.692	+ 8.42	− 52.8	8 21 20.05	.....	− 3 37 22.3	....
40	ζ Hydræ	8	51 38.01	− 0.08	**−48.73**	327 18 7.75	44.938	+ 8.34	− 36.9	8 50 49.19	.....	+ 6 16 36.0	....
41	θ Hydræ	8	10 40.62	− 0.07	**−48.73**	323 42 9.05	45.802	+ 8.30	− 42.2	9 9 51.80	.....	+ 2 40 51.6	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
28 13 21	....	....	35.3
13 34	30.206	35.6	...
13 51	....	....	34.3
14 29	30.202	34.6	34.2
14 42	....	....	33.3
15 13	30.193	33.8	32.9
18 35	....	....	32.6
29 0 33	30.248	48.9	49.1
1 28	30.230	50.7	50.4
7 41	30.123	47.2	46.1
8 13	30.124	46.3	45.2
8 43	30.126	45.7	44.8
9 11	30.125	45.4	44.2
13 18	30.052	43.0	42.0
13 32	....	....	41.9
30 13 21	29.636	51.2	50.2
13 51	....	....	50.1
14 13	....	....	49.8
14 45	29.586	50.6	49.5
31 16 24	29.568	45.6	45.0
16 56	....	....	44.3
17 14	29.572	45.0	44.3
17 34	....	....	44.0
17 46	29.592	44.9	44.0
1 0 44	29.650	55.7	51.3
7 2	29.740	53.0	52.3
7 23	....	....	52.0
7 43	....	....	51.6
8 9	29.762	51.0	50.9
8 24	....	....	50.3
8 53	....	....	50.0
9 8	29.786	50.1	50.1

Micrometer bisections are made at II, VI, except as noted below.

2, 11, 19, 35, 38.	Bisections at $9^{r}.5$, $10^{r}.5$.
9, 33.	Bisections at I, II.
10.	Bisections at VI, VII.
21.	Bisections at $9^{r}.0$, b_5.
34.	Bisection at VII.

Notes.

11.	Poor.
18, 21.	Clouds.
18.	Circle reading decreased 6′.
25.	Haze.

No.	Parallax.	Semidiameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
9	+ 5.1	−16 0.7	...	−15 55.6
10	+ 5.1	+16 0.7	...	+16 5.8
33	+ 4.9	−16 0.4	...	−15 55.5
34	+ 5.0	+16 0.5	...	+16 5.5

No.	Date, Observer, and Object.	Thds.	Mean Thread.	Inst. Corr.	Clock Corr.	Circle Reading.	Microm Reading.	Zenith Pt. Corr.	Refraction.	Apparent R. A.	Misc. Corr.	Apparent Decl.	Misc. Corr.
			m s	s	s	° ′ ″	r	″	′ ″	h m s	s	° ′ ″	″
1	ε Leonis	8	41 45.89	− 0.22	**−48.75**	345 12 8.02	43.798	+ 8.22	− 15.2	9 40 56.91	.....	+24 10 31.7	....
2	B. D.+88°131 s. p.	8	3 32.24	+42.11	−48.77	51 58 8.10	45.560	+ 8.16	+1 13.9	22 3 25.58	+96.08	+89 1 19.0	+13.3
	April 17, P.												
3	ε Leonis	8	41 52.81	− 0.29	**−55.80**	345 12 9.15	43.812	+ 7.96	− 14.9	9 40 56.83	.....	+24 10 33.1	....
4	α Leonis	8	4 42.09	− 0.30	**−55.68**	333 24 5.75	47.105	+ 7.96	− 28.3	10 3 46.09	.....	+12 23 31.4	....
5	ζ Leonis	8	12 49.28	− 0.40	**−55.71**	344 52 11.18	45.130	+ 7.96	− 15.3	10 11 53.18	.....	+23 51 4.9	....
6	ρ Leonis	8	29 11.64	− 0.29	**−55.70**	330 46 10.68	46.228	+ 7.96	− 31.7	10 28 15.64	.....	+ 9 45 12.2	....
7	Moon I, N	8	22 56.23	− 0.27	−55.72	326 4 9.38	43.402	+ 7.96	− 38.3	11 22 0.24	+68.65	+ 5 2 0.0	....
8	ο Virginis	8	1 44.71	− 0.28	**−55.69**	330 14 9.20	45.252	+ 7.96	− 32.7	12 0 48.69	.....	+ 9 12 47.8	....
9	η Virginis	8	16 25.19	− 0.23	**−55.70**	320 50 10.18	45.802	+ 7.96	− 46.6	12 15 29.22	.....	− 0 11 12.5	....
	April 18, Ep.												
10	39 H. Cephei s. p.	8	28 0.38	+12.96	−56.33	54 10 9.00	44.800	+ 9.11	+1 17.9	23 27 17.01	.....	+86 49 30.6	....
11	β Leonis	8	45 36.19	− 0.36	**−56.33**	336 4 9.00	46.358	+ 9.11	− 24.8	11 44 39.49	.....	+15 3 21.8	....
12	β Virginis	8	47 8.39	− 0.29	**−56.35**	323 16 8.45	46.460	+ 9.11	− 41.8	11 46 11.76	.....	+ 2 15 6.8	....
13	ο Virginis	8	1 45.39	− 0.33	**−56.32**	330 14 9.15	45.165	+ 9.11	− 32.0	12 0 48.72	.....	+ 9 12 47.6	....
14	Moon I, N	8	16 40.41	− 0.29	−56.35	318 38 7.30	47.398	+ 9.11	− 49.2	12 15 43.77	+68.39	− 2 22 39.7	....
15	δ Virginis	8	52 11.99	− 0.30	**−56.37**	324 54 9.08	43.328	+ 9.11	− 39.3	12 51 15.33	.....	+ 3 51 58.2	....
16	ε Virginis	8	58 49.68	− 0.34	**−56.38**	332 26 9.20	46.572	+ 9.11	− 29.2	12 57 52.98	.....	+11 25 22.4	....

Time.	Barom.	Att. Ther.	Ext. Ther.
d h m	in.	°	°
1 9 44	......	....	50.0
10 8	29.798	49.6	49.9
17 9 39	29.780	59.5	60.0
10 15	......	....	58.6
10 31	29.786	57.2	58.1
11 27	29.792	56.2	54.8
11 59	29.790	55.0	53.5
12 18	29.800	54.9	53.0
18 11 33	29.686	62.7	60.8
11 50	......	....	61.2
12 5	29.676	62.8	61.4
12 52	29.686	63.6	62.7

Micrometer bisections are made at II, VI, except as noted below.

2. Bisections at $9^{r}.5$, $10^{r}.5$.

7, 14. Bisections at II, III, V, VI.

10. Bisections at $9^{r}.0$, $11^{r}.0$.

Note.

11. Revolutions of micrometer reading assumed.

No.	Parallax.	Semi-diameter.	Def. Ill. Corr.	Sum.
	′ ″	′ ″	″	′ ″
7	+33 26.2	−16 28.2	...	+16 58.0
14	+39 37.9	−16 28.4	...	+23 9.5

RESULTS
OF
OBSERVATIONS.

RESULTS OF OBSERVATIONS

OF

SUN, MOON, AND PLANETS

SUN.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semidiameter.	Correction to Am. Eph.
1912			h m s	s	s	s		° ′ ″	″	′ ″	″
Mar. 7.0	M.	.	23 11 23.53	+0.01	64.99	−0.02	.	− 5 13 4.8	+0.5	16 6.4	−2.1
11.0	M.	.	23 26 8.19	−0.09	64.73	−0.06	.	− 3 39 15.7	+0.6	16 5.8	−1.6
14.0	M.	.	.. ..	....	.....	....	.	− 2 28 24.1	+0.5	16 5.3	−1.3
16.0	Ep.	.	23 44 27.58	−0.04	64.53	−0.06	.	− 1 41 2.5	−0.9	16 4.3	−1.8
18.0	M.	.	23 51 45.78	−0.03	64.48	−0.06	.	− 0 53 36.4	−1.0	16 3.8	−1.7
19.0	P.	.	23 55 24.67	+0.04	64.54	+0.02	.	− 0 29 52.8	−0.8	16 3.4	−1.9
20.0	Ep.	.	23 59 3.20	−0.10	64.42	−0.08	.	− 0 6 9.0	0.0	16 3.3	−1.7
22.0	P.	.	0 6 20.19	−0.05	64.52	+0.06	.	+ 0 41 12.8	−1.6	16 2.4	−2.1
23.0	Ep.	.	0 9 58.48	−0.07	64.37	−0.08	.	+ 1 4 52.7	−1.3	16 2.2	−2.0
25.0	M.	.	0 17 14.92	−0.04	64.45	+0.01	.	+ 1 52 6.6	−0.4	16 2.6	−1.1
26.0	P.	.	0 20 53.10	0.00	64.44	+0.01	.	+ 2 15 39.2	−0.5	16 1.4	−2.0
27.0	Ep.	.	0 24 31.13	−0.08	64.26	−0.17	.	+ 2 39 9.2	−0.2	16 0.9	−2.2
29.0	P.	.	0 31 47.34	−0.05	64.45	+0.01	.	.. ..	...	.. ....	...
30.0	Ep.	.	0 35 25.39	−0.13	64.39	−0.06	.	+ 3 49 16.5	−0.5	16 1.1	−1.2
Apr. 1.0	P.	.	0 42 41.96	−0.06	64.46	−0.02	.	+ 4 35 40.3	−0.7	15 59.5	−2.2
3.0	Ep.	.	0 49 58.84	−0.11	64.46	−0.06	.	+ 5 21 44.6	−0.5	15 59.4	−1.8
4.0	Ep.	.	0 53 37.64	−0.01	64.50	−0.04	.	+ 5 44 38.6	−0.2	15 59.8	−1.1
5.0	P.	.	0 57 16.60	+0.08	64.56	−0.01	.	+ 6 7 26.0	−0.6	15 58.4	−2.2
6.0	Ep.	.	1 0 55.40	−0.18	64.57	−0.03	.	+ 6 30 7.9	−0.5	15 59.0	−1.3
8.0	Ep.	.	1 8 14.28	−0.10	64.66	−0.01	.	+ 7 15 11.0	−0.8	15 58.6	−1.2
9.0	P.	.	1 11 54.29	+0.13	64.73	+0.02	.	+ 7 37 32.5	−0.2	15 58.5	−1.0
11.0	P.	.	1 19 14.58	+0.02	64.82	+0.03	.	+ 8 21 51.2	−0.4	15 57.4	−1.5
12.0	Ep.	.	1 22 55.10	−0.11	64.67	−0.17	.	+ 8 43 47.8	−1.1	15 57.4	−1.3
20.0	Ep.	.	1 52 33.06	−0.01	65.14	−0.11	.	+11 33 46.0	−0.9	15 53.8	−2.7
23.0	P.	.	2 3 46.40	+0.08	65.47	+0.02	.	+12 34 30.7	−0.9	15 54.4	−1.4
24.0	Ep.	.	2 7 31.52	−0.09	65.54	+0.02	.	+12 54 20.7	−1.3	15 54.3	−1.2
25.0	M.	.	2 11 17.27	−0.09	65.58	−0.01	.	+13 13 58.0	−1.4	15 54.6	−0.7
May 1.0	Ep.	.	2 34 2.00	−0.09	65.93	−0.12	.	+15 6 57.6	−0.2	15 52.2	−1.6
2.0	M.	.	2 37 51.31	−0.06	66.14	+0.01	.	+15 24 55.6	−1.4	15 51.0	−2.6
3.0	P.	.	2 41 41.18	−0.02	66.24	+0.03	.	+15 42 40.2	−0.8	15 52.8	−0.6
4.0	Ep.	.	2 45 31.46	−0.13	66.24	−0.05	.	+16 0 8.0	−1.5	15 52.0	−1.1
9.0	M.	.	3 4 52.16	−0.03	66.68	−0.01	.	+17 23 29.4	+0.4	15 49.6	−2.4
10.0	P.	.	3 8 46.14	+0.06	66.72	−0.05	.	+17 39 17.6	−0.5	15 50.2	−1.6
11.0	Ep.	.	3 12 40.50	−0.06	66.70	−0.15	.	+17 54 49.2	−0.4	15 49.4	−2.2
14.0	P.	.	3 24 27.52	−0.02	67.06	−0.04	.	+18 39 35.8	+0.2	15 49.4	−1.5
18.0	Ep.	.	3 40 18.15	−0.16	67.30	−0.12	.	+19 34 49.9	−2.1	15 49.1	−1.1
20.0	M.	.	3 48 16.97	−0.06	67.52	−0.06	.	+20 0 31.6	+0.4	15 48.6	−1.2
21.0	P.	.	3 52 17.23	+0.05	67.62	−0.03	.	+20 12 50.2	0.0	15 48.6	−1.0
22.0	Ep.	.	3 56 17.67	−0.17	67.65	−0.08	.	+20 24 47.9	−0.4	15 48.5	−0.9
23.0	M.	.	.. ..	....	.....	....	.	+20 36 25.3	0.0	15 47.6	−1.7
24.0	P.	.	4 4 20.68	0.00	67.84	−0.03	.	+20 47 40.0	−1.1	15 48.2	−0.9
25.0	Ep.	.	4 8 22.74	−0.10	67.84	−0.10	.	+20 58 35.4	0.0	15 47.4	−1.6
27.0	M.	.	4 16 28.54	−0.06	68.04	−0.04	.	+21 19 18.1	−0.7	15 47.3	−1.3
28.0	P.	.	4 20 32.22	+0.04	68.18	+0.04	.	+21 29 6.4	−1.0	15 46.9	−1.6
31.0	P.	.	4 32 45.50	−0.07	68.36	+0.04	.	+21 56 17.8	−1.0	15 47.2	−0.9

SUN—Continued.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1912			h m s	s	s	s		° ′ ″	″	′ ″	″
June 1.0	Ep.	.	4 36 50.80	−0.09	68.30	−0.08	.	+22 4 36.0	−1.2	15 46.4	−1.5
3.0	P.	.	4 45 2.72	0.00	68.54	+0.04	.	+22 20 4.2	−0.6	15 46.6	−1.0
5.0	Ep.	.	4 53 15.96	−0.09	68.49	−0.11	.	+22 33 57.6	−1.3	15 45.7	−1.7
7.0	P.	.	5 1 30.82	+0.05	68.68	−0.01	.	+22 46 18.4	−0.2	15 45.3	−1.8
8.0	Ep.	.	.. ..	....	.....	....	.	+22 51 52.0	−0.7	15 44.8	−2.2
10.0	M.	.	5 13 55.07	−0.08	68.76	−0.03	.	+23 1 47.3	−1.1	15 45.3	−1.5
11.0	P.	.	5 18 3.80	0.00	68.80	−0.02	.	+23 6 9.5	−0.5	15 45.2	−1.5
12.0	Ep.	.	5 22 12.58	−0.08	68.72	−0.12	.	+23 10 6.4	−0.8	15 44.4	−2.2
13.0	M.	.	5 26 21.67	−0.05	68.85	−0.01	.	+23 13 40.1	+0.3	15 45.1	−1.4
17.0	P.	.	5 42 59.40	+0.03	68.91	−0.01	.	+23 23 42.6	−0.9	15 44.3	−1.9
20.0	M.	.	5 55 28.18	−0.12	68.90	−0.04	.	+23 26 55.1	−0.9	15 43.4	−2.6
21.0	P.	.	5 59 37.92	−0.02	68.90	−0.04	.	+23 27 9.7	−0.8	15 44.8	−1.2
22.0	M.	.	6 3 47.36	−0.17	68.94	+0.01	.	+23 26 59.4	−0.8	15 44.2	−1.7
24.0	P.	.	6 12 6.52	+0.07	68.86	−0.06	.	+23 25 24.8	−0.4	15 44.1	−1.7
26.0	P.	.	6 20 24.95	+0.03	68.87	−0.02	.	+23 22 11.5	+0.3	15 44.5	−1.3
28.0	P.	.	6 28 42.98	+0.20	68.80	−0.04	.	.. ..	...	.. ....	...
29.0	M.	.	6 32 51.41	−0.02	68.78	−0.03	.	+23 14 14.7	−1.3	15 44.4	−1.3
July 1.0	P.	.	6 41 8.10	+0.02	68.74	−0.01	.	+23 6 57.2	+0.2	15 43.8	−1.9
2.0	M.	.	6 45 15.96	−0.08	68.66	−0.05	.	+23 2 41.0	−0.1	15 43.8	−1.9
3.0	P.	.	6 49 23.78	+0.05	68.68	+0.01	.	+22 58 0.9	−0.2	15 44.1	−1.6
5.0	P.	.	6 57 38.23	−0.01	68.53	−0.05	.	.. ..	...	.. ....	...
6.0	M.	.	7 1 44.92	−0.10	68.46	−0.07	.	+22 41 37.6	−0.2	15 45.0	−0.7
8.0	M.	.	7 9 57.44	−0.11	68.44	+0.01	.	+22 28 43.8	0.0	15 44.0	−1.7
9.0	P.	.	7 14 3.28	+0.01	68.36	−0.01	.	+22 21 41.4	−0.2	15 44.8	−0.9
10.0	M.	.	7 18 8.52	−0.08	68.25	−0.06	.	+22 14 15.8	−0.4	15 44.8	−0.9
11.0	P.	.	7 22 13.50	−0.01	68.28	+0.03	.	+22 6 28.0	+0.2	15 44.4	−1.4
12.0	M.	.	7 26 17.92	−0.07	68.19	0.00	.	.. ..	...	.. ....	...
13.0	P.	.	7 30 21.94	−0.07	68.09	−0.03	.	+21 49 41.6	−1.2	15 44.8	−1.0
15.0	M.	.	7 38 28.52	−0.11	67.88	−0.10	.	+21 31 27.4	−0.3	15 44.3	−1.6
16.0	P.	.	7 42 31.26	+0.08	67.93	+0.02	.	+21 21 47.8	+0.8	15 44.5	−1.5
17.0	M.	.	7 46 33.21	0.00	67.80	−0.04	.	+21 11 44.2	−0.3	15 44.5	−1.5
19.0	Ep.	.	7 54 35.48	−0.14	67.60	−0.09	.	+20 50 34.7	−0.7	15 44.6	−1.6
22.0	M.	.	8 6 34.90	−0.03	67.41	−0.04	.	+20 16 13.5	−0.6	15 45.0	−1.4
25.0	M.	.	8 18 28.82	−0.12	67.12	−0.07	.	+19 38 50.7	+0.2	15 44.6	−2.1
27.0	Ep.	.	8 26 21.83	−0.11	66.93	−0.08	.	+19 12 15.4	−1.3	15 45.4	−1.5
30.0	Ep.	.	.. ..	....	.....	....	.	+18 30 3.8	−0.5	15 45.8	−1.5
31.0	P.	.	8 42 0.80	+0.14	66.67	−0.01	.	+18 15 23.4	0.0	15 46.8	−0.6
Aug. 1.0	Ep.	.	8 45 53.80	−0.04	66.52	−0.08	.	+18 0 24.6	−0.1	15 46.4	−1.1
2.0	P.	.	8 49 46.52	+0.09	66.52	+0.01	.	+17 45 8.7	+0.4	15 46.3	−1.3
5.0	Ep.	.	9 1 20.64	−0.04	66.18	−0.07	.	+16 57 35.0	−0.8	15 47.4	−0.6
7.0	Ep.	.	9 9 0.52	−0.09	65.94	−0.13	.	+16 24 30.8	−0.1	15 46.8	−1.5
13.0	P.	.	9 31 46.76	+0.03	65.51	−0.06	.	.. ..	...	.. ....	...
15.0	Ep.	.	9 39 17.52	−0.12	65.28	−0.14	.	+14 1 58.2	+0.4	15 47.7	−1.9
16.0	P.	.	9 43 2.28	+0.02	65.40	+0.06	.	+13 43 4.8	−0.3	15 49.6	−0.2
19.0	M.	.	9 54 12.95	−0.03	65.04	−0.09	.	+12 45 9.6	−0.7	15 48.8	−1.5
21.0	M.	.	10 1 37.62	+0.03	64.94	−0.05	.	+12 5 33.3	+0.1	15 49.3	−1.4
22.0	Ep.	.	.. ..	....	.....	....	.	+11 45 27.0	−0.4	15 49.2	−1.7
24.0	Ep.	.	10 12 40.91	−0.04	64.69	−0.11	.	+11 4 42.2	−0.7	15 50.2	−1.2
28.0	M.	.	10 27 19.56	+0.06	64.54	−0.02	.	+ 9 41 12.2	+1.0	15 50.6	−1.6
29.0	Ep.	.	10 30 58.18	−0.01	64.40	−0.11	.	+ 9 19 54.0	−0.3	15 50.0	−2.4
30.0	M.	.	10 34 36.46	−0.09	64.38	−0.08	.	.. ..	...	.. ....	...
Sept. 6.0	Ep.	.	10 59 57.15	−0.02	64.04	−0.14	.	+ 6 24 41.2	−1.1	15 52.4	−1.8
7.0	M.	.	11 3 33.49	0.00	64.03	−0.12	.	+ 6 2 17.2	+1.5	15 51.2	−3.3
9.0	Ep.	.	11 10 45.60	−0.04	63.96	−0.14	.	+ 5 17 3.8	−0.7	15 53.1	−1.9
10.0	M.	.	11 14 21.52	+0.03	64.01	−0.07	.	+ 4 54 20.2	−0.4	15 53.6	−1.6

SUN—Continued.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semidiameter.	Correction to Am. Eph.
1912			h m s	s	s	s		° ′ ″	″	′ ″	″
Sept. 11.0	Ep.	.	11 17 57.08	−0.12	63.94	−0.12	.	+ 4 31 31.6	0.0	15 53.5	−2.0
13.0	Ep.	.	11 25 8.19	−0.09	63.95	−0.08	.	+ 3 45 40.3	+0.3	15 54.5	−1.5
16.0	M.	.	.. ..	....	.....	....	.	+ 2 36 23.6	+0.1	15 54.9	−1.9
20.0	P.	.	11 50 15.56	+0.15	64.02	−0.01	.	+ 1 3 21.0	−1.0	15 56.6	−1.2
21.0	Ep.	.	11 53 50.68	−0.08	63.96	−0.08	.	+ 0 40 1.4	−0.4	15 57.2	−0.9
28.0	Ep.	.	12 19 1.52	−0.06	64.18	−0.03	.	− 2 3 37.6	−0.6	15 59.0	−1.0
30.0	M.	.	12 26 15.04	+0 03	64.22	−0.05	.	− 2 50 18.5	0.0	15 59.4	−1.2
Oct. 4.0	P.	.	12 40 45.58	+0.07	64.52	+0.09	.	− 4 23 18.6	+0.4	16 1.1	−0.6
5.0	Ep.	.	12 44 24.00	0.00	64.40	−0.09	.	− 4 46 28.4	−0.8	16 0.0	−1.9
7.0	Ep.	.	12 51 42.18	+0.01	64.58	−0.05	.	− 5 32 34.4	−0.2	16 1.2	−1.3
8.0	P.	.	12 55 21.98	+0.09	64.72	+0.03	.	− 5 55 31.4	+0.1	16 2.9	+0.1
10.0	P.	.	13 2 42.72	+0.04	64.84	+0.02	.	− 6 41 11.2	+0.7	16 3.6	+0.3
11.0	Ep.	.	13 6 23.70	−0.07	64.72	−0.17	.	− 7 3 53.4	+0.8	16 2.7	−0.9
15.0	P.	.	13 21 13.08	−0.04	65.22	+0.01	.	− 8 33 42.4	−0.4	16 4.1	−0.6
16.0	Ep.	.	13 24 56.72	−0.07	65.32	+0.03	.	− 8 55 51.4	+0.1	16 3.6	−1.4
17.0	M.	.	13 28 41.06	+0.04	65.34	−0.04	.	− 9 17 53.2	0.0	16 3.6	−1.7
18.0	P.	.	13 32 25.81	−0.03	65.45	−0.02	.	− 9 39 46.0	+0.8	16 5.6	0.0
21.0	M.	.	13 43 43.90	−0.07	65.68	−0.07	.	−10 44 33.8	+1.3	16 4.8	−1.6
26.0	P.	.	14 2 47.46	+0.04	66.26	+0.01	.	−12 29 16.2	+1.0	16 7.6	−0.1
28.0	M.	.	14 10 29.88	+0.05	66.42	−0.05	.	−13 9 49.9	+2.1	16 7.1	−1.1
29.0	P.	.	14 14 22.18	0.00	66.64	+0.06	.	−13 29 49.7	+1.4	16 6.9	−1.6
30.0	Ep.	.	14 18 15.32	0.00	66.58	−0.11	.	−13 49 37.2	+0.4	16 7.2	−1.5
31.0	M.	.	14 22 9.25	−0.01	66.76	−0.04	.	−14 9 10.4	+0.6	16 7.4	−1.6
Nov. 4.0	M.	.	14 37 53.14	−0.09	67.15	−0.10	.	−15 25 5.4	+0.5	16 7.6	−2.4
5.0	Ep.	.	.. ..	....	.....	....	.	−15 43 27.9	+0.1	16 8.9	−1.3
8.0	P.	.	14 53 50.71	+0.04	67.79	+0.06	.	−16 36 57.8	+1.0	16 10.6	−0.3
11.0	M.	.	15 5 57.66	−0.01	68.02	−0.08	.	−17 27 57.4	+0.6	16 10.3	−1.3
12.0	P.	.	15 10 1.81	+0.12	68.15	−0.07	.	−17 44 21.1	+0.9	16 9.9	−1.9
15.0	P.	.	15 22 18.94	+0.14	68.57	−0.01	.	−18 31 40.8	+0.3	16 11.8	−0.7
16.0	Ep.	.	15 26 26.12	−0.04	68.63	−0.07	.	−18 46 48.1	+0.4	16 12.7	0.0
19.0	Ep.	.	15 38 53.08	−0.09	68.99	−0.05	.	−19 30 8.0	+0.9	16 11.6	−1.7
20.0	P.	.	15 43 3.96	+0.16	69.14	−0.01	.	−19 43 53.4	+0.3	16 11.4	−2.1
21.0	M.	.	15 47 15.30	+0.07	69.18	−0.08	.	−19 57 16.4	+0.6	16 12.3	−1.4
22.0	P.	.	15 51 27.54	+0.08	69.36	−0.01	.	−20 10 18.2	+0.1	16 12.0	−1.9
23.0	Ep.	.	15 55 40.39	−0.07	69.37	−0.11	.	−20 22 56.4	+1.0	16 12.6	−1.5
25.0	M.	.	16 4 8.76	−0.03	69.62	−0.07	.	−20 47 6.6	+1.1	16 13.0	−1.5
26.0	P.	.	16 8 24.18	+0.08	69.84	+0.05	.	−20 58 37.0	+1.2	16 13.2	−1.4
27.0	Ep.	.	16 12 40.06	−0.09	69.82	−0.07	.	−21 9 43.5	+1.7	16 12.9	−1.9
29.0	P.	.	16 21 14.55	+0.10	70.13	+0.04	.	−21 30 46.6	+0.5	16 14.0	−1.1
30.0	Ep.	.	16 25 32.59	−0.07	70.13	−0.05	.	−21 40 41.2	+0.3	16 13.4	−1.9
Dec. 3.0	P.	.	16 38 31.48	+0.12	70.40	−0.03	.	−22 7 54.8	+0.4	16 14.2	−1.5
9.0	M.	.	17 4 44.57	−0.05	70.85	−0.01	.	−22 50 40.7	+2.4	16 15.4	−1.1
10.0	P.	.	17 9 8.58	+0.03	70.94	+0.02	.	−22 56 15.9	+1.6	16 15.3	−1.3
12.0	M.	.	17 17 57.38	−0.18	70.96	−0.06	.	−23 6 4.3	+0.1	16 16.8	0.0
13.0	P.	.	17 22 22.56	−0.02	71.16	+0.10	.	−23 10 14.5	+2.0	16 17.4	+0.5
14.0	Ep.	.	17 26 47.84	−0.06	71.00	−0.10	.	−23 13 59.9	+0.9	16 15.9	−1.1
20.0	P.	.	17 53 24.35	+0.05	71.29	+0.04	.	−23 26 38.0	+1.1	16 17.2	−0.3
21.0	Ep.	.	17 57 50.66	−0.13	71.31	+0.05	.	−23 27 6.0	+0.9	16 16.8	−0.8
23.0	Ep.	.	18 6 43.86	+0.03	71.12	−0.15	.	−23 26 36.4	+1.2	16 15.2	−2.5
24.0	P.	.	18 11 10.42	+0.09	71.24	−0.02	.	−23 25 39.8	+0.8	16 16.2	−1.6

SUN—Continued.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semidiameter.	Correction to Am. Eph.
1912			h m s	s	s	s		° ′ ″	″	′ ″	″
Dec. 26.0	M.	.	18 20 3.02	−0.15	71.24	0.00	.	−23 22 20.3	+1.7	16 16.3	−1.5
27.0	P.	.	.. ..	....	.....	....	.	−23 19 59.0	+1.4	16 17.1	−0.7
28.0	Ep.	.	18 28 55.52	−0.02	71.12	−0.07	.	−23 17 9.6	+1.0	16 16.6	−1.2
1913											
Jan. 2.0	Ep.	.	18 51 2.88	−0.05	70.90	−0.11	.	−22 56 2.0	+1.3	16 16.5	−1.4
4.0	P.	.	18 59 51.77	0.00	70.92	+0.01	.	−22 44 22.4	+0.6	16 18.0	+0.1
6.0	M.	.	19 8 39.04	+0.04	70.74	−0.05	.	−22 30 53.1	+1.2	16 16.4	−1.4
9.0	M.	.	19 21 46.18	−0.11	70.58	0.00	.	−22 7 17.6	+3.8	16 17.2	−0.5
11.0	P.	.	19 30 28.48	+0.07	70.42	0.00	.	−21 49 29.0	−0.1	16 16.4	−1.3
13.0	M.	.	19 39 8.01	−0.09	70.31	+0.05	.	−21 29 52.7	+1.8	16 16.4	−1.2
14.0	P.	.	19 43 27.09	+0.13	70.23	+0.06	.	−21 19 29.2	+0.7	16 17.2	−0.3
15.0	Ep.	.	19 47 45.12	−0.03	69.98	−0.10	.	−21 8 39.8	+1.0	16 16.6	−0.8
17.0	P.	.	19 56 19.58	+0.15	69.91	+0.02	.	−20 45 49.6	+0.3	16 16.6	−0.7
20.0	M.	.	20 9 5.28	−0.05	69.48	−0.10	.	−20 8 37.0	+0.9	16 15.3	−1.8
21.0	P.	.	20 13 19.15	+0.04	69.43	−0.05	.	−19 55 27.2	+1.1	16 16.0	−1.0
22.0	Ep.	.	20 17 32.07	−0.06	69.36	−0.02	.	−19 41 55.7	+0.7	16 16.2	−0.7
25.0	Ep.	.	20 30 6.45	−0.06	68.93	−0.12	.	−18 59 10.5	+0.4	16 14.3	−2.3
28.0	P.	.	20 42 33.72	−0.10	68.72	0.00	.	−18 13 16.6	+1.2	16 15.3	−0.9
30.0	M.	.	20 50 48.00	−0.04	68.52	+0.03	.	−17 41 1.6	+1.6	16 14.8	−1.1
31.0	P.	.	20 54 54.00	+0.06	68.37	0.00	.	−17 24 26.0	+1.2	16 15.2	−0.6
Feb. 1.0	M.	.	20 58 58.92	−0.11	68.30	+0.05	.	−17 7 30.6	+2.0	16 14.0	−1.6
5.0	P.	.	21 15 11.36	+0.07	67.78	−0.01	.	−15 56 56.3	+0.7	16 15.7	+0.7
6.0	M.	.	21 19 12.24	−0.09	67.64	−0.03	.	−15 38 34.2	+1.8	16 13.5	−1.3
7.0	P.	.	21 23 12.54	−0.01	67.60	+0.04	.	−15 19 57.2	+1.7	16 15.4	+0.8
10.0	M.	.	21 35 8.22	−0.14	67.16	−0.06	.	−14 22 34.6	+1.2	16 11.3	−2.8
12.0	Ep.	.	21 43 1.54	−0.05	66.94	−0.06	.	−13 43 8.8	−0.4	16 12.8	−1.0
13.0	M.	.	21 46 56.96	−0.07	66.94	+0.05	.	−13 23 2.9	+1.4	16 12.8	−0.8
14.0	P.	.	21 50 51.76	+0.06	66.79	0.00	.	−13 2 46.3	+1.0	16 12.7	−0.7
15.0	Ep.	.	21 54 45.46	−0.15	66.60	−0.09	.	−12 42 16.5	+1.3	16 11.6	−1.6
18.0	P.	.	22 6 22.97	+0.06	66.39	0.00	.	−11 39 37.6	+0.7	16 12.8	+0.2
19.0	Ep.	.	22 10 13.87	−0.05	66.24	−0.05	.	−11 18 22.2	+0.6	16 11.2	−1.2
21.0	P.	.	22 17 53.96	+0.07	66.06	−0.03	.	−10 35 19.0	+1.5	16 11.4	−0.5
25.0	P.	.	22 33 6.30	−0.02	65.76	+0.03	.	− 9 7 22.0	−0.4	16 10.7	−0.3
28.0	P.	.	22 44 24.66	+0.03	65.52	+0.03	.	− 7 59 52.8	+1.7	16 9.4	−0.9
Mar. 3.0	M.	.	22 55 38.22	−0.06	65.24	−0.04	.	− 6 51 22.9	+0.8	16 7.5	−2.0
5.0	Ep.	.	23 3 5.10	+0.05	65.08	−0.06	.	− 6 5 13.3	−0.1	16 7.7	−1.3
6.0	M.	.	23 6 47.72	−0.06	65.10	+0.02	.	− 5 41 58.4	+1.7	16 8.8	0.0
7.0	P.	.	23 10 30.08	−0.02	65.08	+0.06	.	− 5 18 42.2	+0.2	16 9.1	+0.6
12.0	Ep.	.	23 28 55.94	−0.11	64.69	−0.07	.	− 3 21 17.9	+0.7	16 5.8	−1.4
17.0	M.	.	23 47 14.10	−0.12	64.62	+0.05	.	− 1 22 58.2	+1.1	16 5.4	−0.5
18.0	P.	.	23 50 53.13	−0.01	64.55	+0.01	.	− 0 59 15.8	+1.2	16 4.0	−1.6
19.0	Ep.	.	23 54 31.86	0.00	64.44	−0.08	.	.. ..	...	.. ....	...
22.0	Ep.	.	0 5 27.06	−0.06	64.42	−0.05	.	+ 0 35 28.4	0.0	16 3.8	−0.8
28.0	P.	.	0 27 15.74	−0.04	64.48	+0.04	.	+ 2 56 49.8	−0.2	16 2.5	−0.4
29.0	Ep.	.	0 30 53.84	−0.08	64.30	−0.14	.	+ 3 20 14.5	+0.6	16 0.7	−1.9
Apr. 1.0	P.	.	0 41 48.74	−0.04	64.54	+0.07	.	+ 4 30 1.8	−0.1	16 0.4	−1.4

MOON.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
				Am. Eph.	Manuscript Tables.					Am. Eph.	Manuscript Tables.		
1912			h m s	s	s	s	s		° ′ ″	″	″	′ ″	″
Jan. 31.4	Ep.	I	7 5 59.25	+0.79	+0.19	.....	....	N	+27 33 36.5	+0.3	+0.8	.. ....	...
Feb. 2.5	P.	II	9 21 29.42	+0.60	+0.13	.....	....	N	+20 21 25.0	−2.2	−0.8	.. ....	...
4.6	P.	II	11 17 32.81	+0.51	+0.09	.....	....	S	+ 7 51 34.4	−3.5	−2.1	.. ....	...
5.6	P.	II	12 9 36.14	+0.37	−0.05	.....	....	S	+ 1 2 23.4	−4.0	−2.8	.. ....	...
7.7	M.	II	13 48 43.07	+0.46	0.00	.....	....	S	−11 43 57.7	−3.8	−2.8	.. ....	...
8.7	P.	II	14 38 17.66	+0.67	+0.18	.....	....	S	−17 9 28.3	−1.4	−0.6	.. ....	...
27.3	P.	I	6 34 51.85	+1.22	+0.50	.....	....	N	+28 11 35.0	−0.4	+0.1	.. ....	...
28.4	Ep.	I	7 43 10.87	+0.90	+0.24	.....	....	N	+26 33 23.2	−1.9	−0.4	.. ....	...
Mar. 1.5	P.	I	9 50 59.46	+0.67	+0.13	.....	....	N	+17 41 21.5	−3.5	−1.2	.. ....	...
2.5	Ep.	.	10 48 30.49	+0.62	+0.11	69.35	−0.10	N	+11 22 54.0	−3.1	−0.8	.. ....	...
9.7	P.	II	16 54 19.73	+0.73	+0.13	.....	....	S	−26 48 0.8	+0.7	+0.5	.. ....	...
10.8	M.	II	17 49 56.09	+0.73	+0.12	.....	....	.	.. ..	...	...	.. ....	...
25.3	M.	I	6 12 46.03	+1.15	+0.40	.....	....	N	+28 24 4.9	−0.2	+0.2	.. ....	...
26.3	P.	I	7 19 34.12	+1.06	+0.33	.....	....	N	+27 29 18.3	−2.9	−1.5	.. ....	...
29.4	P.	I	10 23 33.84	+0.81	+0.22	.....	....	N	+14 19 31.0	−4.2	−1.2	.. ....	...
31.5	P.	I	12 9 17.82	+0.58	+0.02	.....	....	N	+ 0 56 15.4	−4.7	−1.9	.. ....	...
Apr. 2.5	Ep.	II	13 50 27.43	+0.56	−0.01	.....	....	S	−12 12 9.4	−1.3	+0.8	.. ....	...
3.6	Ep.	II	14 42 2.65	+0.57	−0.03	.....	....	S	−17 49 28.9	−1.8	−0.2	.. ....	...
4.6	P.	II	15 35 13.75	+0.75	+0.14	.....	....	S	−22 26 35.8	−1.3	−0.3	.. ....	...
5.6	Ep.	II	16 30 7.33	+0.67	+0.05	.....	....	S	−25 50 19.7	−0.5	−0.2	.. ....	...
6.7	P.	II	17 26 16.70	+0.84	+0.21	.....	....	S	−27 51 17.8	−0.2	−0.7	.. ....	...
8.8	P.	II	19 18 22.27	+0.83	+0.23	.....	....	N	−27 32 44.3	−0.1	−2.2	.. ....	...
10.8	P.	II	21 3 43.86	+0.70	+0.16	.....	....	.	.. ..	...	...	.. ....	...
11.9	Ep.	II	21 53 0.42	+0.38	−0.13	.....	....	.	.. ..	...	...	.. ....	...
23.2	P.	I	8 5 19.57	+0.87	+0.21	.....	....	N	+25 40 58.0	−3.4	−1.5	.. ....	...
25.3	M.	I	10 4 47.73	+0.93	+0.32	.....	....	N	+16 21 33.7	−3.5	−0.3	.. ....	...
27.4	Ep.	I	11 49 38.30	+0.71	+0.12	.....	....	N	+ 3 35 2.3	−5.8	−2.4	.. ....	...
May 1.5	M.	II	15 11 40.19	+0.68	+0.04	.....	....	S	−20 32 11.1	−3.4	−1.7	.. ....	...
2.6	P.	II	16 5 59.35	+0.80	+0.15	.....	....	S	−24 29 35.8	−1.0	−0.1	.. ....	...
3.6	Ep.	II	17 2 4.20	+0.66	+0.01	.....	....	S	−27 7 48.6	+1.6	+1.7	.. ....	...
4.6	P.	II	17 59 0.54	+0.85	+0.22	.....	....	S	−28 18 57.0	+1.6	+0.9	.. ....	...
9.8	P.	II	22 20 16.83	+0.56	+0.07	.....	....	N	−14 38 18.7	+3.2	−1.2	.. ....	...
10.8	Ep.	II	23 6 33.20	+0.28	−0.20	.....	....	.	.. ..	...	...	.. ....	...
20.2	M.	I	7 43 48.10	+0.59	−0.03	.....	....	.	.. ..	...	...	.. ....	...
21.2	P.	I	8 48 15.63	+0.80	+0.21	.....	....	N	+22 58 12.3	−3.6	−1.5	.. ....	...
22.2	Ep.	I	9 47 45.61	+0.66	+0.09	.....	....	N	+17 57 14.8	−4.3	−1.7	.. ....	...
24.3	P.	I	11 34 0.67	+0.67	+0.09	.....	....	N	+ 5 32 29.4	−4.9	−1.7	.. ....	...
25.3	Ep.	I	12 23 19.64	+0.64	+0.05	.....	....	N	− 1 3 33.0	−5.2	−2.0	.. ....	...
26.4	P.	I	13 11 58.84	+0.70	+0.08	.....	....	N	− 7 29 47.5	−4.3	−1.2	.. ....	...
27.4	M.	I	14 1 12.99	+0.74	+0.10	.....	....	N	−13 29 41.3	−5.8	−3.1	.. ....	...
28.4	P.	I	14 52 1.31	+0.69	+0.02	.....	....	N	−18 47 8.5	−5.3	−3.1	.. ....	...
30.5	P.	.	16 40 7.15	+0.75	+0.08	69.88	+0.16	S	−26 13 26.5	−0.7	0.0	.. ....	...
31.5	Ep.	II	17 36 44.19	+0.67	+0.02	.....	....	.	.. ..	...	...	.. ....	...
June 1.6	P.	II	18 33 35.59	+0.84	+0.22	.....	....	S	−28 12 17.5	+1.1	+0.1	.. ....	...
3.6	M.	II	20 22 38.85	+0.64	+0.12	.....	....	N	−24 32 14.8	+2.5	+0.1	.. ....	...
5.7	M.	II	22 1 21.06	+0.45	0.00	.....	....	N	−16 28 21.6	+3.1	−0.5	.. ....	...
7.8	Ep.	II	23 32 37.22	+0.27	−0.18	.....	....	N	− 5 35 48.0	+3.3	−1.3	.. ....	...
8.8	P.	II	0 17 56.08	+0.50	+0.04	.....	....	N	+ 0 27 16.5	+3.1	−1.7	.. ....	...
9.8	M.	II	1 4 43.19	+0.51	+0.02	.....	....	.	.. ..	...	...	.. ....	...
10.9	P.	II	1 54 25.07	+0.62	+0.09	.....	....	.	.. ..	...	...	.. ....	...
20.2	M.	I	11 17 37.30	+0.61	+0.08	.....	....	N	+ 7 26 0.7	−5.6	−3.0	.. ...	...
21.3	P.	I	12 8 5.16	+0.65	+0.10	.....	....	N	+ 0 45 43.1	−4.5	−1.9	.. ....	...
22.3	M.	I	12 57 2.56	+0.71	+0.13	.....	....	.	.. ..	...	...	.. ....	...
24.4	P.	I	14 35 46.56	+0.63	−0.03	.....	....	N	−17 21 8.4	−5.0	−2.9	.. ....	...
28.5	P.	I	18 13 51.00	+0.93	+0.27	.....	....	S	−28 14 37.9	+0.4	−0.2	.. ....	...

MOON—Continued.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
				Am. Eph.	Manuscript Tables.					Am. Eph.	Manuscript Tables.		
1912			h m s	s	s	s	s		° ′ ″	″	″	′ ″	
June 29.5	M.	II	19 9 53.02	+0.76	+0.15	.....	....	S	−27 30 33.1	+1.4	+0.1	.. ....	...
July 2.6	P.	II	21 44 21.72	+0.56	+0.12	.....	....	N	−17 57 34.5	+2.6	−0.4	.. ....	...
4.7	P.	II	23 15 39.13	+0.43	+0.03	.....	....	N	− 7 31 43.0	+3.7	0.0	.. ....	...
5.7	M.	II	0 0 0.85	+0.42	+0.02	.....	....	N	− 1 40 39.9	+3.5	−0.4	.. ....	...
6.7	P.	II	0 45 4.57	+0.54	+0.12	.....	....	N	+ 4 21 50.7	+2.4	−1.6	.. ....	...
7.8	M.	II	1 32 11.26	+0.46	0.00	.....	....	N	+10 24 0.2	+2.8	−1.1	.. ....	...
8.8	P.	II	2 22 49.56	+0.60	+0.09	.....	....	N	+16 10 23.7	+2.9	−0.7	.. ....	...
9.8	M.	II	3 18 25.66	+0.76	+0.20	.....	....	.	.. ..	...	...	.. ....	...
19.2	Ep.	I	12 39 38.77	+0.59	+0.06	.....	....	N	− 3 45 28.4	−5.3	−3.2	.. ....	...
22.3	M.	I	15 11 5.53	+0.63	0.00	.....	....	N	−20 49 27.5	−4.0	−2.8	.. ....	...
23.3	Ep.	I	16 4 26.21	+0.74	+0.08	.....	....	N	−24 37 5.6	−3.4	−2.6	.. ....	...
25.4	M.	I	17 55 48.51	+0.83	+0.16	.....	....	S	−28 15 50.8	+2.0	+1.4	.. ....	...
26.4	Ep.	I	18 51 55.40	+0.84	+0.20	.....	....	S	−27 56 31.4	+2.8	+1.5	.. ....	...
27.5	Ep.	I	19 46 37.80	+0.84	+0.26	.....	....	S	−26 14 4.5	+3.3	+1.4	.. ....	...
28.5	P.	.	20 38 58.62	+0.71	+0.19	66.41	+0.01	S	−23 17 36.2	+3.4	+1.0	.. ....	...
29.5	Ep.	II	21 28 35.75	+0.32	−0.14	.....	....	.	−19 19 30.7	+3.4	+0.6	14 43.0	−1.4
30.6	P.	II	22 15 42.02	+0.47	+0.06	.....	....	N	−14 33 11.5	+2.3	−0.8	.. ....	...
Aug. 1.6	P.	II	23 45 5.17	+0.42	+0.06	.....	....	.	.. ..	...	...	.. ....	...
2.7	Ep.	II	0 29 19.42	+0.13	−0.23	.....	....	N	+ 2 31 45.3	+1.8	−1.5	.. ....	...
3.7	P.	II	1 14 50.04	+0.42	+0.04	.....	....	N	+ 8 30 37.7	+2.8	−0.4	.. ....	...
4.7	Ep.	II	2 2 55.63	+0.33	−0.08	.....	....	N	+14 17 12.3	+1.4	−1.5	.. ....	...
16.1	P.	I	13 8 24.77	+0.81	+0.26	.....	....	.	.. ..	...	...	.. ....	...
18.2	P.	I	14 52 2.97	+0.65	+0.05	.....	....	.	.. ..	...	...	.. ....	...
19.2	M.	I	15 45 45.04	+0.68	+0.06	.....	....	.	.. ..	...	...	.. ....	...
22.4	Ep.	I	18 33 47.15	+0.80	+0.18	.....	....	S	−28 20 46.5	+1.7	+0.3	.. ....	...
23.4	M.	I	19 29 1.81	+0.80	+0.22	.....	....	S	−27 2 30.3	+4.0	+2.0	.. ....	...
24.4	Ep.	I	20 22 8.30	+0.82	+0.28	.....	....	S	−24 26 52.2	+3.4	+0.9	.. ....	...
25.5	M.	I	21 12 37.76	+0.77	+0.28	.....	....	S	−20 45 5.4	+4.3	+1.3	.. ....	...
29.6	Ep.	II	0 15 18.33	+0.20	−0.15	.....	....	N	+ 0 46 51.7	+2.7	−0.6	.. ....	...
31.6	M.	II	1 47 16.92	+0.23	−0.11	.....	....	N	+12 40 47.7	+2.0	−0.7	.. ....	...
Sept. 5.8	Ep.	II	6 42 24.85	+0.51	+0.07	.....	....	.	.. ..	...	...	.. ....	...
17.2	P.	I	17 16 3.55	+0.83	+0.21	.....	....	N	−27 57 9.8	−3.5	−4.1	.. ....	...
19.3	M.	I	19 9 32.45	+0.90	+0.34	.....	....	S	−27 46 55.1	+2.5	+0.6	.. ....	...
20.3	P.	I	20 3 37.57	+0.93	+0.40	.....	....	S	−25 36 18.7	+2.5	+0.1	.. ....	...
22.4	P.	I	21 43 50.13	+0.77	+0.30	.....	....	S	−17 56 32.3	+5.1	+1.6	.. ....	...
27.5	Ep.	II	1 32 0.27	+0.28	−0.10	.....	....	N	+10 53 34.0	+2.2	−1.0	.. ....	...
28.6	P.	II	2 21 29.78	+0.39	+0.02	.....	....	N	+16 33 53.3	+2.2	−0.3	.. ....	...
29.6	M.	II	3 14 47.13	+0.36	−0.01	.....	....	N	+21 33 4.5	+1.6	−0.1	.. ....	...
30.7	P.	II	4 12 32.90	+0.60	+0.25	.....	....	N	+25 28 37.4	+1.0	+0.1	.. ....	...
Oct. 3.8	P.	II	7 25 42.94	+0.72	+0.40	.....	....	S	+27 17 55.3	+1.2	+2.1	.. ....	...
4.8	Ep.	II	8 29 58.89	+0.30	−0.02	.....	....	S	+24 3 55.2	+0.5	+1.8	.. ....	...
15.2	P.	I	17 49 18.27	+0.89	+0.27	.....	....	.	.. ..	...	...	.. ....	...
16.2	Ep.	I	18 46 57.57	+0.95	+0.36	.....	....	S	−28 18 11.2	+3.0	+1.4	.. ....	...
18.3	P.	I	20 35 11.97	+0.91	+0.40	.....	....	S	−23 42 17.6	+2.8	0.0	.. ....	...
20.4	P.	I	22 12 11.01	+0.73	+0.28	.....	....	S	−14 57 31.7	+5.9	+2.1	.. ....	...
25.5	P.	.	2 2 51.48	+0.57	+0.11	66.24	−0.09	.	+14 31 4.3	+3.6	0.0	15 29.7	−0.7
26.5	P.	II	2 55 40.24	+0.53	+0.07	.....	....	N	+19 52 59.0	+3.2	+0.4	.. ....	...
27.6	M.	II	3 53 0.12	+0.51	+0.06	.....	....	N	+24 17 26.0	+1.8	0.0	.. ....	...
28.6	P.	II	4 54 50.63	+0.53	+0.11	.....	....	N	+27 18 37.0	+0.1	−0.7	.. ....	...
29.6	Ep.	II	5 59 58.53	+0.37	−0.01	.....	....	N	+28 33 47.7	−1.1	−1.1	.. ....	...
30.7	M.	II	7 6 3.72	+0.36	+0.04	.....	....	S	+27 50 31.9	+2.5	+3.1	.. ....	...
Nov. 2.8	P.	II	10 8 46.80	+0.47	+0.21	.....	....	S	+15 17 0.2	−2.4	−1.3	.. ....	...
3.8	M.	II	11 2 45.26	+0.29	0.00	.....	....	S	+ 8 51 6.0	−3.1	−1.9	.. ....	...
4.9	Ep.	II	11 54 38.46	+0.17	−0.17	.....	....	.	.. ..	...	...	.. ....	...
15.2	P.	I	21 4 29.07	+0.73	+0.22	.....	....	S	−21 22 28.8	+4.3	+1.3	.. ....	...
16.3	Ep.	I	21 52 33.62	+0.74	+0.26	.....	....	S	−16 55 10.4	+5.9	+2.4	.. ....	...
17.3	P.	I	22 38 21.25	+0.67	+0.21	.....	....	.	.. ..	...	...	.. ....	...
18.3	M.	I	23 22 51.41	+0.69	+0.23	.....	....	S	− 6 9 27.2	+7.2	+2.8	.. ....	...
19.3	Ep.	I	0 7 11.57	+0.72	+0.26	.....	....	S	− 0 11 54.2	+6.0	+1.4	.. ....	...
20.4	P.	I	0 52 35.13	+0.54	+0.06	.....	....	S	+ 5 54 36.8	+5.1	+0.5	.. ....	...

MOON—Continued.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to—		Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to—		Vertical Semi-diameter.	Correction to Am. Eph.
				Am. Eph.	Manuscript Tables.					Am. Eph.	Manuscript Tables.		
1912			h m s	s	s	s	s		° ′ ″	″	″	′ ″	″
Nov. 21.4	M.	I	1 40 20.52	+0.71	+0.21	.....	....	S	+11 56 45.6	+6.0	+1.6	.. ....	...
22.4	P.	I	2 31 45.70	+0.77	+0.24	.....	....	S	+17 36 49.8	+5.4	+1.6	.. ....	...
24.5	M.	II	4 29 20.80	+0.60	+0.06	.....	....	N	+26 13 8.5	+1.9	+0.1	.. ....	...
25.6	P.	II	5 35 9.25	+0.73	+0.22	.....	....	N	+28 12 57.0	−0.3	−0.9	.. ....	...
26.6	Ep.	II	6 43 1.25	+0.46	+0.01	.....	....	..	+28 11 15.5	+0.9	+1.2	16 12.8	−1.9
28.7	P.	II	8 53 6.18	+0.44	+0.11	.....	....	S	+22 10 21.3	+1.3	+2.4	.. ....	...
29.7	Ep.	II	9 51 52.02	+0.21	−0.09	.....	....	S	+16 52 41.5	−2.4	−1.2	.. ....	...
30.8	P.	II	10 46 32.73	+0.45	+0.16	.....	....	S	+10 40 39.5	−3.2	−2.1	.. ....	...
Dec. 2.8	P.	II	12 28 33.78	+0.45	+0.13	.....	....	S	− 2 47 42.4	−3.5	−2.5	.. ....	...
12.1	M.	I	20 43 42.98	+0.68	+0.12	.....	....	.	.. ..	...	...	.. ....	...
13.2	P.	I	21 32 59.18	+0.80	+0.27	.....	....	S	−18 36 49.5	+4.7	+1.6	.. ....	...
14.2	Ep.	I	22 19 25.20	+0.80	+0.29	.....	....	S	−13 44 28.7	+5.4	+1.7	.. ....	...
15.2	P.	I	23 3 54.62	+0.70	+0.20	.....	....	S	− 8 20 36.8	+5.5	+1.3	.. ....	...
16.3	P.	I	23 47 33.11	+0.66	+0.17	.....	....	S	− 2 35 28.7	+5.8	+1.3	.. ....	...
19.3	P.	I	2 6 1.34	+0.80	+0.26	.....	....	S	+15 4 51.6	+5.3	+1.2	.. ....	...
20.4	P.	I	2 59 16.11	+0.79	+0.21	.....	....	S	+20 19 17.4	+3.0	−0.4	.. ....	...
21.4	Ep.	I	3 58 2.95	+0.83	+0.24	.....	....	.	+24 37 23.5	+2.4	−0.1	15 58.7	−1.7
22.5	Ep.	I	5 2 28.61	+0.84	+0.25	.....	....	N	+27 28 37.6	+0.7	−0.6	.. ....	...
24.5	P.	II	7 20 34.39	+0.79	+0.28	.....	....	N	+27 8 17.7	−1.0	−0.4	.. ....	...
25.6	M.	II	8 27 41.44	+0.51	+0.06	.....	....	S	+23 47 16.1	+1.0	+2.2	.. ....	...
28.7	P.	II	11 21 48.01	+0.46	+0.10	.....	....	S	+ 5 53 21.5	−2.6	−1.4	.. ....	...
30.8	P.	II	13 3 22.23	+0.51	+0.13	.....	....	S	− 7 40 55.7	−2.8	−1.8	.. ....	...
1913													
Jan. 1.8	Ep.	II	14 46 17.70	+0.38	−0.07	.....	....	.	.. ..	...	...	.. ....	...
13.2	M.	I	0 13 32.62	+0.75	+0.20	.....	....	S	+ 1 14 35.9	+7.1	+2.4	.. ....	...
14.2	P.	I	0 57 31.76	+0.84	+0.27	.....	....	S	+ 7 6 43.1	+5.3	+0.6	.. ....	...
15.3	Ep.	I	1 43 41.10	+0.87	+0.27	.....	....	S	+12 50 29.3	+5.8	+1.4	.. ....	...
18.4	Ep.	I	4 28 20.79	+0.99	+0.34	.....	....	S	+26 22 32.0	+5.1	+3.4	.. ....	...
19.4	M.	.	.. ..	....	....	.....	....	N	+28 16 42.6	+0.4	−0.2	.. ....	...
21.5	P.	I	7 52 47.49	+0.74	+0.22	.....	....	N	+25 45 40.5	−0.9	+0.2	.. ....	...
22.5	M.	II	8 59 12.99	+0.59	+0.12	.....	....	.	+21 22 37.6	−2.7	−1.2	16 42.0	−1.2
25.6	P.	II	11 52 42.70	+0.49	+0.08	.....	....	S	+ 1 28 47.3	−3.4	−2.0	.. ....	...
27.7	P.	II	13 36 49.35	+0.63	+0.18	.....	....	S	−12 8 36.1	−1.9	−0.9	.. ....	...
29.8	M.	II	15 23 42.47	+0.52	+0.01	.....	....	S	−22 37 49.5	−1.8	−1.5	.. ....	...
Feb. 12.2	Ep.	I	2 13 45.20	+1.01	+0.33	.....	....	S	+16 26 53.3	+5.2	+1.0	.. ....	...
13.2	M.	I	3 4 56.01	+0.99	+0.27	.....	....	S	+21 17 16.4	+3.8	+0.4	.. ....	...
14.3	P.	I	4 1 0.83	+1.06	+0.32	.....	....	S	+25 12 28.2	+2.4	+0.2	.. ....	...
15.3	Ep.	I	5 2 21.66	+1.07	+0.33	.....	....	S	+27 47 54.0	+4.4	+3.3	.. ....	...
16.3	M.	I	6 8 7.82	+1.14	+0.43	.....	....	N	+28 37 50.8	−0.9	−0.7	.. ....	...
17.4	M.	I	7 16 3.88	+1.04	+0.39	.....	....	N	+27 24 2.6	−1.9	−0.7	.. ....	...
18.4	P.	I	8 23 14.76	+0.92	+0.34	.....	....	N	+24 3 54.9	−2.0	−0.1	.. ....	...
19.5	Ep.	I	9 27 24.87	+0.84	+0.32	.....	....	N	+18 53 43.8	−2.5	−0.3	.. ....	...
22.6	P.	II	12 19 25.52	+0.57	+0.11	.....	....	S	− 2 18 29.7	−4.1	−2.4	.. ....	...
25.7	Ep.	II	15 2 54.43	+0.52	0.00	.....	....	S	−21 10 54.5	−1.0	−0.6	.. ....	...
27.8	P.	II	16 58 15.36	+0.75	+0.19	.....	....	S	−27 44 14.5	−1.1	−1.7	.. ....	...
Mar. 12.1	Ep.	I	2 47 45.18	+0.94	+0.22	.....	....	.	.. ..	...	...	.. ....	...
16.3	M.	I	6 46 53.29	+1.23	+0.45	.....	....	N	+28 16 50.6	−2.3	−1.1	.. ....	...
17.3	M.	I	7 52 14.17	+1.01	+0.28	.....	....	N	+25 56 41.3	−3.5	−1.3	.. ....	...
18.4	P.	I	8 55 47.65	+0.98	+0.32	.....	....	N	+21 44 19.7	−3.9	−1.0	.. ....	...
20.5	P.	I	10 54 5.57	+0.79	+0.22	.....	....	N	+ 9 8 44.9	−4.7	−1.5	.. ....	...
21.5	Ep.	I	11 49 40.96	+0.84	+0.29	.....	....	.	+ 1 44 22.8	−5.5	−2.6	16 40.3	+0.6
22.5	P.	II	12 44 23.06	+0.75	+0.20	.....	....	S	− 5 42 25.3	−3.8	−1.4	.. ....	...
24.6	P.	II	14 35 50.36	+0.81	+0.25	.....	....	S	−18 47 48.3	−2.2	−1.1	.. ....	...
27.7	P.	II	17 34 8.09	+0.75	+0.17	.....	....	S	−28 33 24.5	+0.1	−0.8	.. ....	...
28.8	Ep.	II	18 33 25.55	+0.69	+0.13	.....	....	.	.. ..	...	...	.. ....	...
31.9	P.	II	21 14 0.40	+0.78	+0.26	.....	....	.	.. ..	...	...	.. ....	...
Apr. 17.4	P.	I	11 23 8.89	+0.85	+0.22	.....	....	N	+ 5 18 58.0	−4.6	−0.6	.. ....	...
18.4	Ep.	I	12 16 52.16	+0.89	+0.26	.....	....	N	− 1 59 30.2	−7.5	−3.8	.. ....	...

MERCURY.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semi-diameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1912			h m s	s	s	s		° ′ ″	″	′ ″	″
Mar. 7.0	M.	I	23 30 51.23	+0.14	.....	......	C	− 4 29 27.2	−1.0	.. ....	.....
16.0	Ep.	I	0 32 32.15	−0.02	.....	......	C	+ 3 48 47.2	+0.2	.. ....	.....
18.0	M.	I	0 45 15.13	−0.01	.....	......	C	+ 5 36 33.5	+0.1	.. ....	.....
19.0	P.	I	0 51 20.96	0.00	.....	......	C	+ 6 28 35.3	−0.3	.. ....	.....
22.0	P.	I	1 8 17.33	−0.06	.....	......	C	+ 8 54 8.3	+0.5	.. ....	.....
25.0	M.	I	1 22 40.67	−0.03	.....	......	C	+10 58 43.7	+0.2	.. ....	.....
26.0	P.	I	1 26 47.89	−0.13	.....	......	C	+11 34 37.6	+0.3	.. ....	.....
30.0	Ep.	I	1 39 26.38	−0.07	.....	......	S	+13 25 48.0	−0.7	.. ....	.....
May 9.9	P.	II	1 33 13.65	+0.15	.....	......	C	+ 6 21 4.8	−0.3	.. ....	.....
10.9	Ep.	II	1 36 27.90	+0.04	.....	......	C	+ 6 36 56.6	−1.1	.. ....	.....
13.9	P.	II	1 47 19.57	+0.26	.....	......	C	+ 7 34 58.3	−0.3	.. ....	.....
17.9	Ep.	II	2 4 18.17	+0.01	.....	......	C	+ 9 13 27.9	−1.9	.. ....	.....
19.9	M.	II	2 13 49.28	+0.02	.....	......	C	+10 10 22.9	−0.8	.. ....	.....
20.9	P.	II	2 18 50.26	+0.20	.....	......	C	+10 40 28.5	−0.6	.. ....	.....
23.9	P.	II	2 34 54.17	+0.22	.....	......	C	+12 16 23.0	+0.3	.. ....	.....
24.9	Ep.	II	2 40 36.06	−0.05	.....	......	C	+12 49 56.4	−0.8	.. ....	.....
27.9	P.	II	2 58 47.67	+0.22	.....	......	C	+14 34 19.3	+0.3	.. ....	.....
30.9	P.	II	3 18 40.94	+0.20	.....	......	C	+16 22 4.5	−0.7	.. ....	.....
31.9	Ep.	II	3 25 42.12	−0.12	.....	......	C	+16 58 14.4	−0.9	.. ....	.....
June 2.9	P.	II	3 40 22.29	+0.15	.....	......	C	+18 10 10.7	0.0	.. ....	.....
7.9	Ep.	II	4 20 40.75	−0.06	.....	......	C	+21 0 10.7	−0.6	.. ....	.....
9.9	M.	II	4 38 12.52	+0.01	.....	......	C	+22 0 24.0	−0.3	.. ....	.....
10.9	P.	C	4 47 14.54	+0.14	.....	......	C	+22 28 1.6	−0.5	.. ....	.....
11.9	Ep.	II	4 56 25.83	+0.03	.....	......	C	+22 53 44.2	−0.3	.. ....	.....
12.9	M.	II	5 5 45.50	−0.10	.....	......	C	+23 17 20.7	+1.0	.. ....	.....
20.0	M.	C	6 12 57.87	+0.08	.....	......	C	+24 50 44.9	−0.1	.. ....	.....
21.0	P.	.	.. ..	....	.....	......	C	+24 52 55.1	0.0	.. ....	.....
22.0	M.	C	6 31 58.69	+0.03	.....	......	C	+24 52 17.4	+0.4	.. ....	.....
24.0	P.	I	6 50 33.32	+0.01	.....	......	C	+24 42 53.4	+0.1	.. ....	.....
29.0	M.	I	7 34 15.94	+0.06	.....	......	C	+23 37 4.7	−0.3	.. ....	.....
July 1.0	P.	I	7 50 27.63	+0.02	.....	......	C	+22 56 33.9	+0.3	.. ....	.....
2.0	M.	I	7 58 15.84	+0.02	.....	......	C	+22 33 47.7	−0.2	.. ....	.....
3.0	P.	I	8 5 52.14	0.00	.....	......	C	+22 9 32.5	−0.2	.. ....	.....
5.0	P.	I	8 20 29.06	−0.06	.....	......	C	+21 17 4.1	−0.3	.. ....	.....
6.0	M.	I	8 27 29.85	0.00	.....	......	C	+20 49 4.7	−1.2	.. ....	.....
8.0	M.	I	8 40 56.24	+0.03	.....	......	C	+19 50 13.9	−0.2	.. ....	.....
9.0	P.	I	8 47 21.97	−0.07	.....	......	C	+19 19 33.4	−0.3	.. ....	.....
10.1	M.	I	8 53 36.43	−0.01	.....	......	C	+18 48 12.0	+0.2	.. ....	.....
13.1	P.	I	9 11 11.96	−0.02	.....	......	C	+17 10 54.9	−0.3	.. ....	.....
19.1	Ep.	I	9 41 23.62	0.00	.....	......	C	+13 50 3.3	−1.1	.. ....	.....
27.1	Ep.	I	10 11 0.23	−0.08	.....	......	C	+ 9 36 15.3	−1.2	.. ....	.....
Sept. 8.9	Ep.	II	10 4 19.97	−0.05	.....	......	C	+12 26 55.0	−0.6	.. ....	.....
9.9	M.	II	10 9 15.20	+0.07	.....	......	C	+12 13 11.7	−0.6	.. ....	.....
10.9	Ep.	II	10 14 31.39	0.00	.....	......	C	+11 55 57.2	−0.7	.. ....	.....
16.9	P.	II	10 51 19.54	+0.26	.....	......	C	+ 9 7 50.5	−0.5	.. ....	.....
19.9	P.	II	11 11 27.03	+0.22	.....	......	C	+ 7 11 57.4	−0.8	.. ....	.....
20.9	Ep.	II	11 18 13.56	−0.01	.....	......	C	+ 6 30 10.3	−0.5	.. ....	.....
27.9	Ep.	II	12 5 11.92	+0.03	.....	......	C	+ 1 13 29.9	−0.9	.. ....	.....
Oct. 8.0	P.	C	13 8 44.85	+0.12	.....	......	C	− 6 28 29.8	+0.3	.. ....	.....
10.0	P.	C	13 21 0.15	+0.19	.....	......	C	− 7 56 39.3	−0.1	.. ....	.....
17.0	M.	C	14 3 11.17	+0.12	.....	......	C	−12 46 38.3	−0.7	.. ....	.....
29.0	P.	C	15 14 34.80	+0.03	.....	......	C	−19 38 23.6	−0.9	.. ....	.....
Nov. 5.1	Ep.	I	15 56 4.62	+0.10	.....	......	C	−22 36 26.1	−0.5	.. ....	.....
11.1	M.	I	16 30 46.92	+0.05	.....	......	C	−24 24 28.1	+1.1	.. ....	.....
19.1	Ep.	I	17 12 1.23	−0.04	.....	......	C	−25 33 13.3	−1.3	.. ....	.....
21.1	M.	I	17 20 21.03	−0.10	.....	......	C	−25 35 22.7	+0.3	.. ....	.....
23.1	Ep.	I	17 27 20.96	−0.06	.....	......	C	−25 31 9.3	−0.8	.. ....	.....
29.1	P.	C	17 36 18.53	−0.12	.....	......	C	−24 37 32.8	−0.7	.. ....	.....
Dec. 20.9	Ep.	II	16 30 48.77	+0.03	.....	......	C	−19 5 11.6	+0.3	.. ....	.....
27.9	Ep.	II	16 52 41.58	+0.02	.....	......	C	−20 35 38.0	+0.1	.. ....	.....

MERCURY—Continued.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semidiameter.	Correction to Am. Eph.
1913			h m s	s	s	s		° ′ ″	″	′ ″	″
Jan. 1.9	Ep.	II	17 16 44.55	+0.02	.....	......	C	−21 50 26.7	+0.1	.. ....	.....
3.9	P.	C	17 27 33.09	+0.19	.....	......	C	−22 17 31.0	−0.8	.. ....	.....
Feb. 4.9	P.	C	20 56 13.88	+0.08	.....	......	.	.. ..	...	.. ....	.....
19.0	Ep.	.	.. ..	....	.....	......	C	−10 44 35.2	+0.5	.. ....	.....
28.0	P.	I	23 34 17.85	−0.03	.....	......	C	− 3 5 29.9	+1.6	.. ....	.....
Mar. 3.0	M.	I	23 52 27.53	0.00	.....	......	C	− 0 28 10.6	+0.3	.. ....	.....
5.0	Ep.	I	0 3 30.13	+0.12	.....	......	C	+ 1 12 19.3	−0.2	.. ....	.....
6.0	M.	I	0 8 36.93	+0.07	.....	......	C	+ 2 0 20.6	+0.4	.. ....	.....
7.0	P.	I	0 13 25.03	−0.02	.....	......	C	+ 2 46 25.3	−0.4	.. ....	.....

VENUS.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semidiameter.	Correction to Am. Eph.
1912											
Dec. 27.1	P.	I	21 23 25.70	−0.09	.....	......	S	−17 18 29.9	+1.2	.. ....	.....
28.1	Ep.	I	21 28 5.67	−0.02	.....	......	S	−16 54 45.9	−0.2	.. ....	.....
1913											
Jan. 4.1	P.	I	21 59 58.68	−0.08	.....	......	S	−13 57 26.5	−0.4	.. ....	.....
9.1	M.	I	21 21 56.93	+0.03	.....	......	S	−11 40 39.2	+1.5	.. ....	.....
13.1	M.	I	22 39 3.60	+0.08	.....	......	S	− 9 46 29.8	+0.5	.. ....	.....
22.1	Ep.	I	23 16 6.77	−0.09	.....	......	S	− 5 18 51.0	−0.7	.. ....	.....
Feb. 5.1	P.	I	0 10 6.92	−0.08	.....	......	S	+ 1 48 59.7	−0.5	.. ....	.....
6.1	M.	I	0 13 48.75	−0.04	.....	......	S	+ 2 19 23.9	+0.6	.. ....	.....
7.1	P.	I	0 17 29.15	−0.13	.....	......	S	+ 2 49 39.9	−1.3	.. ....	.....
14.1	P.	I	0 42 34.32	−0.08	.....	......	S	+ 6 18 18.2	−0.2	.. ....	.....
18.1	P.	I	0 56 21.69	−0.08	.....	......	S	+ 8 13 42.3	−0.9	.. ....	.....
19.1	Ep.	I	0 59 44.46	−0.02	.....	......	S	+ 8 42 2.2	+1.1	.. ....	.....
Mar. 5.1	Ep.	I	1 43 27.49	+0.03	.....	......	S	+14 47 24.1	0.0	.. ....	.....
6.1	M.	I	1 46 15.85	−0.09	.....	......	S	+15 10 50.2	+0.4	.. ....	.....
7.1	P.	I	1 49 1.14	−0.14	.....	......	S	+15 33 48.2	−1.8	.. ....	.....
12.1	Ep.	I	2 1 54.80	−0.13	.....	......	S	+17 21 56.4	−1.4	.. ....	.....
18.1	P.	I	2 15 1.37	−0.14	.....	......	S	+19 14 20.2	−0.7	.. ....	.....
19.1	Ep.	I	2 16 54.46	−0.02	.....	......	S	+19 30 57.9	−0.4	.. ....	.....
28.1	P.	I	2 28 59.29	−0.12	.....	......	S	+21 27 54.1	−0.1	.. ....	.....

JUPITER.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semidiameter.	Correction to Am. Eph.
1912											
May 1.6	M.	.	16 50 50.84	−0.01	1.52	−0.09	C	−21 40 45.8	−0.1	.. ....	.....
2.6	P.	.	16 50 27.83	−0.01	1.67	+0.06	C	−21 40 8.1	+0.3	.. ....	.....
3.6	Ep.	.	16 50 4.16	−0.08	1.54	−0.08	C	−21 39 29.5	+0.5	.. ....	.....
4.6	P.	.	16 49 40.12	+0.04	1.63	+0.01	C	−21 38 50.4	+0.2	.. ....	.....
8.6	M.	.	16 47 58.00	−0.06	1.54	−0.09	C	−21 36 3.0	+0.6	.. ....	.....
13.6	P.	.	16 45 39.64	+0.01	1.66	+0.02	C	−21 32 13.9	−0.4	.. ....	.....
17.6	Ep.	.	16 43 41.42	−0.16	1.64	−0.01	C	−21 28 52.1	+2.3	.. ....	.....
30.5	P.	.	16 36 50.55	−0.08	1.76	+0.10	C	−21 16 56.7	+0.9	.. ....	.....
31.5	Ep.	.	16 36 18.13	−0.08	1.53	−0.13	C	−21 15 58.3	+1.2	.. ....	.....
June 5.5	Ep.	.	16 33 36.30	−0.10	1.54	−0.12	C	−21 11 6.8	−0.5	.. ....	.....
8.5	Ep.	.	16 32 0.20	−0.15	1.60	−0.06	C	−21 8 9.4	+0.5	.. ....	.....
10.5	M.	.	16 30 57.02	−0.08	1.64	−0.02	C	−21 6 12.8	+0.2	.. ....	.....
23.4	P.	.	16 24 34.24	−0.06	1.67	+0.04	C	−20 54 16.1	+0.3	.. ....	.....
29.4	M.	.	16 22 1.82	−0.05	1.55	−0.07	C	−20 49 31.3	0.0	.. ....	.....
July 1.4	P.	.	16 21 15.18	−0.14	1.64	+0.03	C	−20 48 5.1	+0.3	.. ....	.....
2.4	M.	.	16 20 52.84	−0.08	1.54	−0.07	C	−20 47 24.2	0.0	.. ....	.....

SATURN.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1912			h m s	s	s	s		° ′ ″	″	′ ″	″
Oct. 25.6	P.	.	4 4 32.08	+0.01	0.76	+0.06	C	+18 32 59.1	+0.5	.. ....	.....
26.6	P.	.	4 4 16.01	−0.01	0.78	+0.07	C	+18 32 11.0	+1.3	.. ....	.....
27.6	M.	.	4 3 59.62	−0.07	0.68	−0.03	C	+18 31 20.3	+0.1	.. ....	.....
28.6	P.	.	4 3 43.06	−0.02	0.78	+0.07	C	+18 30 30.6	+0.5	.. ....	.....
30.6	M.	.	4 3 9.02	−0.04	0.70	−0.01	C	+18 28 49.1	+0.9	.. ....	.....
Nov. 19.5	Ep.	.	3 56 46.96	−0.09	0.72	+0.01	C	+18 10 25.3	+1.4	.. ....	.....
20.5	P.	.	3 56 26.80	−0.04	0.80	+0.09	C	+18 9 28.2	+1.0	.. ....	.....
21.5	M.	.	3 56 6.52	−0.08	0.70	−0.01	C	+18 8 31.4	+0.7	.. ....	.....
22.5	P.	.	3 55 46.36	+0.02	0.80	+0.09	C	+18 7 34.8	+0.6	.. ....	.....
24.5	M.	.	3 55 5.76	−0.11	0.72	+0.01	C	+18 5 42.2	+0.6	.. ....	.....
30.5	Ep.	.	3 53 5.20	−0.07	0.67	−0.04	C	+18 0 12.5	+2.1	.. ....	.....
Dec. 3.5	Ep.	.	3 52 5.96	−0.06	0.68	−0.03	C	+17 57 30.9	+0.9	.. ....	.....
12.4	M.	.	3 49 16.06	−0.01	0.72	+0.01	C	+17 50 2.6	+1.0	.. ....	.....
13.4	Ep.	.	3 48 58.08	−0.07	0.67	−0.03	C	+17 49 16.2	+0.7	.. ....	.....
14.4	Ep.	.	3 48 40.40	−0.07	0.67	−0.03	C	+17 48 31.8	+1.4	.. ....	.....

URANUS.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1912											
July 2.6	P.	C	20 18 55.77	+0.19	.....	......	C	−20 14 19.1	+0.5	.. ....	.....
6.6	P.	C	20 18 19.18	+0.19	.....	......	C	−20 16 22.5	+1.1	.. ....	.....
7.5	M.	C	20 18 9.85	+0.20	.....	......	C	−20 16 53.8	+1.3	.. ....	.....
12.5	P.	C	20 17 22.21	+0.23	.....	......	C	−20 19 33.0	+1.2	.. ....	.....
15.5	M.	C	20 16 52.92	+0.16	.....	......	C	−20 21 10.2	+0.8	.. ....	.....
25.5	M.	C	20 15 13.84	+0.18	.....	......	C	−20 26 33.3	+1.1	.. ....	.....
26.5	Ep.	C	20 15 3.86	+0.15	.....	......	C	−20 27 5.1	+1.4	.. ....	.....
27.5	Ep.	C	20 14 53.88	+0.12	.....	......	C	−20 27 37.1	+1.4	.. ....	.....
28.5	P.	C	20 14 44.03	+0.20	.....	......	C	−20 28 9.6	+0.8	.. ....	.....
Aug. 5.5	Ep.	C	20 13 25.45	+0.17	.....	......	C	−20 32 18.6	+1.1	.. ....	.....
12.4	P.	C	20 12 19.17	+0.18	.....	......	C	−20 35 45.0	+1.6	.. ....	.....
15.4	Ep.	C	20 11 51.78	+0.15	.....	......	C	−20 37 10.1	+0.9	.. ....	.....
20.4	M.	C	20 11 8.05	+0.18	.....	......	C	−20 39 23.8	+0.8	.. ....	.....
23.4	M.	C	20 10 43.00	+0.16	.....	......	C	−20 40 39.1	+1.2	.. ....	.....
24.4	Ep.	C	20 10 34.89	+0.16	.....	......	C	−20 41 4.6	+0.1	.. ....	.....

NEPTUNE.

Date.	Observer.	Part Observed.	Apparent Right Ascension of Center.	Correction to Am. Eph.	Sidereal Time of Transit of Semidiameter.	Correction to Am. Eph.	Part Observed.	Apparent Declination of Center.	Correction to Am. Eph.	Vertical Semi-diameter.	Correction to Am. Eph.
1912.											
Jan. 31.4	Ep.	C	7 34 14.95	−0.06	.....	......	C	+21 6 7.4	+0.5	.. ....	.....
Feb. 2.4	P.	C	7 34 1.70	−0.05	.....	......	C	+21 6 39.6	+0.6	.. ....	.....
4.4	P.	C	7 33 48.65	−0.08	.....	......	C	+21 7 11.3	+0.8	.. ....	.....
6.4	P.	C	7 33 35.92	−0.03	.....	......	C	+21 7 43.0	+1.4	.. ....	.....
8.4	M.	C	7 33 23.32	−0.12	.....	......	C	+21 8 13.0	+1.0	.. ....	.....
27.4	P.	C	7 31 41.47	−0.09	.....	......	C	+21 12 25.1	+1.0	.. ....	.....
28.4	Ep.	C	7 31 37.11	−0.09	.....	......	.	.. ..	...	.. ....	.....
Mar. 1.4	P.	C	7 31 28.79	−0.04	.....	......	C	+21 12 57.6	+0.9	.. ....	.....
2.4	Ep.	C	7 31 24.73	−0.09	.....	......	C	+21 13 7.1	+0.1	.. ....	.....
Dec. 22.6	Ep.	C	7 48 26.79	−0.09	.....	......	C	+20 35 24.8	+0.8	.. ....	.....
24.6	P.	C	7 48 14.07	−0.02	.....	......	C	+20 35 57.7	0.0	.. ....	.....
25.6	M.	C	7 48 7.54	−0.06	.....	......	C	+20 36 15.1	+0.2	.. ....	.....
28.6	P.	C	7 47 47.78	−0.04	.....	......	C	+20 37 7.3	+0.5	.. ....	.....
1913											
Jan. 3.5	P.	C	7 47 6.85	−0.11	.....	......	C	+20 38 54.1	+0.1	.. ....	.....
9.5	Ep.	C	7 46 24.80	−0.09	.....	......	C	+20 40 44.2	−0.2	.. ....	.....
14.5	Ep.	C	7 45 49.31	−0.07	.....	......	C	+20 42 17.8	+0.3	.. ....	.....
19.5	M.	C	7 45 13.76	−0.11	.....	......	C	+20 43 51.0	+0.2	.. ....	.....
21.5	P.	C	7 44 59.66	−0.06	.....	......	C	+20 44 28.5	+0.6	.. ....	.....
Feb. 4.4	P.	C	7 43 24.10	−0.05	.....	......	C	+20 48 39.0	−0.2	.. ....	.....
6.4	M.	C	7 43 11.12	−0.13	.....	......	C	+20 49 13.0	−0.2	.. ....	.....
12.4	Ep.	C	7 42 34.11	−0.02	.....	......	C	+20 50 51.0	−0.6	.. ....	.....
13.4	M.	C	7 42 28.11	−0.10	.....	......	C	+20 51 7.0	−0.3	.. ....	.....
15.4	Ep.	C	7 42 16.50	−0.12	.....	......	C	+20 51 38.2	+0.1	.. ....	.....
16.4	M.	C	7 42 10.83	−0.12	.....	......	C	+20 51 53.4	+0.2	.. ....	.....

INDIVIDUAL RESULTS

OF

OBSERVATIONS OF STARS.

α Andromedæ

$\alpha = 0^h\ 3^m\ 13^s.168$
$\delta = +28^\circ\ 32'\ 15''.92$

1912		s	″
July 22	Ep.	+0.05	+0.4
Aug. 1	P.	+0.03	+0.3
29	Ep.	−0.02	+0.2
Oct. 7	P.	+0.03	+0.7
Nov. 4	M.	+0.01	+0.1
17	P.	0.00	+0.9
25	M.	−0.01	+0.7
29	P.	0.00	+0.4
Dec. 9	M.	+0.02	+1.2
15	P.	−0.01	+0.6
16	P.	0.00	+0.8
24	P.	0.00	+0.6
28	Ep.	−0.02	+0.2
1913			
Jan. 4	P.	0.00	+0.2
Mean		+0.006	+0.52

γ Pegasi

$\alpha = 0^h\ 8^m\ 5^s.139$
$\delta = +14^\circ\ 37'\ 39''.34$

1912		s	″
July 22	Ep.	+0.09	0.0
Aug. 1	P.	−0.03	−0.2
6	Ep.	0.00	+0.6
29	Ep.	+0.01	+0.9
Nov. 4	M.	+0.04	+0.5
17	P.	+0.02	+0.9
25	M.	+0.01	+0.7
29	P.	+0.03	+0.1
Dec. 9	M.	+0.08	+1.0
15	P.	+0.02	−0.1
16	P.	+0.09	+0.6
24	P.	+0.03	+0.8
28	Ep.	+0.07	+0.6
1913			
Jan. 4	P.	+0.05	−0.1
Mean		+0.036	+0.45

ι Ceti

$\alpha = 0^h\ 14^m\ 19^s.972$
$\delta = -9^\circ\ 22'\ 42''.13$

1912		s	″
July 22	Ep.	0.00	+1.2
Aug. 1	P.	+0.02	+0.4
6	Ep.	+0.02	+0.4
Nov. 17	P.	+0.05	+1.2
19	Ep.	+0.05	+0.6
25	M.	+0.06	+1.2
29	P.	+0.11	−0.1
Dec. 9	M.	+0.04	+0.8
15	P.	+0.10	+0.1
16	P.	+0.02	+1.5
28	Ep.	+0.05	+0.6
Mean		+0.047	+0.72

12 Ceti

$\alpha = 0^h\ 24^m\ 56^s.154$
$\delta = -4^\circ\ 30'\ 35''.35$

1912		s	″
Aug. 1	P.	+0.01	+0.3

β Ceti

$\alpha = 0^h\ 38^m\ 34^s.431$
$\delta = -18^\circ\ 32'\ 6''.89$

1912		s	″
Aug. 1	P.	0.00	−1.1
2	Ep.	+0.05	−0.3
3	P.	−0.01	−0.1
4	Ep.	+0.05	+0.3
6	Ep.	+0.07	+0.1
14	Ep.	+0.06	+0.3
Nov. 4	M.	+0.01	−0.2
19	Ep.	+0.10	−0.4
29	P.	+0.06	−1.0
Dec. 14	Ep.	+0.04	+0.1
16	P.	+0.07	+0.2
27	P.	+0.05	−0.6
28	Ep.	+0.10	−0.3
1913			
Jan. 4	P.	+0.03	−1.1
9	M.	+0.04	+0.7
13	M.	+0.06	+0.5
Mean		+0.049	−0.18

ζ Andromedæ

$\alpha = 0^h\ 42^m\ 2^s.102$
$\delta = +23^\circ\ 43'\ 22''.53$

1912		s	″
Aug. 2	Ep.	−0.02	+0.8
3	P.	+0.01	+0.5
4	Ep.	0.00	+0.6
5	P.	−0.04	−0.2
6	Ep.	+0.03	+0.8
14	Ep.	−0.02	+0.5
Sept. 8	Ep.	+0.02	+0.7
Mean		−0.003	+0.53

ε Piscium

$\alpha = 0^h\ 57^m\ 45^s.081$
$\delta = +7^\circ\ 21'\ 6''.77$

1912		s	″
Aug. 2	Ep.	0.00	−0.2
3	P.	+0.04	+0.4
4	Ep.	0.00	+0.1
5	P.	−0.02	+0.3
7	P.	+0.02	+1.1
14	Ep.	+0.03	+0.3
15	P.	+0.10	+0.9
18	M.	+0.03	+0.2
Sept. 8	Ep.	0.00	+0.7
Mean		+0.022	+0.42

B. D.+87° 9

$\alpha = 1^h\ 2^m$
$\delta = +87^\circ\ 48'$

1913		s	″
Jan. 9	M.	15.10	9.1
13	M.	13.41	8.9
14	P.	14.67	10.2
15	Ep.	14.63	9.6
Mean		14.452	9.45

B. D.+87° 9 s. p.

$\alpha = 1^h\ 2^m$
$\delta = +87^\circ\ 48'$

1913		s	″
Jan. 25	P.	13.93	8.3
29	M.	14.94	9.0
Feb. 9	M.	13.43	9.8
14	Ep.	14.27	8.3
Mean		14.142	8.85

β Andromedæ

$\alpha = 1^h\ 4^m\ 8^s.022$
$\delta = +35^\circ\ 5'\ 24''.00$

1912		s	″
Aug. 2	Ep.	0.00	0.0
Nov. 19	Ep.	−0.04	+0.5
20	P.	−0.05	+0.4
23	Ep.	....	+0.9
25	M.	+0.01	+1.2
29	P.	−0.03	+0.1
Dec. 9	M.	+0.04	+0.3
14	Ep.	+0.01	+0.7
16	P.	−0.04	+0.4
27	P.	−0.05	+1.2
1913			
Jan. 11	P.	+0.05	+0.3
Mean		−0.010	+0.55

θ Ceti

$\alpha = 1^h\ 19^m\ 1^s.410$
$\delta = -8^\circ\ 42'\ 0''.30$

1912		s	″
Feb. 5	M.	[+0.04]	([+0.9])
6	P.	[+0.04]	([−0.5])
8	M.	[+0.01]	([−0.2])
9	P.	....	([−0.2])
June 20	P.	[+0.08]	[−0.1]
21	M.	[0.00]	[+0.4]
July 5	M.	[+0.04]	[−0.1]
7	M.	[+0.07]	[+0.3]
8	P.	[+0.03]	[+0.3]
15	P.	[+0.01]	[+0.4]
22	Ep.	[+0.02]	[+0.8]
Aug. 2	Ep.	+0.03	+0.3
3	P.	+0.05	+0.3

1912		s	″
Aug. 4	Ep.	+0.08	−0.1
7	P.	+0.07	+1.0
14	Ep.	+0.03	+0.3
15	P.	+0.03	+0.8
18	M.	+0.02	+0.4
23	Ep.	+0.03	+0.1
27	M.	+0.08	+0.9
Sept. 8	Ep.	+0.05	−0.3
Nov. 20	P.	+0.06	−0.3
21	M.	+0.08	+0.1
22	P.	+0.11	+0.3
23	Ep.	....	+0.5
25	M.	+0.04	+0.2
29	P.	+0.05	−0.3
30	Ep.	+0.06	−0.1
Dec. 3	P.	+0.06	+0.4
9	M.	+0.07	+0.2
13	P.	+0.08	−0.1
14	Ep.	+0.01	+0.3
15	P.	+0.08	+0.1
16	P.	+0.03	+0.9
19	P.	+0.04	+0.6
20	P.	+0.07	−0.2
24	P.	+0.07	−0.7
27	P.	0.00	+0.6
28	Ep.	+0.07	−0.1
1913			
Jan. 4	P.	+0.04	+0.1
9	M.	+0.04	+0.9
11	P.	+0.05	−0.3
13	M.	+0.01	+0.6
14	P.	+0.07	0.0
15	Ep.	+0.07	−0.2
17	P.	+0.07	−0.9
22	Ep.	+0.03	+1.2
25	Ep.	[−0.04]	[+0.1]
28	P.	[+0.01]	[+0.9]
Feb. 7	P.	[+0.02]	[−0.1]
19	Ep.	[−0.02]	[0.0]
Mean		+0.052 [+0.022]	+0.21 [+0.26]

α Ursæ Minoris

$\alpha = 1^h\ 22^m\ 34^s.997$

$\delta = +88°\ 46'\ 26''.64$

1912		s	″
Feb. 5	M.	[−0.42]	([−0.3])
6	P.	[+1.89]	([+0.2])
8	M.	[−0.28]	([+0.5])
9	P.	[+0.95]	([+0.7])
Mar. 2	Ep.	[+0.05]	[−0.3]
7	M.	[−3.48]	[+0.4]
16	Ep.	[−2.31]	[+0.5]
June 9	M.	[+3.15]	[−0.6]
10	P.	[+1.81]	[0.0]
16	P.	[−0.78]	[−0.5]
20	P.	[+2.74]	[−0.7]
21	M.	[+1.19]	[+0.7]
25	P.	[+0.48]	[−0.6]
July 4	P.	[+1.32]	[+0.6]
5	M.	[+1.84]	[−0.3]
7	M.	[+1.78]	[+0.4]
8	P.	[+2.71]	[+0.2]
12	P.	[+0.99]	[−0.1]
15	P.	[+1.73]	[+1.0]
22	Ep.	[+1.90]	[+0.4]
Aug. 2	Ep.	+1.60	−0.5
4	Ep.	+0.31	0.0
14	Ep.	+2.08	+0.2
18	M.	+0.60	−0.3
23	Ep.	+0.33	+0.3
27	M.	−0.36	+0.1
Sept. 8	Ep.	+2.60	−0.1
Nov. 20	P.	−0.85	+0.7
21	M.	+0.39	0.0
22	P.	+1.47	+0.4
23	Ep.	−0.05	+0.7
25	M.	+2.01	+0.8
29	P.	+0.92	+0.8
30	Ep.	−0.57	+0.3
Dec. 3	P.	+2.30	+0.4
9	M.	+0.72	−0.1
13	P.	+0.92	+0.3
14	Ep.	+0.68	+0.4
15	P.	−0.31	+0.6
19	P.	+0.57	+0.4
20	P.	+0.53	−0.1
24	P.	+0.46	+1.2
28	Ep.	+1.85	+0.9
1913			
Jan. 4	P.	−1.00	+0.2
9	M.	+2.26	+0.3
13	M.	+0.06	0.0
14	P.	+1.68	+0.4
15	Ep.	+1.03	+0.6
22	Ep.	+2.05	+1.1
25	Ep.	[−0.18]	[−0.3]
28	P.	[+1.89]	[+0.2]
Feb. 7	P.	[+1.40]	[+0.1]
14	P.	[−0.13]	[+0.9]
18	P.	[−0.20]	[0.0]
19	Ep.	[+0.33]	[+0.7]
25	P.	[−0.23]	[−0.4]
Mar. 5	Ep.	[−0.25]	[+0.3]
6	M.	[+2.90]	[−1.2]
7	P.	[−3.21]	[+0.5]
12	Ep.	[+2.22]	[−0.8]
18	P.	[+1.22]	[−0.1]
19	Ep.	[+1.65]	[−1.2]
28	P.	[+0.38]	[−0.2]
29	Ep.	[+2.21]	[−1.1]
Mean		+0.837 [+0.780]	+0.34 [−0.05]

α Ursæ Minoris S. P.

$\alpha = 1^h\ 22^m\ 35^s.002$

$\delta = +88°\ 46'\ 26''.65$

1912		s	″
Feb. 5	P.	+0.35	(−0.9)
6	Ep.	−0.79	(0.0)
7	M.	+0.08	(−0.9)
28	M.	−0.69	+0.4
Mar. 1	Ep.	−1.23	+1.0
9	P.	+0.36	−1.4
10	M.	−0.40	+0.6
June 10	M.	+2.76	+0.1
11	P.	+1.60	−0.2
13	M.	+1.71	+0.1
17	P.	[+2.15]	[−0.8]
21	P.	[+1.68]	[+0.3]
28	P.	[+2.09]	[−0.4]
July 2	M.	[+3.00]	[−0.7]
5	P.	[+1.35]	[−0.6]
6	M.	[+1.83]	[+0.1]
8	M.	[+1.86]	[−0.6]
9	P.	[+0.65]	[−0.6]
13	P.	[+0.63]	[+0.1]
19	Ep.	[+0.03]	[−0.2]
27	Ep.	[+0.30]	[−0.4]
Aug. 15	Ep.	[+1.10]	[−0.4]
16	P.	[+1.53]	[−0.4]
24	Ep.	[+1.45]	[−0.2]
30	M.	[+3.14]	[−0.1]
Sept. 6	Ep.	[+0.51]	[+0.4]
10	M.	[+3.15]	[+0.6]
11	Ep.	[+1.46]	[+0.7]
13	Ep.	[+0.24]	[+1.1]
21	Ep.	[+0.63]	[+0.5]
28	Ep.	[+1.45]	[+0.8]
Oct. 28	P.	[−0.46]	[+0.7]
Nov. 10	M.	[+0.72]	[−0.4]
11	P.	[+1.53]	[+1.3]
15	Ep.	[+1.91]	[0.0]
18	Ep.	[+0.79]	[−0.1]
20	M.	[+0.96]	[+0.4]
22	Ep.	[+0.64]	[−0.4]
24	M.	[+1.45]	[+0.5]
25	P.	[+0.48]	[+0.1]
28	P.	[+0.48]	[+0.1]
29	Ep.	[−0.03]	[0.0]
Dec. 2	P.	[+1.60]	[−0.2]
8	M.	[+0.44]	[−1.3]
9	P.	[+0.79]	[−0.5]
12	P.	[+1.08]	[−0.8]
13	Ep.	[+2.89]	[−0.6]
16	P.	[+1.97]	[−0.2]
27	Ep.	+2.69	−0.6
30	P.	+2.35	−0.3
1913			
Jan. 1	Ep.	+0.11	−0.2
8	M.	−0.84	+0.1
13	P.	−0.04	−0.7
21	Ep.	−1.70	−0.4
25	P.	+0.10	−0.5
27	P.	+2.50	+0.2
29	M.	−0.02	−0.7
31	M.	−0.19	−0.4
Feb. 4	P.	+1.12	−0.1
6	P.	+0.40	−0.1
9	M.	−1.21	+0.1
13	P.	+0.90	−0.1
14	Ep.	−0.44	−0.7
17	P.	+1.67	−0.6
18	Ep.	+1.89	−0.6
22	P.	−1.52	0.0
27	P.	+2.69	−0.6
Mar. 2	M.	+1.03	+0.1
6	P.	+3.01	+0.5
11	Ep.	+0.40	−0.3
17	P.	+1.99	−1.2
20	P.	−0.18	+0.1
21	Ep.	−1.56	−0.1
22	P.	−0.48	0.0
24	P.	+1.34	−1.0
27	P.	+1.57	0.0
28	Ep.	+0.68	−0.6
29	P.	+0 46	−0.2
30	M.	+0.77	−0.9
Mean		+0.567 [+1.249]	−0.24 [−0.06]

η Piscium

$\alpha = 1^h\ 26^m\ 7^s.871$

$\delta = +14°\ 49'\ 49''.33$

1912		s	″
Aug. 3	P.	+0.07	+0.8
5	P.	+0.03	+0.9
7	P.	+0.08	+0.8
15	P.	+0.05	+1.2
Dec. 21	Ep.	+0.03	+0.4
27	P.	+0.04	+0.4
1913			
Jan. 11	P.	+0.05	+0.4
17	P.	+0.06	−0.4
Mean		+0.051	+0.56

ν Piscium

$\alpha = 1^h\ 36^m\ 13^s.573$
$\delta = +4^\circ\ 58'\ 54''.02$

1912		s	″
Aug. 3	P.	+0.04	+0.1
4	Ep.	+0.02	+0.1
5	P.	+0.03	+1.0
7	P.	+0.02	+0.7
18	M.	+0.01	+1.0
27	M.	+0.01	+0.5
31	M.	+0.01	+1.1
Mean		+0.020	+0.64

ο Piscium

$\alpha = 1^h\ 40^m\ 6^s.786$
$\delta = +8^\circ\ 39'\ 16''.76$

1912		s	″
Aug. 4	Ep.	+0.02	+0.7
5	P.	+0.04	+1.5
7	P.	+0.07	+1.0
15	P.	+0.05	+1.0
18	M.	+0.02	+0.4
23	Ep.	−0.01	+0.6
27	M.	+0.01	0.0
31	M.	+0.03	+1.5
Sept. 27	Ep.	+0.05	+0.5
28	P.	+0.05	+1.0
Mean		+0.033	+0.82

β Arietis

$\alpha = 1^h\ 49^m\ 6^s.919$
$\delta = +20^\circ\ 19'\ 7''.94$

1912		s	″
July 12	P.	[+0.02]	[+0.2]
Aug. 5	P.	+0.08	+0.9
7	P.	+0.07	+1.2
15	P.	+0.10	+0.6
18	M.	+0.12	0.0
27	M.	+0.10	+0.8
Sept. 8	Ep.	+0.08	+0.7
27	Ep.	+0.10	+0.8
28	P.	+0.07	+0.8
Nov. 21	M.	+0.10	+0.1
23	Ep.	....	+0.3
30	Ep.	+0.03	+1.3
Dec. 9	P.	+0.06	+0.9
21	Ep.	+0.09	0.0
27	P.	+0.07	+0.5
1913			
Jan. 4	P.	+0.07	+0.4
9	M.	+0.11	+0.8
11	P.	+0.07	+0.2
13	M.	+0.05	0.0
14	P.	+0.08	+0.6
15	Ep.	+0.08	+0.3
17	P.	+0.08	−0.3
Feb. 14	P.	[−0.04]	[−0.3]
18	P.	[−0.01]	[−0.9]
25	P.	[+0.07]	[0.0]
Mar. 6	M.	[−0.04]	[+0.4]
12	Ep.	[−0.05]	[−1.3]
18	P.	[+0.02]	[−0.5]
Mean		+0.080	+0.52
		[−0.004]	[−0.34]

α Arietis

$\alpha = 2^h\ 1^m\ 32^s.237$
$\delta = +22^\circ\ 59'\ 20''.97$

1912		s	″
Aug. 14	Ep.	+0.07	+0.4
15	P.	+0.08	+0.7
18	M.	+0.05	+0.8
27	M.	+0.03	+0.7
31	M.	+0.07	+0.8
Sept. 8	Ep.	+0.05	+0.7
27	Ep.	+0.02	+0.5
28	P.	+0.05	+0.2
Nov. 20	P.	−0.01	+0.4
21	M.	+0.06	+0.5
23	Ep.	....	+0.7
30	Ep.	+0.04	0.0
Dec. 14	Ep.	+0.06	+0.6
20	P.	−0.02	+0.1
21	Ep.	+0.01	+0.1
27	P.	−0.02	+0.7
1913			
Jan. 9	M.	+0.05	+0.8
11	P.	+0.03	0.0
13	M.	+0.01	+0.4
14	P.	+0.04	+0.5
15	Ep.	+0.02	+0.1
17	P.	+0.03	−0.1
22	Ep.	+0.06	+1.0
28	P.	+0.05	+0.5
Mar. 7	P.	[+0.04]	[0.0]
19	Ep.	....	[0.0]
28	P.	[+0.04]	[−1.0]
Mean		+0.036	+0.46

β Trianguli

$\alpha = 2^h\ 3^m\ 35^s.619$
$\delta = +34^\circ\ 30'\ 51''.12$

1912		s	″
Dec. 20	P.	−0.03	+0.1
21	Ep.	−0.05	−0.1
1913			
Jan. 11	P.	+0.01	0.0
14	P.	−0.03	+0.5
15	Ep.	0.00	+0.3
17	P.	−0.04	−0.4
22	Ep.	+0.01	+0.9
28	P.	+0.05	+0.7
Mean		−0.010	+0.25

ξ² Ceti

$\alpha = 2^h\ 22^m\ 50^s.493$
$\delta = +8^\circ\ 0'\ 42''.90$

1912		s	″
Feb. 9	P.	....	[+0.7]
Aug. 31	M.	+0.01	+0.3
Sept. 8	Ep.	0.00	+0.7
Oct. 25	P.	+0.03	+0.6
Mean		+0.013	+0.53

δ Ceti

$\alpha = 2^h\ 34^m\ 21^s.387$
$\delta = -0^\circ\ 6'\ 9''.73$

1912		s	″
Aug. 31	M.	0.00	+0.5
Sept. 28	P.	+0.06	+0.7
Oct. 25	P.	+0.04	+0.7
Nov. 19	Ep.	0.00	−0.4
20	P.	0.00	+0.2
30	Ep.	+0.03	+0.6
Dec. 12	M.	+0.07	−0.1
14	Ep.	−0.01	+0.3
19	P.	−0.02	+1.5
20	P.	+0.03	−0.6
1913			
Jan. 9	M.	0.00	+0.5
13	M.	0.00	+0.8
14	P.	+0.02	+0.5
15	Ep.	+0.02	+0.3
17	P.	−0.01	−1.0
22	Ep.	+0.05	+1.0
28	P.	+0.03	+0.3
Feb. 5	P.	+0.04	+0.2
Mean		+0.019	+0.33

μ Ceti

$\alpha = 2^h\ 39^m\ 32^s.336$
$\delta = +9^\circ\ 41'\ 31''.14$

1912		s	″
Aug. 23	Ep.	0.00	−0.6
31	M.	+0.03	+0.5
Mean		+0.015	−0.05

η Eridani

$\alpha = 2^h\ 51^m\ 32^s.597$
$\delta = -9^\circ\ 17'\ 48''.46$

1912		s	″
Aug. 23	Ep.	−0.06	+0.9
Sept. 5	Ep.	0.00	0.0
27	Ep.	−0.04	+0.7
28	P.	+0.03	+0.8
Mean		−0.018	+0.60

α Ceti

$\alpha = 2^h\ 57^m\ 3^s.058$
$\delta = +3^\circ\ 41'\ 50''.03$

1912		s	″
Aug. 23	Ep.	+0.09	+1.3
Sept. 5	Ep.	+0.04	+0.6
27	Ep.	+0.06	+1.1
28	P.	+0.06	+0.7
Oct. 25	P.	+0.06	+0.8
Nov. 19	Ep.	+0.05	+1.0
20	P.	+0.01	+0.8
21	M.	+0.02	+1.3
22	P.	+0.03	+1.0
30	Ep.	+0.01	+0.9
Dec. 12	M.	+0.10	+0.5
14	Ep.	+0.09	+1.0
19	P.	+0.06	+1.8
21	Ep.	+0.05	+0.3
1913			
Jan. 9	M.	+0.07	+1.1
18	Ep.	+0.01	0.0
28	P.	+0.03	+0.9
Feb. 7	P.	+0.01	+0.5
Mean		+0.047	+0.87

B. D. +87° 23

$\alpha = 2^h\ 58^m$
$\delta = +88^\circ\ 11'$

1913		s	″
Jan. 13	M.	54.91	41.0
14	P.	55.73	41.4
15	Ep.	55.00	41.2
22	Ep.	53.46	41.9
Feb. 5	P.	55.46	41.4
Mean		54.912	41.38

B. D. +87° 23 S. P.

$\alpha = 2^h\ 58^m$
$\delta = +88^\circ\ 11'$

1913		s	″
Jan. 25	P.	55.01	40.6
29	M.	53.61	41.4
Feb. 14	Ep.	53.23	40.7
17	P.	53.87	41.0
Mar. 11	Ep.	55.14	40.5
Mean		54.172	40.84

δ Arietis

$\alpha = 3^h\ 5^m\ 54^s.703$
$\delta = +19^\circ\ 20'\ 55''.03$

1912		s	″
Aug. 23	Ep.	+0.03	0.0
Sept. 5	Ep.	+0.07	+0.1
27	Ep.	+0.02	+0.6
28	P.	+0.02	0.0

1912		s	″
Oct. 25	P.	+0.02	0.0
26	P.	+0.04	−0.1
Mean................		+0.033	+0.10

ο Tauri

$\alpha = 3^h\ 19^m\ 25^s.785$

$\delta = +8^\circ\ 40'\ 36''.45$

1912		s	″
Sept. 6	M.	+0.06	+0.5
19	P.	+0.01	+0.8
29	M.	+0.01	+1.1
Oct. 26	P.	+0.04	+0.7
Nov. 19	Ep.	+0.10	+0.3
20	P.	−0.05	+1.0
21	M.	0.00	+0.7
22	P.	+0.05	+0.2
Dec. 12	M.	−0.02	+0.3
19	P.	+0.05	+0.7
20	P.	0.00	−0.2
21	Ep.	+0.04	−0.4
1913			
Jan. 13	M.	+0.02	+1.2
14	P.	+0.02	+0.7
15	Ep.	+0.03	−0.3
18	Ep.	+0.02	0.0
22	Ep.	+0.06	+1.5
28	P.	+0.01	+0.5
Feb. 5	P.	+0.02	+0.5
7	P.	+0.04	+1.7
14	P.	+0.03	+0.3
Mean................		+0.026	+0.56

f Tauri

$\alpha = 3^h\ 25^m\ 21^s.085$

$\delta = +12^\circ\ 35'\ 38''.75$

1912		s	″
Sept. 6	M.	+0.02	+0.9
9	M.	+0.10	+1.0
19	P.	−0.02	+0.6
29	M.	−0.01	+1.0
Oct. 26	P.	+0.02	+1.3
Mean................		+0.022	+0.96

ε Eridani

$\alpha = 3^h\ 28^m\ 12^s.281$

$\delta = -9^\circ\ 47'\ 47''.40$

1912		s	″
Sept. 6	M.	+0.07	+0.5
9	M.	+0.08	+0.7
10	Ep.	+0.06	+0.4
19	P.	+0.05	−0.2
29	M.	+0.08	+0.9
Mean................		+0.068	+0.46

η Tauri

$\alpha = 3^h\ 41^m\ 32^s.336$

$\delta = +23^\circ\ 47'\ 44''.95$

1912		s	″
Sept. 9	M.	+0.03	+1.1
10	Ep.	+0.02	+1.4
19	P.	−0.03	+0.8
30	P.	−0.01	+0.9
Oct. 26	P.	−0.02	+1.3
Nov. 19	Ep.	+0.04	+0.8
20	P.	+0.01	+0.6
21	M.	−0.02	+1.4
22	P.	+0.05	+0.5
30	Ep.	+0.01	+0.9
Dec. 12	M.	+0.05	+1.6
19	P.	+0.05	+1.6
20	P.	+0.02	+0.8
1913		s	″
Jan. 18	Ep.	+0.02	+0.4
22	Ep.	+0.02	+1.6
28	P.	+0.02	+1.2
Feb. 5	P.	+0.07	+1.2
7	P.	+0.05	+1.6
14	P.	−0.01	+0.9
Mean................		+0.019	+1.08

γ Eridani

$\alpha = 3^h\ 53^m\ 21^s.881$

$\delta = -13^\circ\ 47'\ 35''.83$

1912		s	
Sept. 5	Ep.	+0.01	+0.6
6	M.	+0.05	+0.8
9	M.	+0.06	+0.7
10	Ep.	−0.01	+0.7
19	P.	−0.03	+0.1
30	P.	+0.01	+0.2
Oct. 9	P.	0.00	+0.6
25	P.	−0.04	+1.0
26	P.	−0.02	+1.2
Dec. 12	M.	+0.04	+0.7
1913			
Jan. 18	Ep.	+0.05	+0.5
Feb. 5	P.	+0.02	+0.9
7	P.	−0.01	+0.8
14	P.	−0.02	+0.3
21	P.	−0.03	+0.2
Mean................		+0.005	+0.62

ν Tauri

$\alpha = 3^h\ 57^m\ 50^s.177$

$\delta = +5^\circ\ 42'\ 42''.94$

1912		s	″
Sept. 5	Ep.	+0.03	+0.8
9	M.	+0.04	+1.1
10	Ep.	−0.03	+1.1
19	P.	−0.01	+1.2
30	P.	0.00	+0.5
Oct. 9	P.	+0.03	+0.6
25	P.	+0.04	+0.9
26	P.	+0.06	+1.6
Nov. 24	M.	−0.02	+0.4
Dec. 12	M.	+0.02	+1.2
13	Ep.	−0.01	+0.2
1913			
Jan. 18	Ep.	+0.01	+0.1
Feb. 5	P.	−0.03	+1.0
7	P.	+0.05	+1.1
21	P.	−0.02	+0.9
Mean................		+0.011	+0.85

151 H¹. Cephei

$\alpha = 4^h\ 5^m\ 5^s.809$

$\delta = +85^\circ\ 17'\ 29''.62$

1913		s	″
Feb. 5	P.	+0.73	0.0

151 H¹. Cephei S. P.

$\alpha = 4^h\ 5^m\ 5^s.810$

$\delta = +85^\circ\ 17'\ 29''.62$

1913		s	″
Feb. 17	P.	−0.40	+1.1

ο¹ Eridani

$\alpha = 4^h\ 6^m\ 59^s.040$

$\delta = -7^\circ\ 5'\ 52''.40$

1912		s	″
Sept. 5	Ep.	+0.01	+0.2
9	M.	+0.04	+0.6
10	Ep.	−0.05	+0.5
12	Ep.	−0.01	+0.8
1912		s	″
Sept. 15	M.	+0.03	−0.3
Oct. 9	P.	+0.04	+0.2
Mean................		+0.010	+0.33

δ Tauri

$\alpha = 4^h\ 17^m\ 10^s.098$

$\delta = +17^\circ\ 18'\ 28''.66$

1912		s	″
Sept. 6	M.	+0.10	+0.8
10	Ep.	−0.03	+0.6
12	Ep.	+0.04	+0.5
15	M.	0.00	+0.4
29	M.	+0.05	−0.2
30	P.	+0.03	+1.0
Oct. 9	P.	+0.01	+0.1
17	P.	+0.02	+0.6
25	P.	+0.01	+0.4
27	M.	+0.06	+0.5
28	P.	+0.01	0.0
Nov. 24	M.	+0.02	+0.5
Dec. 13	Ep.	+0.01	+0.6
1913			
Jan. 18	Ep.	+0.05	+0.8
Feb. 5	P.	+0.02	+0.5
7	P.	+0.02	+0.6
14	P.	−0.01	+0.2
21	P.	+0.03	+0.5
Mean................		+0.024	+0.47

ε Tauri

$\alpha = 4^h\ 22^m\ 46^s.692$

$\delta = +18^\circ\ 57'\ 30''.97$

1912		s	″
Sept. 6	M.	+0.01	+1.5
12	Ep.	+0.02	+1.0
15	M.	+0.05	+0.3
20	Ep.	0.00	+0.5
29	M.	+0.01	+0.5
30	P.	+0.02	+0.7
Oct. 9	P.	−0.01	+0.7
17	P.	+0.06	+0.5
27	M.	+0.02	+0.5
28	P.	0.00	+0.2
Nov. 24	M.	+0.02	+0.7
Dec. 13	Ep.	+0.05	+0.7
1913			
Feb. 14	P.	0.00	+0.8
21	P.	+0.10	+1.0
Mean................		+0.025	+0.69

α Tauri

$\alpha = 4^h\ 30^m\ 10^s.951$

$\delta = +16^\circ\ 18'\ 27''.59$

1912		s	″
Sept. 12	Ep.	+0.06	+0.9
20	Ep.	+0.01	+0.7
29	M.	+0.06	+0.6
30	P.	+0.08	+0.9
Oct. 9	P.	+0.13	+0.4
17	P.	+0.04	+0.5
27	M.	+0.06	+0.9
28	P.	+0.01	+0.4
Dec. 3	Ep.	+0.08	+0.4
13	Ep.	+0.06	+0.7
1913			
Feb. 14	P.	+0.06	+0.8
21	P.	+0.06	+0.5
28	P.	+0.08	+0.6
Mean................		+0.061	+0.64

τ Tauri
$\alpha = 4^h\ 36^m\ 14^s.538$
$\delta = +22^\circ\ 45'\ 54''.34$

1912		s	″
Sept. 15	M.	+0.01	+0.8
20	Ep.	+0.01	+0.8
Oct. 27	M.	+0.01	+1.1
28	P.	−0.01	+0.5
Mean................		+0.005	+0.80

ι Aurigæ
$\alpha = 4^h\ 50^m\ 28^s.817$
$\delta = +33^\circ\ 0'\ 27''.97$

1912		s	″
Nov. 24	M.	+0.01	+0.7
Dec. 3	Ep.	+0.02	+0.4
13	Ep.	0.00	+0.6
1913			
Feb. 21	P.	+0.05	+0.8
25	P.	0.00	+0.5
28	P.	+0.01	+0.4
Mean................		+0.015	+0.57

ι Tauri
$\alpha = 4^h\ 57^m\ 7^s.148$
$\delta = +21^\circ\ 26'\ 49''.03$

1912		s	″
Sept. 12	Ep.	−0.02	+1.6
15	M.	−0.05	+1.4
Oct. 17	P.	−0.02	+1.7
27	M.	−0.01	+1.2
30	M.	−0.01	+1.8
Mean................		−0.022	+1.54

β Eridani
$\alpha = 5^h\ 2^m\ 55^s.945$
$\delta = -5^\circ\ 12'\ 57''.09$

1912		s	″
Sept. 15	M.	+0.01	+0.4
Oct. 14	P.	−0.03	+0.8
17	P.	0.00	+1.0
27	M.	−0.07	+0.3
28	P.	−0.03	+0.6
30	M.	−0.02	+1.4
Mean................		−0.023	+0.75

β Orionis
$\alpha = 5^h\ 9^m\ 43^s.898$
$\delta = -8^\circ\ 19'\ 1''.40$

1912		s	″
Oct. 14	P.	+0.03	+0.7
28	P.	+0.06	+0.7
30	M.	+0.02	+1.5
Nov. 24	M.	+0.09	+0.6
Dec. 3	Ep.	+0.09	+0.6
13	Ep.	+0.05	+0.7
1913			
Feb. 25	P.	+0.07	+0.6
28	P.	+0.06	+0.9
Mar. 6	M.	+0.08	+1.0
7	P.	+0.05	+0.6
Mean................		+0.060	+0.79

γ Orionis
$\alpha = 5^h\ 19^m\ 46^s.023$
$\delta = +6^\circ\ 15'\ 32''.79$

1912		s	″
Sept. 20	Ep.	0.00	+0.8
Oct. 14	P.	+0.02	+0.7
30	M.	+0.05	+1.5
Mean................		+0.023	+1.00

β Tauri
$\alpha = 5^h\ 19^m\ 58^s.225$
$\delta = +28^\circ\ 31'\ 20''.78$

1912		s	″
Nov. 24	M.	+0.05	+0.3
Dec. 3	Ep.	+0.04	+0.9
1913			
Feb. 13	M.	+0.02	+0.6
15	Ep.	+0.02	0.0
25	P.	+0.02	+0.9
28	P.	+0.02	+1.1
Mar. 3	M.	+0.09	+0.7
6	M.	+0.07	+1.0
7	P.	+0.04	+1.1
Mean................		+0.041	+0.73

δ Orionis
$\alpha = 5^h\ 26^m\ 53^s.849$
$\delta = -0^\circ\ 22'\ 23''.09$

1912		s	″
Sept. 20	Ep.	−0.04	+0.8
Oct. 14	P.	+0.06	+0.9
30	M.	−0.01	+1.5
Dec. 3	Ep.	+0.08	+0.8
1913			
Feb. 13	M.	+0.02	+0.4
15	Ep.	+0.01	−0.1
25	P.	+0.03	+1.1
28	P.	+0.03	+0.9
Mar. 3	M.	+0.05	+0.3
6	M.	+0.05	+1.4
7	P.	+0.02	+0.5
Mean................		+0.027	+0.77

ε Orionis
$\alpha = 5^h\ 31^m\ 8^s.339$
$\delta = -1^\circ\ 15'\ 56''.37$

1912		s	″
Sept. 20	Ep.	0.00	+0.2
Oct. 3	P.	+0.05	−0.5
6	Ep.	+0.04	+1.0
14	P.	+0.08	+0.3
29	Ep.	+0.06	−0.4
30	M.	+0.08	+1.6
Mean................		+0.052	+0.37

κ Orionis
$\alpha = 5^h\ 43^m\ 0^s.827$
$\delta = -9^\circ\ 42'\ 18''.28$

1912		s	″
Oct. 3	P.	−0.01	+0.4
6	Ep.	+0.01	+1.0
29	Ep.	+0.02	+0.3
Mean................		+0.007	+0.57

α Orionis
$\alpha = 5^h\ 49^m\ 45^s.498$
$\delta = +7^\circ\ 23'\ 18''.74$

1912		s	″
Oct. 3	P.	+0.07	+0.3
4	Ep.	+0.03	−0.1
6	Ep.	+0.04	+0.9
9	P.	+0.01	+0.9
10	Ep.	+0.02	+0.8
14	P.	+0.06	+0.3
17	P.	+0.01	+0.6
29	Ep.	+0.04	+0.2
Nov. 25	P.	+0.01	−0.4
Dec. 3	Ep.	+0.09	−0.1
22	Ep.	+0.05	+0.3
1913		s	″
Jan. 19	M.	+0.04	+0.1
25	Ep.	−0.02	+0.8
30	M.	+0.03	−0.1
Feb. 12	Ep.	+0.05	−0.2
13	M.	−0.05	+0.4
25	P.	+0.03	+0.3
28	P.	+0.05	+0.9
Mar. 3	M.	+0.04	+0.1
5	Ep.	−0.05	+0.6
6	M.	+0.04	+0.5
7	P.	+0.04	+0.7
Mean................		+0.029	+0.35

ν Orionis
$\alpha = 6^h\ 1^m\ 51^s.779$
$\delta = +14^\circ\ 46'\ 49''.39$

1912		s	″
Oct. 15	Ep.	−0.03	+1.3

η Geminorum
$\alpha = 6^h\ 8^m\ 50^s.464$
$\delta = +22^\circ\ 32'\ 8''.89$

1912		s	″
Mar. 19	P.	−0.02	+0.3
Apr. 10	Ep.	[−0.12]	...
Oct. 3	P.	−0.01	0.0
4	Ep.	−0.03	0.0
10	Ep.	−0.07	+1.3
15	Ep.	−0.07	+1.3
29	Ep.	−0.01	+0.4
Mean................		−0.035	+0.55

μ Geminorum
$\alpha = 6^h\ 16^m\ 54^s.723$
$\delta = +22^\circ\ 33'\ 52''.65$

1912		s	″
Mar. 7	M.	−0.08	+0.3
19	P.	+0.02	0.0
30	Ep.	....	[−0.1]
Oct. 3	P.	+0.03	+0.1
4	Ep.	+0.03	+0.2
15	Ep.	+0.01	+0.8
29	Ep.	+0.01	+0.1
Nov. 25	P.	+0.02	−0.2
Dec. 22	Ep.	0.00	+0.4
1913			
Jan. 7	P.	+0.01	−0.2
19	M.	+0.01	+0.1
25	Ep.	+0.03	+1.2
30	M.	+0.03	0.0
Feb. 6	M.	0.00	0.0
10	M.	+0.02	...
12	Ep.	+0.01	−0.1
13	M.	−0.03	+0.2
15	Ep.	0.00	+0.2
16	M.	+0.01	+0.6
17	M.	−0.08	...
25	P.	−0.04	+0.1
Mar. 3	M.	−0.02	+0.5
5	Ep.	+0.01	+0.2
6	M.	+0.06	−0.5
7	P.	+0.02	+0.5
12	Ep.	−0.01	+0.8
Mean................		+0.003	+0.23

γ Geminorum
$\alpha = 6^h\ 31^m\ 56^s.165$
$\delta = +16^\circ\ 29'\ 4''.32$

1912		s	″
Jan. 31	Ep.	−0.05	...
Mar. 7	M.	+0.05	+1.1
19	P.	+0.04	+0.3
22	P.	+0.01	+1.4
30	Ep.	....	[+1.0]

1912		s	″
Oct. 3	P.	−0.01	+0.6
4	Ep.	0.00	+0.8
6	Ep.	+0.01	+1.3
10	Ep.	−0.01	+1.8
29	Ep.	0.00	+0.7
Nov. 25	P.	0.00	+0.7
Dec. 22	Ep.	+0.03	+0.9
25	M.	+0.01	+0.8
1913			
Jan. 7	P.	+0.02	+0.7
19	M.	+0.02	+0.6
25	Ep.	+0.02	+0.5
30	M.	+0.01	−0.1
Feb. 6	M.	+0.08	+0.3
10	M.	+0.04	...
12	Ep.	+0.04	0.0
15	Ep.	+0.04	+0.8
16	M.	+0.02	0.0
17	M.	+0.07	+0.7
Mar. 3	M.	+0.03	+0.4
5	Ep.	+0.01	+1.0
7	P.	+0.03	+0.7
12	Ep.	+0.02	+0.5
Mean................		+0.020	+0.69

ε Geminorum

$\alpha = 6^h\ 37^m\ 46^s.805$
$\delta = +25^\circ\ 13'\ 48''.72$

1912		s	″
Jan. 31	Ep.	+0.02	(+0.3)
Mar. 7	M.	+0.03	+0.4
19	P.	+0.01	−0.2
22	P.	+0.02	+0.6
Oct. 4	Ep.	+0.04	−0.2
6	Ep.	+0.06	+1.1
10	Ep.	0.00	+1.0
16	M.	+0.02	+0.2
Nov. 25	P.	+0.04	+0.5
Dec. 22	Ep.	+0.02	...
25	M.	+0.05	+0.3
1913			
Jan. 7	P.	0.00	+0.4
19	M.	+0.06	+0.1
25	Ep.	+0.06	+0.3
30	M.	+0.01	+0.5
Feb. 4	P.	+0.02	−0.1
6	M.	+0.06	−0.3
10	M.	+0.06	...
12	Ep.	+0.03	...
15	Ep.	+0.04	+0.2
16	M.	+0.04	−0.2
17	M.	+0.04	...
18	P.	+0.07	+0.4
Mar. 3	M.	−0.02	−0.4
12	Ep.	+0.02	+0.2
Mean................		+0.032	+0.24

ξ Geminorum

$\alpha = 6^h\ 39^m\ 40^s.533$
$\delta = +13^\circ\ 0'\ 10''.23$

1912		s	″
Mar. 7	M.	−0.07	+0.5
19	P.	−0.03	+0.7
25	M.	+0.03	+0.7
Oct. 6	Ep.	0.00	+0.8
10	Ep.	−0.01	...
Nov. 25	P.	+0.03	−0.6
Dec. 22	Ep.	+0.01	+0.5
1913			
Jan. 7	P.	+0.03	+0.6
Feb. 4	P.	0.00	−0.2
10	M.	+0.01	...
12	Ep.	0.00	0.0
17	M.	−0.01	+0.4
18	P.	+0.02	+0.4

1913		s	″
Mar. 5	Ep.	+0.04	+0.7
12	Ep.	−0.01	+0.5
Mean................		+0.003	+0.38

51 H. Cephei

$\alpha = 6^h\ 53^m\ ..^s..$
$\delta = +87^\circ\ 12'\ ..''..$

1912		s	″
Apr. 9	P.	[+0.30]	[−0.4]
11	P.	[+0.27]	[+0.6]

51 H. Cephei s. P.

$\alpha = 6^h\ 53^m\ 43^s.285$
$\delta = +87^\circ\ 12'\ 20''.09$

1912		s	″
Apr. 8	P.	[+0.39]	[−0.3]
May 2	P.	+0.72	−0.7

ζ Geminorum

$\alpha = 6^h\ 58^m\ 10^s.709$
$\delta = +20^\circ\ 43'\ 1''.39$

1912		s	″
Jan. 31	Ep.	−0.01	(+1.6)
Feb. 6	P.	+0.07	(+1.1)
8	M.	−0.02	(+1.2)
27	P.	+0.05	+0.5
Mar. 2	Ep.	+0.03	+1.1
7	M.	+0.01	+1.2
19	P.	+0.03	+0.6
22	P.	+0.02	+1.4
25	M.	−0.01	+0.8
26	P.	+0.02	+0.6
Oct. 16	M.	+0.03	+0.9
20	M.	+0.01	+1.1
Nov. 25	P.	+0.06	+0.3
Dec. 22	Ep.	+0.01	+0.6
25	M.	+0.03	+0.4
1913			
Jan. 7	P.	+0.01	+0.4
19	M.	+0.02	+0.5
21	P.	+0.01	+1.2
22	M.	+0.08	+1.0
25	Ep.	+0.03	+1.1
30	M.	−0.01	0.0
Feb. 4	P.	+0.02	+1.4
6	M.	+0.05	+0.1
10	M.	−0.05	...
12	Ep.	0.00	+0.8
13	M.	−0.02	+0.3
15	Ep.	+0.04	+1.0
16	M.	+0.03	+0.7
17	M.	−0.06	+0.6
18	P.	0.00	+0.9
Mar. 5	Ep.	+0.06	+1.4
12	Ep.	+0.06	+1.0
18	P.	−0.03	+0.7
Mean................		+0.017	+0.78

λ Geminorum

$\alpha = 7^h\ 12^m\ 20^s.774$
$\delta = +16^\circ\ 43'\ 14''.49$

1912		s	″
Feb. 4	P.	0.00	(+0.4)
6	P.	+0.01	(+1.2)
8	M.	−0.01	(+1.2)
27	P.	+0.01	+0.6
28	Ep.	−0.01	+0.8
Mar. 1	P.	+0.01	+1.2
2	Ep.	0.00	+0.5
7	M.	0.00	+0.9
16	Ep.	−0.02	+1.2

1912		s	″
Mar. 22	P.	−0.02	+0.8
25	M.	−0.01	+0.7
26	P.	0.00	+0.1
Oct. 10	Ep.	+0.01	+1.2
16	M.	+0.04	+0.9
20	M.	+0.02	+0.8
Nov. 3	M.	+0.01	...
26	Ep.	−0.01	+0.2
Dec. 24	P.	−0.04	0.0
25	M.	−0.03	+0.3
1913			
Jan. 7	P.	+0.03	+0.6
21	P.	−0.01	+1.2
22	M.	−0.02	+0.8
30	M.	−0.13	+0.4
Feb. 4	P.	−0.03	+0.9
6	M.	−0.01	−0.1
16	M.	−0.05	+0.5
18	P.	0.00	+0.5
Mar. 12	Ep.	+0.01	−0.1
16	M.	−0.02	0.0
18	P.	−0.08	+0.1
Mean................		−0.012	+0.58

ι Geminorum

$\alpha = 7^h\ 19^m\ 30^s.901$
$\delta = +27^\circ\ 59'\ 47''.79$

1912		s	″
Jan. 31	Ep.	+0.02	(+0.8)
Feb. 4	P.	0.00	(+0.2)
6	P.	+0.06	(+0.9)
8	M.	−0.01	(+0.3)
27	P.	+0.01	+0.4
28	Ep.	−0.01	+0.5
Mar. 1	P.	+0.03	+0.8
2	Ep.	−0.02	+0.1
16	Ep.	−0.01	+1.0
22	P.	−0.03	+0.5
25	M.	+0.03	+0.2
Oct. 15	Ep.	−0.03	...
16	M.	+0.02	+0.1
20	M.	+0.06	+1.4
Nov. 2	P.	−0.01	+1.0
3	M.	−0.01	...
26	Ep.	−0.02	+0.3
28	P.	0.00	−0.1
Dec. 25	M.	+0.02	+0.3
1913			
Jan. 21	P.	+0.01	+0.7
22	M.	+0.01	0.0
Feb. 4	P.	+0.02	+0.4
6	M.	−0.03	−0.4
16	M.	+0.02	0.0
17	M.	−0.04	+0.6
Mar. 5	Ep.	+0.04	+0.3
16	M.	−0.02	0.0
17	M.	−0.01	−0.5
18	P.	−0.03	+0.1
28	P.	−0.02	0.0
Apr. 1	P.	−0.03	+0.2
Mean................		+0.001	+0.32

β Canis Minoris

$\alpha = 7^h\ 21^m\ 43^s.661$
$\delta = +8^\circ\ 29'\ 26''.73$

1912		s	″
Feb. 8	M.	+0.03	(+1.1)
Mar. 1	P.	−0.07	+1.0
16	Ep.	+0.01	+1.7
22	P.	+0.02	+0.8
25	M.	+0.02	+0.6
Oct. 15	Ep.	0.00	+1.0
16	M.	+0.02	+0.6
20	M.	+0.08	+1.4

1912		s	″
Nov. 2	P.	−0.02	+1.4
3	M.	0.00	...
26	Ep.	+0.01	+0.5
28	P.	+0.02	+0.7
1913			
Feb. 4	P.	+0.01	+1.3
19	Ep.	+0.01	+0.7
Mean................		+0.010	+0.98

β Geminorum

$\alpha = 7^h\ 39^m\ 11^s.269$

$\delta = +28^\circ\ 16'\ 3''.50$

1912		s	″
Jan. 31	Ep.	+0.06	(+0.8)
Feb. 4	P.	+0.05	(+1.0)
6	P.	+0.02	(+1.1)
8	M.	+0.07	(+1.1)
27	P.	+0.01	+0.6
Mar. 1	P.	+0.06	+1.1
2	Ep.	+0.04	0.0
13	Ep.	0.00	+0.9
16	Ep.	+0.04	+1.0
25	M.	+0.02	−0.3
26	P.	+0.03	+0.6
Oct. 15	Ep.	+0.05	+1.1
20	M.	+0.11	+1.0
Nov. 3	M.	+0.02	...
26	Ep.	+0.02	+0.4
28	P.	+0.06	+0.8
Dec. 24	P.	−0.06	+0.2
1913			
Jan. 3	P.	+0.01	+0.2
19	M.	−0.03	−0.1
21	P.	−0.02	+0.3
22	M.	0.00	+0.5
Feb. 18	P.	+0.04	+0.3
19	Ep.	+0.04	+0.6
Mar. 16	M.	+0.02	+0.6
17	M.	+0.02	+0.5
18	P.	0.00	+0.7
28	P.	+0.03	−0.2
29	Ep.	+0.06	+0.8
Apr. 1	P.	+0.06	+0.6
Mean................		+0.029	+0.51

χ Geminorum

$\alpha = 7^h\ 57^m\ 22^s.673$

$\delta = +28^\circ\ 4'\ 28''.55$

1912		s	″
Feb. 8	M.	−0.05	(+1.1)
Mar. 13	Ep.	−0.02	+0.6
16	Ep.	0.00	+1.2
Apr. 4	Ep.	−0.02	+0.7
Mean................		−0.022	+0.83

4 B. Ursæ Minoris

$\alpha = 7^h\ 58^m\ 2^s.088$

$\delta = +88^\circ\ 55'\ 59''.58$

1912		s	″
Nov. 2	P.	+0.98	+0.3
19	P.	−1.86	+1.2
1913			
Mar. 28	P.	+1.37	−0.2
Apr. 1	P.	+1.80	+0.1
Mean................		+0.572	+0.35

4 B. Ursæ Minoris s. p.

$\alpha = 7^h\ 58^m\ 2^s.098$

$\delta = +88^\circ\ 55'\ 59''.57$

1912		s	″
Oct. 18	P.	+0.74	−0.8
29	P.	+0.64	−0.9
Mean................		+0.690	−0.85

β Cancri

$\alpha = 8^h\ 11^m\ 5^s.516$

$\delta = +9^\circ\ 29'\ 37''.20$

1912		s	″
Jan. 31	Ep.	+0.07	(+0.5)
Feb. 2	P.	+0.05	(+1.0)
4	P.	+0.02	(+0.7)
6	P.	+0.04	(+1.0)
Mar. 1	P.	+0.07	+1.1
2	Ep.	+0.03	−0.2
13	Ep.	....	+0.3
16	Ep.	+0.03	+1.0
26	P.	+0.02	0.0
Apr. 5	P.	+0.03	+0.1
9	P.	+0.06	−0.5
11	P.	+0.02	+0.4
Oct. 20	M.	+0.09	+0.8
Nov. 3	M.	+0.04	...
4	Ep.	+0.03	+0.6
8	Ep.	+0.01	+0.7
26	Ep.	+0.01	+0.4
28	P.	0.00	+0.6
Dec. 24	P.	+0.03	−0.3
25	M.	+0.02	+0.2
28	P.	+0.04	+0.4
1913			
Jan. 3	P.	+0.04	+1.0
9	Ep.	+0.03	...
21	P.	+0.02	+1.1
22	M.	+0.02	+0.3
Feb. 18	P.	+0.03	+0.6
19	Ep.	+0.05	+0.2
Mar. 16	M.	+0.13	+0.5
17	M.	+0.06	+0.8
18	P.	−0.06	0.0
29	Ep.	+0.04	+0.2
Mean................		+0.036	+0.41

30 Monocerotis

$\alpha = 8^h\ 20^m\ 39^s.821$

$\delta = -3^\circ\ 34'\ 48''.55$

1912		s	″
Feb. 2	P.	+0.08	(+1.0)
6	P.	−0.01	(+0.9)
Mar. 2	Ep.	+0.01	+0.3
26	P.	−0.02	−0.3
Apr. 4	Ep.	−0.05	−0.3
5	P.	−0.02	+0.1
9	P.	−0.04	−0.3
14	P.	−0.02	+0.1
Nov. 2	P.	−0.02	+0.6
3	M.	0.00	...
4	Ep.	−0.01	+0.3
8	Ep.	+0.04	+0.8
19	P.	+0.03	−0.6
26	Ep.	+0.02	+1.2
28	P.	+0.03	+1.8
Dec. 24	P.	+0.07	−0.2
1913			
Jan. 3	P.	+0.01	+0.8
9	Ep.	0.00	...
14	Ep.	−0.03	−0.3
21	P.	0.00	+0.8
22	M.	−0.06	+0.1
Feb. 19	Ep.	0.00	+0.2
Mar. 16	M.	−0.04	+1.2
17	M.	−0.02	+0.4
18	P.	−0.03	+0.2
28	P.	+0.01	−0.1
29	Ep.	+0.01	+0.4
Apr. 1	P.	+0.04	+0.5
Mean................		−0.001	+0.32

η Cancri

$\alpha = 8^h\ 26^m\ 55^s.600$

$\delta = +20^\circ\ 46'\ 50''.79$

1912		s	″
Feb. 2	P.	−0.03	(+0.8)
6	P.	+0.02	(+1.8)
27	P.	0.00	+1.6
28	Ep.	−0.01	+1.1
Mar. 13	Ep.	−0.06	+0.9
26	P.	+0.04	+1.2
Apr. 4	Ep.	−0.07	+0.2
5	P.	+0.02	+0.3
9	P.	+0.01	+0.3
14	P.	−0.07	+0.5
Mean................		−0.015	+0.76

δ Cancri

$\alpha = 8^h\ 39^m\ 0^s.197$

$\delta = +18^\circ\ 31'\ 16''.08$

1912		s	″
Feb. 27	P.	−0.02	+1.5
28	Ep.	+0.04	+1.1
Mar. 13	Ep.	+0.03	+0.8
Apr. 5	P.	+0.07	+0.6
14	P.	−0.01	+1.2
Mean................		+0.022	+1.04

ε Hydræ

$\alpha = 8^h\ 41^m\ 28^s.715$

$\delta = +6^\circ\ 47'\ 8''.39$

1912		s	″
Feb. 2	P.	0.00	(+1.5)
28	Ep.	+0.03	...
Apr. 4	Ep.	−0.05	...
5	P.	−0.04	−0.1
14	P.	−0.01	−0.6
Nov. 2	P.	+0.01	+0.6
4	Ep.	+0.05	+0.2
7	P.	0.00	−0.4
8	Ep.	+0.03	−0.4
11	P.	+0.02	+0.2
19	P.	+0.01	−0.2
28	P.	−0.02	+0.6
Dec. 24	P.	+0.02	−0.5
1913			
Jan. 3	P.	0.00	+0.8
9	Ep.	+0.05	+0.1
14	Ep.	+0.04	−0.1
Feb. 19	Ep.	−0.01	−0.3
Mar. 17	M.	+0.01	+0.2
29	Ep.	+0.06	−0.7
Mean................		+0.011	−0.04

ζ Hydræ

$\alpha = 8^h\ 50^m\ 6^s.453$

$\delta = +6^\circ\ 19'\ 34''.62$

1912		s	″
Feb. 28	Ep.	−0.03	+0.8
Mar. 13	Ep.	−0.05	+0.1
18	M.	−0.05	+0.2
Apr. 4	Ep.	−0.02	0.0
5	P.	+0.03	−0.2
9	P.	+0.02	+0.4
14	P.	−0.04	+0.1
Nov. 2	P.	−0.01	+0.8
4	Ep.	+0.02	+0.7
7	P.	+0.02	+0.1
8	Ep.	−0.01	+0.7
11	P.	−0.04	+0.6
19	P.	0.00	−0.8
20	M.	+0.03	+0.9
Dec. 24	P.	+0.07	+0.2
28	P.	−0.02	+1.3

1913		s	″
Jan. 3	P.	+0.02	+1.2
9	Ep.	−0.01	+0.5
14	Ep.	−0.02	+0.8
Feb. 19	Ep.	0.00	+0.3
Mar. 17	M.	−0.03	+1.0
28	P.	−0.05	+0.3
29	Ep.	−0.01	+0.4
Apr. 1	P.	−0.01	0.0
Mean................		−0.008	+0.43

α Cancri

$\alpha = 8^h\ 53^m\ 1^s.175$

$\delta = +12^\circ\ 14'\ 41''.15$

1912		s	″
Feb. 2	P.	+0.01	(+1.4)
Mar. 13	Ep.	−0.02	+1.9
Apr. 4	Ep.	−0.04	+0.2
9	P.	+0.01	+0.2
14	P.	+0.07	+1.0
Mean................		+0.006	+0.82

κ Cancri

$\alpha = 9^h\ 2^m\ 19^s.903$

$\delta = +11^\circ\ 4'\ 14''.43$

1912		s	″
Feb. 2	P.	−0.03	(+1.7)
28	Ep.	+0.03	+1.1
Mar. 18	M.	+0.01	+0.8
Apr. 9	P.	0.00	+0.5
14	P.	+0.09	+0.6
20	Ep.	+0.01	+0.7
Mean................		+0.018	+0.74

θ Hydræ

$\alpha = 9^h\ 9^m\ 9^s.865$

$\delta = +2^\circ\ 44'\ 6''.72$

1912		s	″
Feb. 2	P.	+0.01	(+0.7)
Mar. 18	M.	+0.01	+0.8
Apr. 8	Ep.	−0.04	+0.9
14	P.	+0.01	+0.2
20	Ep.	0.00	+0.8
23	P.	−0.01	+0.3
Nov. 2	P.	−0.01	+1.2
4	Ep.	+0.03	+0.5
7	P.	+0.02	0.0
8	Ep.	0.00	+1.3
11	P.	−0.02	+0.7
18	Ep.	−0.02	+0.5
19	P.	−0.05	+0.3
20	M.	+0.06	+1.3
Dec. 2	P.	−0.02	0.0
1913			
Jan. 3	P.	+0.03	+0.7
9	Ep.	+0.01	+0.3
14	Ep.	+0.01	+0.7
Mar. 28	P.	−0.02	+0.3
29	Ep.	0.00	+0.4
Apr. 1	P.	−0.01	+0.9
Mean................		0.000	+0.60

40 Lyncis

$\alpha = 9^h\ 14^m\ 57^s.668$

$\delta = +34^\circ\ 48'\ 56''.04$

1912		s	″
Apr. 8	Ep.	+0.02	+0.6
Nov. 4	Ep.	+0.04	+0.9
7	P.	+0.02	0.0
8	Ep.	+0.10	+0.8
11	P.	+0.01	+0.8
18	Ep.	+0.01	+0.4
19	P.	−0.01	+0.2
20	M.	+0.01	+0.8
Dec. 2	P.	+0.03	+0.5
1913		s	″
Jan. 9	Ep.	+0.04	+0.2
14	Ep.	+0.06	+0.8
Mean................		+0.030	+0.55

α Hydræ

$\alpha = 9^h\ 22^m\ 40^s.409$

$\delta = -8^\circ\ 13'\ 29''.59$

1912		s	″
Apr. 8	Ep.	+0.05	+0.5
20	Ep.	−0.01	+0.5
23	P.	+0.05	+0.9
Nov. 7	P.	+0.02	+0.5
11	P.	+0.06	+0.4
18	Ep.	0.00	+0.6
19	P.	−0.01	+0.3
22	Ep.	+0.06	+0.2
30	P.	+0.05	+0.3
Dec. 2	P.	+0.08	+1.2
28	P.	+0.02	+0.9
1913			
Jan. 9	Ep.	+0.01	+0.4
14	Ep.	+0.04	+0.8
Mean................		+0.032	+0.58

1 H. Draconis

$\alpha = 9^h\ 22^m\ 51^s.181$

$\delta = +81^\circ\ 46'\ 6''.56$

1912		s	″
Apr. 25	M.	[−0.12]	[+0.4]
27	Ep.	[−0.05]	[+0.7]
May 1	Ep.	[−0.17]	[+0.6]
2	M.	[−0.46]	[+0.8]
3	P.	[−0.03]	[+0.4]
4	Ep.	[−0.33]	[+0.4]
10	P.	[+0.03]	[+0.6]
22	Ep.	[−0.44]	[+0.4]
Nov. 4	Ep.	+0.11	+0.7
8	Ep.	+0.16	0.0
20	M.	+0.68	+0.2
29	Ep.	−0.06	+0.7
Mean................		+0.222	+0.40
		[−0.196]	[+0.54]

1 H. Draconis s. p.

$\alpha = 9^h\ 22^m\ 51^s.181$

$\delta = +81^\circ\ 46'\ 6''.56$

1912		s	″
May 17	Ep.	[−0.41]	[−0.9]
19	M.	[−0.08]	[−0.5]
21	Ep.	[−0.39]	[−0.8]
26	M.	[+0.14]	[−0.2]
27	P.	[+0.01]	[−0.7]
June 7	Ep.	[+0.18]	[−0.8]
8	P.	[+0.16]	[−0.4]
11	Ep.	[+0.16]	[−0.5]
Oct. 30	Ep.	−0.13	−0.3
Nov. 5	Ep.	−0.06	−0.9
11	M.	+0.32	−0.4
16	Ep.	−0.21	−0.5
Mean................		−0.020	−0.52
		[−0.029]	[−0.60]

ο Leonis

$\alpha = 9^h\ 35^m\ 48^s.758$

$\delta = +10^\circ\ 20'\ 50''.34$

1912		s	″
Mar. 1	P.	+0.05	+0.1
18	M.	−0.03	+0.1
Apr. 8	Ep.	−0.02	+1.1
23	P.	−0.01	+0.1
25	M.	0.00	+0.2
May 10	P.	[0.00]	[−0.2]
Mean................		−0.002	+0.32

ε Leonis

$\alpha = 9^h\ 40^m\ 10^s.544$

$\delta = +24^\circ\ 14'\ 4''.83$

1912		s	″
Mar. 1	P.	+0.02	+0.1
18	M.	0.00	+1.3
Apr. 6	Ep.	0.00	+0.8
8	Ep.	0.00	+1.4
23	P.	+0.07	+0.7
25	M.	+0.07	+1.1
Nov. 7	P.	+0.05	+0.8
11	P.	+0.03	+0.5
20	M.	+0.07	+0.3
22	Ep.	+0.02	+0.4
30	P.	+0.06	+0.6
Dec. 2	P.	+0.04	+1.3
28	P.	+0.04	+1.0
1913			
Mar. 28	P.	−0.02	+0.3
Apr. 1	P.	+0.02	+0.5
17	P.	+0.14	+0.6
Mean................		+0.038	+0.73

μ Leonis

$\alpha = 9^h\ 47^m\ 4^s.433$

$\delta = +26^\circ\ 28'\ 40''.22$

1912		s	″
Mar. 18	M.	+0.06	+0.1
29	P.	+0.10	−0.1
Apr. 6	Ep.	+0.05	+0.2
8	Ep.	+0.05	+0.6
23	P.	+0.10	+0.3
25	M.	+0.10	+1.4
Mean................		+0.077	+0.42

π Leonis

$\alpha = 9^h\ 54^m\ 55^s.748$

$\delta = +8^\circ\ 31'\ 26''.45$

1912		s	″
Mar. 1	P.	+0.03	+0.4
29	P.	+0.06	+0.7
Apr. 6	Ep.	+0.02	+0.8
8	Ep.	+0.01	+1.4
23	P.	+0.07	+0.8
25	M.	−0.01	+0.7
May 2	M.	+0.01	+0.4
Mean................		+0.027	+0.74

α Leonis

$\alpha = 10^h\ 3^m\ 2^s.628$

$\delta = +12^\circ\ 27'\ 21''.70$

1912		s	″
Mar. 1	P.	+0.04	+0.2
29	P.	+0.02	+0.7
Apr. 6	Ep.	+0.06	+0.8
20	Ep.	+0.05	+0.4
May 2	M.	+0.03	+0.8
3	P.	+0.02	+0.9
Nov. 18	Ep.	+0.04	+1.0
20	M.	+0.08	+0.5
22	Ep.	+0.06	+0.5
29	Ep.	+0.05	+0.6
30	P.	+0.04	+0.4
Dec. 2	P.	+0.08	+1.1
1913			
Apr. 17	P.	+0.02	+0.9
Mean................		+0.045	+0.68

ζ Leonis

$\alpha = 10^h\ 11^m\ 7^s.819$

$\delta = +23^\circ\ 54'\ 56''.55$

1912		s	″
Mar. 1	P.	+0.01	−0.4
2	Ep.	+0.02	0.0
29	P.	+0.06	+0.1

1912		s	″
Apr. 6	Ep.	+0.01	+0.7
11	P.	+0.07	−0.1
20	Ep.	+0.04	+0.5
25	M.	−0.04	+0.9
May 1	Ep.	+0.03	+0.3
2	M.	−0.03	+0.9
3	P.	+0.04	+0.3
4	Ep.	−0.03	...
Nov. 18	Ep.	+0.02	+0.7
20	M.	+0.02	+0.5
22	Ep.	0.00	+0.9
29	Ep.	−0.02	+0.5
30	P.	+0.01	+0.8
Dec. 2	P.	−0.07	+1.0
28	P.	0 00	+0.7
Apr. 17	P.	+0.02	+0.9
Mean................		+0.008	+0.51

μ Hydræ

$\alpha = 10^h\ 21^m\ 15^s.122$
$\delta = -16°\ 19'\ 33''.40$

1912		s	″
Mar. 2	Ep.	−0.02	+0.3
Apr. 6	Ep.	−0.04	+0.4
11	P.	+0.01	−0.2
20	Ep.	+0.02	+0.1
25	M.	+0.05	+0.1
May 1	Ep.	+0.02	+0.4
2	M.	0.00	+0.3
3	P.	+0.03	−0.3
4	Ep.	+0.02	+0.4
Mean................		+0.010	+0.17

ρ Leonis

$\alpha = 10^h\ 27^m\ 32^s.798$
$\delta = +\ 9°\ 49'\ 16''.64$

1912		s	″
Mar. 2	Ep.	+0.01	−0.2
Apr. 11	P.	+0.02	−0.1
May 1	Ep.	+0.02	−0.1
2	M.	−0.01	+0.1
3	P.	+0.03	+0.2
4	Ep.	−0.05	+0.4
9	M.	+0.01	+0.4
Nov. 18	Ep.	−0.02	+0.7
22	Ep.	0.00	+0.5
29	Ep.	−0.03	+0.1
30	P.	+0.01	+0.7
Dec. 8	M.	−0.02	0.0
9	P.	−0.03	−0.5
1913			
Apr. 17	P.	0.00	+1.1
Mean................		−0.004	+0.24

l Leonis

$\alpha = 10^h\ 44^m\ 0^s.120$
$\delta = +11°\ 4'\ 27''.25$

1912		s	″
Feb. 4	P.	+0.04	(+1.9)
Mar. 29	P.	0.00	+0.6
Apr. 11	P.	+0.02	−0.1
May 4	Ep.	−0.02	+0.7
9	M.	−0.03	+1.7
Mean................		+0.002	+0.72

ν Hydræ

$\alpha = 10^h\ 44^m\ 41^s.485$
$\delta = -15°\ 40'\ 9''.77$

1912		s	″
Nov. 22	Ep.	+0.07	+0.2
29	Ep.	+0.04	−0.4
Dec. 8	M.	+0.09	−0.1
9	P.	+0.02	−0.3
11	M.	+0.04	+1.0
12	P.	+0.07	−0.9
28	P.	+0.07	−0.7
Mean................		+0.057	−0.17

46 Leonis Minoris

$\alpha = 10^h\ 47^m\ 43^s.357$
$\delta = +34°\ 45'\ 11''.22$

1912		s	″
May 4	Ep.	−0.02	+0.9

χ Leonis

$\alpha = 10^h\ 59^m\ 51^s.279$
$\delta = +\ 7°\ 52'\ 35''.86$

1912		s	″
Feb. 4	P.	−0.01	(−0.2)
Mar. 2	Ep.	+0.03	−0.4
29	P.	+0.06	−0.2
Apr. 11	P.	+0.05	−0.4
27	Ep.	+0.03	−0.2
May 4	Ep.	+0.01	+0.9
9	M.	+0.05	+0.5
Mean................		+0.031	+0.03

δ Leonis

$\alpha = 11^h\ 8^m\ 47^s.626$
$\delta = +21°\ 4'\ 16''.08$

1912		s	″
Feb. 4	P.	−0.01	(+1.1)
Mar. 2	Ep.	+0.02	+0.2
29	P.	+0.03	+0.5
Apr. 11	P.	+0.04	+0.5
27	Ep.	−0.02	0.0
May 4	Ep.	−0.01	+1.1
9	M.	+0.01	+0.8
Nov. 29	Ep.	0.00	+0.7
30	P.	0.00	+0.5
Dec. 8	M.	−0.01	+0.4
9	P.	+0.02	−0.5
11	M.	+0.06	+0.7
12	P.	−0.03	+0.3
1913			
Mar. 20	P.	+0.01	−0.1
Mean................		+0.008	+0.39

δ Crateris

$\alpha = 11^h\ 14^m\ 20^s.318$
$\delta = -14°\ 14'\ 11''.94$

1912		s	″
Mar. 31	P.	+0.03	+0.4
Apr. 11	P.	+0.05	+0.5
27	Ep.	+0.03	+0.3
May 9	M.	+0.10	+1.0
18	Ep.	+0.06	+1.0
Mean................		+0.054	+0.64

υ Leonis

$\alpha = 11^h\ 31^m\ 49^s.724$
$\delta = -\ 0°\ 16'\ 17''.23$

1912		s	″
Feb. 4	P.	+0.05	(+1.0)
5	P.	0.00	(−0.2)
Mar. 31	P.	−0.03	−0.2
Apr. 27	Ep.	+0.05	−0.1
May 9	M.	0.00	+0.4
18	Ep.	+0.04	+0.3
20	M.	+0.02	+0.5
21	P.	−0.02	−0.2
Mean................		+0.014	+0.12

β Leonis

$\alpha = 11^h\ 43^m\ 57^s.156$
$\delta = +15°\ 7'\ 50''.44$

1912		s	″
Feb. 4	P.	0.00	(+0.1)
5	P.	+0.03	(0.0)
Mar. 31	P.	−0.01	0.0
Apr. 27	Ep.	+0.02	−0.2
May 18	Ep.	−0.01	+0.7
20	M.	−0.01	+0.2
21	P.	−0.02	−0.4
Dec. 9	P.	+0.02	−0.2
11	M.	+0.01	...
12	P.	+0.01	+0.6
1913			
Apr. 18	Ep.	+0.01	+0.2
Mean................		+0.005	+0.11

β Virginis

$\alpha = 11^h\ 45^m\ 29^s.819$
$\delta = +\ 2°\ 19'\ 38''.44$

1912		s	″
Mar. 31	P.	+0.06	−0.1
May 3	P.	+0.03	+0.5
21	P.	+0.03	+0.1
Dec. 8	M.	+0.08	+1.6
9	P.	+0.01	0.0
11	M.	+0.03	−0.2
12	P.	+0.05	+0.9
30	P.	+0.05	+0.1
1913			
Feb. 22	P.	−0.05	+0.3
Mar. 20	P.	−0.02	+0.1
22	P.	+0.07	+0.8
Apr. 18	Ep.	+0.03	0.0
Mean................		+0.031	+0.34

ο Virginis

$\alpha = 12^h\ 0^m\ 6^s.747$
$\delta = +\ 9°\ 17'\ 18''.59$

1912		s	″
Feb. 4	P.	+0.04	(+1.4)
5	P.	+0.01	(+0.3)
Mar. 31	P.	+0.03	+0.7
Apr. 27	Ep.	+0.02	+0.6
May 1	Ep.	....	+1.1
3	P.	+0.05	+0.7
10	P.	+0.01	+0.4
18	Ep.	+0.01	+1.0
20	M.	−0.03	+0.5
21	P.	+0.01	+0.7
22	Ep.	+0.01	+1.1
24	P.	−0.02	+0.8
Dec. 8	M.	+0.01	+1.3
9	P.	+0.03	+0.7
11	M.	−0.05	+0.9
12	P.	−0.05	+1.4
27	Ep.	+0.05	+0.4
30	P.	−0.01	+0.4
1913			
Jan. 1	Ep.	+0.08	+0.5
25	P.	+0.04	+0.8
Feb. 22	P.	−0.02	+0.8
Mar. 20	P.	+0.05	+0.3
22	P.	+0.03	+1.1
Apr. 17	P.	−0.02	+0.7
18	Ep.	+0.01	+0.4
Mean................		+0.012	+0.75

η Virginis

$\alpha = 12^h\ 14^m\ 47^s.346$
$\delta = -\ 0°\ 6'\ 40''.16$

1912		s	″
Feb. 5	P.	+0.03	(+0.7)
Mar. 31	P.	+0.04	+0.1
Apr. 27	Ep.	−0.01	+1.2

1912		s	″
May 1	Ep.	−0.01	+0.8
3	P.	−0.05	+1.7
18	Ep.	+0.02	+1.1
20	M.	−0.03	+0.7
21	P.	−0.02	+0.4
22	Ep.	+0.02	+1.4
24	P.	−0.02	+0.4
Dec. 11	M.	+0.04	+0.3
12	P.	0.00	+1.5
27	Ep.	+0.03	+0.5
30	P.	−0.01	+0.5
1913			
Jan. 1	Ep.	−0.02	+0.4
8	M.	−0.03	+0.6
25	P.	−0.01	+0.4
Feb. 22	P.	0.00	+1.2
Mar. 20	P.	+0.02	0.0
21	Ep.	0.00	+0.7
22	P.	−0.05	+0.8
Apr. 17	P.	−0.03	+0.8
Mean................		−0.004	+0.74

δ Corvi

$\alpha = 12^h\ 24^m\ 41^s.185$

$\delta = -15°\ 57'\ 33''.06$

1912		s	″
Mar. 31	P.	+0.02	−0.1
May 1	Ep.	+0.01	+1.4
10	P.	−0.02	+0.2
18	Ep.	+0.02	+1.3
20	M.	+0.01	+0.5
21	P.	+0.02	+0.5
22	Ep.	0.00	+1.8
24	P.	−0.03	+0.8
31	P.	−0.03	+1.3
Mean................		0.000	+0.86

β Corvi

$\alpha = 12^h\ 29^m\ 7^s.942$

$\delta = -22°\ 50'\ 38''.17$

1912		s	″
May 1	Ep.	+0.11	+0.5
22	Ep.	+0.05	+1.7
Mean................		+0.080	+1.10

δ Virginis

$\alpha = 12^h\ 50^m\ 33^s.552$

$\delta = +3°\ 56'\ 26''.43$

1912		s	″
Feb. 5	P.	+0.06	...
6	Ep.	+0.07	(+0.6)
May 10	P.	−0.01	+0.5
22	Ep.	+0.03	+1.3
24	P.	+0.01	+0.7
25	Ep.	+0.03	+0.8
27	M.	+0.01	+1.1
31	P.	0.00	+1.3
June 1	Ep.	+0.01	+1.1
3	P.	+0.03	+0.7
Dec. 27	Ep.	+0.07	+0.6
30	P.	+0.01	+0.9
1913			
Jan. 1	Ep.	+0.04	+0.7
8	M.	+0.05	+0.7
13	P.	+0.05	+0.5
25	P.	+0.03	+0.6
Feb. 22	P.	+0.06	+1.0
Mar. 20	P.	+0.01	−0.2
21	Ep.	+0.03	+0.3
22	P.	+0.02	+1.3
Apr. 18	Ep.	+0.04	0.0
Mean................		+0.031	+0.73

ε Virginis

$\alpha = 12^h\ 57^m\ 11^s.705$

$\delta = +11°\ 29'\ 47''.97$

1912		s	″
May 10	P.	+0.01	+0.9
22	Ep.	+0.05	+1.2
24	P.	+0.03	+1.0
25	Ep.	+0.02	+1.1
26	P.	−0.01	+1.3
27	M.	+0.05	+1.5
31	P.	0.00	+1.2
June 1	Ep.	+0.05	+0.8
3	P.	0.00	+1.1
7	P.	−0.05	+1.3
Dec. 27	Ep.	+0.05	+1.2
30	P.	+0.02	+0.9
1913			
Jan. 1	Ep.	+0.03	+0.8
8	M.	+0.04	+1.3
13	P.	+0.03	+0.9
Feb. 22	P.	+0.06	(−1.3)
Mar. 20	P.	+0.04	−0.2
21	Ep.	+0.01	+1.3
22	P.	+0.02	+1.5
Apr. 18	Ep.	+0.04	+0.4
Mean................		+0.024	+1.03

θ Virginis

$\alpha = 13^h\ 4^m\ 46^s.253$

$\delta = -5°\ 0'\ 19''.00$

1912		s	″
May 24	P.	−0.01	+0.5
25	Ep.	+0.03	+0.6
26	P.	−0.03	+0.2
27	M.	+0.02	+1.0
31	P.	−0.02	+1.3
June 1	Ep.	+0.01	+0.6
3	P.	+0.03	+0.3
7	P.	+0.07	+0.6
Mean................		+0.012	+0.64

43 Comæ Berenices

$\alpha = 13^h\ 7^m\ 11^s.729$

$\delta = +28°\ 23'\ 17''.07$

1912		s	″
Feb. 6	Ep.	−0.08	(+0.1)
7	M.	−0.03	(+0.6)
May 10	P.	−0.04	+0.6
25	Ep.	−0.01	+0.7
31	P.	−0.03	+1.3
June 3	P.	−0.02	+0.6
7	P.	−0.03	+0.9
Mean................		−0.034	+0.82

α Virginis

$\alpha = 13^h\ 19^m\ 55^s.397$

$\delta = -10°\ 38'\ 22''.02$

1912		s	″
Feb. 4	P.	0.00	(−0.1)
5	P.	+0.02	(−0.1)
6	Ep.	+0.02	(+0.3)
7	M.	+0.03	(0.0)
8	P.	−0.01	(+0.1)
28	M.	+0.03	+0.4
Mar. 1	Ep.	0.00	+1.2
7	P.	+0.11	+0.6
9	P.	+0.03	+0.5
10	M.	+0.09	+1.5
Apr. 2	Ep.	+0.05	+0.8
May 10	P.	+0.05	+0.2
25	Ep.	+0.05	+0.3
26	P.	+0.04	+0.9
27	M.	+0.02	+0.6
31	P.	+0.01	+0.6
1912		s	″
June 3	P.	+0.07	0.0
10	M.	+0.05	+0.4
11	P.	+0.05	+0.6
13	M.	+0.07	+0.9
17	P.	[−0.01]	[+0.1]
21	P.	[0.00]	[−0.6]
28	P.	[+0.02]	[+0.8]
July 2	M.	[−0.05]	[+0.5]
5	P.	[0.00]	[0.0]
6	M.	[+0.04]	[+0.4]
8	M.	[0.00]	[0.0]
9	P.	[0.00]	[+0.5]
13	P.	[0.00]	[−0.3]
19	Ep.	[−0.07]	[0.0]
27	Ep.	[−0.01]	[+0.1]
Aug. 16	P.	[+0.04]	[−0.7]
24	Ep.	[−0.10]	[0.0]
30	M.	....	[+0.6]
Sept. 6	Ep.	[−0.04]	[−1.7]
10	M.	[−0.01]	[−1.1]
11	Ep.	....	[−1.6]
13	Ep.	[−0.06]	[−0.9]
21	Ep.	[−0.10]	[−0.4]
28	Ep.	[−0.09]	[+0.6]
Oct. 28	P.	[0.00]	[+0.8]
Nov. 10	M.	....	[−0.3]
11	P.	[+0.08]	[−1.1]
15	Ep.	[−0.04]	[−1.4]
18	Ep.	[0.00]	[+0.4]
20	M.	[+0.03]	[+0.3]
22	Ep.	[−0.05]	[+0.2]
24	M.	[+0.01]	[+0.5]
25	P.	[−0.01]	[+0.2]
28	P.	[−0.03]	[−0.7]
29	Ep.	[−0.06]	[−0.3]
Dec. 2	P.	[+0.02]	[−0.8]
8	M.	[+0.02]	[−0.3]
9	P.	[−0.01]	[+0.2]
12	P.	[−0.03]	[+0.9]
13	Ep.	[−0.06]	[−0.9]
16	P.	[−0.05]	[−0.5]
27	Ep.	−0.04	−0.1
30	P.	+0.08	+0.8
1913			
Jan. 1	Ep.	+0.01	0.0
8	M.	−0.01	+0.7
13	P.	+0.05	+0.7
21	Ep.	+0.07	−0.7
25	P.	+0.03	−0.3
27	P.	+0.03	+0.4
29	M.	+0.10	0.0
30	P.	+0.10	−0.7
31	M.	+0.05	+0.6
Feb. 4	P.	+0.06	−1.0
6	P.	+0.03	−0.1
9	M.	+0.03	+1.1
13	P.	+0.07	−0.1
14	Ep.	+0.04	+0.6
17	P.	+0.04	+0.7
18	Ep.	+0.07	+0.2
22	P.	+0.11	+0.1
27	P.	+0.04	+0.3
Mar. 2	M	+0.06	+0.5
6	P.	+0.03	+0.7
11	Ep.	−0.02	+0.7
17	P.	+0.01	+0.4
20	P.	+0.03	−0.7
21	Ep.	+0.01	−0.6
22	P.	+0.06	+0.8
24	P.	+0.03	+0.3
27	P.	+0.12	−0.2
28	Ep.	+0.09	+0.1
29	P.	−0.03	0.0
30	M.	+0.02	−0.3
Mean................		+0.041 [−0.018]	+0.31 [−0.18]

ζ Virginis

$\alpha = 13^h\ 29^m\ 35^s.572$
$\delta = -0^\circ\ 5'\ 4''.12$

1912		s	″
Mar. 7	P.	+0.09	+0.6
Apr. 2	Ep.	+0.08	+1.4
May 25	Ep.	+0.05	+0.7
26	P.	+0.01	+0.9
27	M.	+0.07	+0.4
June 3	P.	+0.05	+0.3
7	P.	+0.01	0.0
1913			
Jan. 30	P.	+0.09	−0.5
Mean................		+0.056	+0.48

m Virginis

$\alpha = 13^h\ 36^m\ 21^s.654$
$\delta = -8^\circ\ 11'\ 53''.88$

1912		s	″
Feb. 5	P.	+0.04	(+0.3)
7	M.	+0.05	(0.0)
Mar. 7	P.	+0.05	+1.1
Apr. 2	Ep.	+0.04	+2.1
May 26	P.	+0.06	+0.4
27	M.	+0.03	+1.0
June 1	Ep.	+0.06	+0.4
7	P.	−0.02	+1.1
11	P.	+0.03	+1.2
13	M.	+0.02	+0.7
Mean................		+0.036	+1.00

τ Boötis

$\alpha = 13^h\ 42^m\ 30^s.185$
$\delta = +17^\circ\ 57'\ 18''.67$

1912		s	″
Feb. 7	M.	0.00	(+0.7)
Mar. 7	P.	+0.05	+1.4
May 26	P.	+0.06	+1.2
June 1	Ep.	+0.02	+1.1
7	P.	−0.02	+0.7
11	P.	−0.01	+1.4
13	M.	−0.02	+1.2
Mean................		+0.011	+1.17

η Boötis

$\alpha = 13^h\ 49^m\ 55^s.346$
$\delta = +18^\circ\ 53'\ 51''.50$

1912		s	″
Mar. 7	P.	+0.04	+1.0
Apr. 1	P.	−0.04	+0.2
June 1	Ep.	0.00	+0.6
11	P.	−0.01	+1.1
13	M.	−0.03	+0.6
17	P.	−0.01	+1.0
1913			
Jan. 1	Ep.	0.00	+0.5
8	M.	+0.06	+0.3
13	P.	+0.01	+1.2
21	Ep.	+0.03	+0.1
27	P.	+0.01	+1.1
29	M.	−0.02	+0.5
31	M.	+0.02	+0.7
Feb. 6	P.	0.00	−0.1
9	M.	0.00	+0.5
13	P.	+0.06	+0.7
17	P.	+0.03	+1.0
Mar. 2	M.	−0.05	−0.5
11	Ep.	+0.05	+1.0
21	Ep.	+0.03	+0.2
24	P.	+0.03	+1.2
28	Ep.	+0.04	+0.9
30	M.	+0.01	+0.4
Mean................		+0.011	+0.62

τ Virginis

$\alpha = 13^h\ 56^m\ 33^s.416$
$\delta = +2^\circ\ 1'\ 42''.03$

1912		s	″
Feb. 7	M.	+0.04	(+0.4)
8	P.	+0.01	(0.0)
Apr. 1	P.	−0.03	−0.6
2	Ep.	+0.01	+0.8
June 13	M.	0.00	+0.8
17	P.	+0.02	0.0
20	M.	−0.02	+0.4
21	P.	−0.02	−0.3
Mean................		+0.001	+0.18

κ Virginis

$\alpha = 14^h\ 7^m\ 33^s.630$
$\delta = -9^\circ\ 48'\ 28''.20$

1912		s	″
Feb. 7	M.	+0.01	(+0.3)
8	P.	−0.02	(+1.0)
Mar. 10	M.	−0.01	+0.6
Apr. 2	Ep.	0.00	+1.6
June 10	M.	0.00	+0.5
13	M.	−0.04	+0.8
17	P.	+0.03	+0.8
20	M.	+0.01	+1.1
21	P.	+0.01	+0.2
Mean................		−0.001	+0.80

α Boötis

$\alpha = 14^h\ 11^m\ 4^s.999$
$\delta = +19^\circ\ 41'\ 44''.86$

1912		s	″
Feb. 7	M.	+0.04	(+0.8)
8	P.	+0.06	(+1.3)
Mar. 10	M.	+0.04	+0.5
Apr. 1	P.	+0.09	+0.4
2	Ep.	+0.02	+2.0
June 10	M.	−0.01	+1.1
17	P.	+0.03	+0.8
20	M.	+0.04	+1.0
21	P.	+0.04	+0.6
1913			
Jan. 13	P.	+0.11	+0.9
21	Ep.	+0.06	+0.5
27	P.	+0.06	+1.1
29	M.	+0.07	+1.1
30	P.	+0.12	+0.1
31	M.	+0.01	+0.9
Feb. 6	P.	+0.02	+0.3
9	M.	+0.08	+1.1
14	Ep.	+0.07	+0.8
17	P.	+0.04	+1.3
Mar. 2	M.	+0.05	+0.1
11	Ep.	+0.02	+1.0
21	Ep.	+0.07	0.0
24	P.	+0.03	+1.5
30	M.	+0.08	+0.5
Mean................		+0.052	+0.80

λ Boötis

$\alpha = 14^h\ 12^m\ 34^s.773$
$\delta = +46^\circ\ 32'\ ..''...$

1912		s	″
June 13	M.	−0.12	...

θ Boötis

$\alpha = 14^h\ 21^m\ 47^s.275$
$\delta = +52^\circ\ 18'\ ..''...$

1912		s	″
June 10	M.	−0.09	...
13	M.	−0.08	...
Mean................		−0.085	...

ρ Boötis

$\alpha = 14^h\ 27^m\ 31^s.141$
$\delta = +30^\circ\ 48'\ 38''.55$

1912		s	″
Apr. 3	Ep.	0.00	+0.9
1913			
Jan. 13	P.	−0.04	+1.7
21	Ep.	0.00	0.0
27	P.	0.00	+0.7
29	M.	−0.02	+0.4
30	P.	+0.01	+0.3
31	M.	−0.02	+0.5
Feb. 6	P.	0.00	−0.2
9	M.	−0.07	+1.0
13	P.	+0.01	+0.2
14	Ep.	+0.04	−0.1
18	Ep.	−0.02	+0.3
Mar. 2	M.	−0.02	+1.0
6	P.	−0.04	+1.3
11	Ep.	+0.02	+0.9
17	P.	+0.06	+0.5
24	P.	+0.02	+1.4
28	Ep.	−0.01	+0.2
30	M.	−0.01	+0.7
Mean................		−0.005	+0.62

33 Boötis

$\alpha = 14^h\ 35^m\ 6^s.917$
$\delta = +44^\circ\ 50'\ ..''...$

1912		s	″
June 10	M.	−0.09	...

ε Boötis

$\alpha = 14^h\ 40^m\ 37^s.144$
$\delta = +27^\circ\ 29'\ 44''.64$

1912		s	″
Mar. 10	M.	....	+0.4
May 28	P.	+0.04	+1.2
June 10	M.	+0.05	+1.0
11	P.	−0.06	+1.0
17	P.	+0.01	+0.9
20	M.	−0.01	+0.5
21	P.	+0.01	+0.3
24	P.	+0.03	+0.9
28	P.	−0.01	+0.5
1913			
Jan. 21	Ep.	+0.04	+0.6
25	P.	+0.04	+0.5
27	P.	+0.02	+0.3
29	M.	+0.01	+1.2
30	P.	+0.07	+0.4
31	M.	+0.04	+1.2
Feb. 6	P.	+0.02	0.0
9	M.	+0.03	+1.5
14	Ep.	+0.07	+0.5
18	Ep.	+0.01	+0.7
Mar. 2	M.	+0.02	0.0
6	P.	+0.03	+1.6
17	P.	+0.09	+0.8
24	P.	+0.02	+1.2
28	Ep.	+0.06	+1.0
30	M.	−0.01	0.0
Mean................		+0.026	+0.73

α Libræ

$\alpha = 14^h\ 45^m\ 20^s.591$
$\delta = -15^\circ\ 37'\ 35''.48$

1912		s	″
Feb. 8	P.	+0.06	(−0.3)
Mar. 10	M.	....	+0.6
May 28	P.	+0.08	+0.1
June 10	M.	+0.02	+0.8
11	P.	+0.05	+0.7
17	P.	+0.09	−0.9
20	M.	+0.06	+0.3

1912		s	″
June 21	P.	+0.04	0.0
23	P.	0.00	...
24	P.	+0.04	+0.5
28	P.	+0.02	+0.5
1913			
Jan. 21	Ep.	+0.06	+0.3
25	P.	+0.04	+0.7
27	P.	+0.05	+0.7
29	M.	+0.01	+0.8
30	P.	+0.01	0.0
31	M.	+0.06	+0.8
Feb. 6	P.	+0.02	+0.5
9	M.	+0.04	+0.5
13	P.	+0.06	+0.2
14	Ep.	+0.08	+0.8
17	P.	+0.07	0.0
18	Ep.	+0.04	+0.5
27	P.	+0.04	+0.3
Mar. 2	M.	+0.09	−0.1
6	P.	+0.04	+1.5
11	Ep.	+0.07	+0.8
17	P.	+0.07	+0.6
24	P.	+0.06	+0.4
28	Ep.	+0.07	+0.6
Mean................		+0.050	+0.45

ψ Boötis

$\alpha = 15^h\ 0^m\ 9^s.475$
$\delta = +27^\circ\ 20'\ 14''.71$

1912		s	″
Mar. 10	M.	+0.01	+1.1
Apr. 1	P.	+0.04	+0.1
3	Ep.	−0.01	+1.1
4	P.	+0.07	+0.4
May 28	P.	+0.02	+0.5
June 10	M.	−0.01	+0.9
20	M.	+0.01	+1.0
21	P.	+0.01	+0.2
23	P.	0.00	+0.8
24	P.	+0.02	+0.7
28	P.	+0.01	+1.0
July 2	M.	−0.03	+0.8
3	P.	−0.04	+0.5
5	P.	+0.03	+0.5
6	M.	−0.08	+0.8
Mean................		+0.003	+0.69

57 B. Ursæ Minoris

$\alpha = 15^h\ 9^m\ 20^s.621$
$\delta = +87^\circ\ 37'\ 4''.44$

1912		s	″
June 11	P.	−1.07	−0.4
1913			
Jan. 25	P.	[−0.29]	[0.0]
29	M.	+0.14	−0.6
Feb. 9	M.	+0.95	−0.6
14	Ep.	+0.13	+0.2
17	P.	+0.13	−0.2
Mar. 11	Ep.	−0.59	−0.3
Mean................		−0.052	−0.32

57 B. Ursæ Minoris s. p.

$\alpha = 15^h\ 9^m\ 20^s.621$
$\delta = +87^\circ\ 37'\ 4''.44$

1912		s	″
Sept. 19	P.	−0.15	−0.2
1913			
Jan. 9	M.	−2.08	−0.1
13	M.	−0.57	+0.2
14	P.	−0.77	−0.4
15	Ep.	−0.11	−0.8
22	Ep.	+1.23	−0.6
Feb. 5	P.	−0.70	−0.3
Mean................		−0.450	−0.31

β Libræ

$\alpha = 15^h\ 11^m\ 37^s.401$
$\delta = -\ 9^\circ\ 0'\ 50''.68$

1912		s	″
Feb. 8	P.	+0.12	(+0.4)
Mar. 10	M.	0.00	+1.1
Apr. 1	P.	+0.01	−0.7
3	Ep.	+0.03	+1.9
4	P.	+0.07	+0.5
May 28	P.	+0.01	+0.6
June 5	Ep.	+0.05	+1.1
8	Ep.	+0.03	+1.0
10	M.	+0.01	+0.9
23	P.	+0.06	+0.4
24	P.	−0.01	+0.3
28	P.	+0.03	+0.3
July 2	M.	+0.06	+1.0
3	P.	+0.04	+0.5
5	P.	+0.02	+0.3
6	M.	+0.02	+1.0
8	M.	0.00	+0.7
9	P.	+0.05	+1.2
1913			
Feb. 13	P.	+0.09	+1.1
18	Ep.	+0.04	+0.6
24	P.	+0.02	+0.8
27	P.	+0.06	+0.8
Mar. 6	P.	+0.02	+1.7
17	P.	+0.05	+1.1
28	Ep.	+0.05	+0.8
Mean................		+0.037	+0.79

α Coronæ Borealis

$\alpha = 15^h\ 30^m\ 27^s.338$
$\delta = +27^\circ\ 3'\ 2''.74$

1912		s	″
Apr. 1	P.	+0.04	+0.2
3	Ep.	+0.06	+1.5
May 1	M.	+0.06	+0.5
28	P.	−0.03	+0.7
June 5	Ep.	+0.01	+0.7
8	Ep.	−0.03	+1.0
23	P.	+0.05	+0.3
24	P.	+0.04	+0.8
28	P.	+0.04	+0.9
July 2	M.	+0.04	+0.8
3	P.	+0.04	+0.7
5	P.	+0.02	+0.3
6	M.	+0.03	+1.1
8	M.	+0.06	+0.6
9	P.	+0.03	+1.1
11	P.	+0.02	+1.6
13	P.	+0.03	+0.7
1913			
Feb. 13	P.	+0.08	+0.8
18	Ep.	0.00	+0.7
24	P.	+0.04	+1.5
Mar. 6	P.	+0.04	−0.2
11	Ep.	+0.03	+1.1
17	P.	+0.02	+1.2
Mean................		+0.031	+0.81

α Serpentis

$\alpha = 15^h\ 39^m\ 29^s.619$
$\delta = +\ 6^\circ\ 44'\ 25''.06$

1912		s	″
Feb. 8	P.	+0.05	(−0.3)
Mar. 10	M.	+0.03	+0.5
Apr. 3	Ep.	+0.05	+1.5
May 1	M.	+0.03	+0.6
16	P.	−0.03	...
28	P.	+0.06	+0.2
June 5	Ep.	+0.06	+0.2
8	Ep.	0.00	+0.3
23	P.	+0.03	−0.2
24	P.	+0.04	+0.4
July 2	M.	+0.01	+0.5
3	P.	+0.04	+0.3
5	P.	+0.03	+0.1
6	M.	+0.06	+1.4
8	M.	+0.01	+0.8
9	P.	+0.06	+0.8
11	P.	+0.02	+0.9
13	P.	+0.01	+0.1
1913			
Feb. 14	Ep.	+0.07	+1.0
17	P.	+0.12	+0.8
24	P.	−0.02	+0.9
27	P.	+0.06	+0.5
Mean................		+0.036	+0.58

β Serpentis

$\alpha = 15^h\ 41^m\ 34^s.422$
$\delta = +15^\circ\ 44'\ 3''.99$

1912		s	″
Apr. 3	Ep.	−0.03	+1.3
4	P.	+0.02	+0.7
May 16	P.	−0.07	...
June 5	Ep.	+0.01	+0.4
8	Ep.	−0.04	+0.7
23	P.	−0.07	+0.5
July 2	M.	−0.13	+0.6
3	P.	−0.04	+0.2
5	P.	−0.09	+0.7
6	M.	−0.03	+0.7
9	P.	−0.02	+1.1
11	P.	−0.03	+1.4
13	P.	−0.02	+0.9
Mean................		−0.042	+0.77

ε Serpentis

$\alpha = 15^h\ 45^m\ 49^s.932$
$\delta = +\ 4^\circ\ 46'\ 44''.32$

1912		s	″
Apr. 4	P.	+0.10	+0.1
May 1	M.	+0.02	+0.2
16	P.	+0.13	...
July 2	M.	−0.01	−0.5
3	P.	+0.08	0.0
5	P.	+0.01	−0.2
6	M.	+0.02	−0.4
8	M.	+0.06	−0.3
9	P.	+0.04	+0.2
11	P.	+0.04	+0.5
13	P.	+0.07	−0.5
Mean................		+0.051	−0.09

δ Scorpii

$\alpha = 15^h\ 54^m\ 25^s.115$
$\delta = -22^\circ\ 20'\ 14''.17$

1913		s	″
Feb. 24	P.	0.00	+1.4
25	Ep.	+0.09	+0.3
27	P.	+0.10	+0.1
Mean................		+0.063	+0.60

β¹ Scorpii

$\alpha = 15^h\ 59^m\ 37^s.221$
$\delta = -19^\circ\ 31'\ 54''.64$

1912		s	″
May 13	P.	0.00	+0.9
1913			
Feb. 17	P.	+0.14	+0.9
24	P.	+0.07	+1.1
25	Ep.	+0.11	+0.1
Mean................		+0.080	+0.75

φ Herculis

$\alpha = 16^h\ 5^m\ 37^s.122$
$\delta = +45^\circ\ 11'\ ..''...$

1912		s	″
June 28	P.	+0.01	...
July 22	M.	0.00	...
Mean		+0.005	...

δ Ophiuchi

$\alpha = 16^h\ 9^m\ 6^s.220$
$\delta = -3^\circ\ 26'\ 14''.63$

1912		s	″
Mar. 9	P.	−0.02	+0.7
Apr. 4	P.	+0.10	+0.3
May 1	M.	+0.04	+0.5
13	P.	−0.01	+1.1
July 1	P.	0.00	+0.2
8	M.	0.00	+0.1
9	P.	+0.06	+0.6
13	P.	+0.04	+0.3
16	P.	+0.01	+0.6
22	M.	+0.04	+0.8
1913			
Feb. 24	P.	+0.08	+0.4
25	Ep.	+0.06	+0.2
27	P.	+0.03	+0.4
Mar. 27	P.	+0.01	0.0
Mean		+0.031	+0.44

ε Ophiuchi

$\alpha = 16^h\ 13^m\ 1^s.825$
$\delta = -4^\circ\ 26'\ 55''.25$

1912		s	″
Mar. 9	P.	+0.02	+1.1
May 1	M.	+0.04	+0.7
2	P.	+0.05	+0.5
3	Ep.	+0.06	+0.7
13	P.	+0.06	+0.7
16	P.	+0.04	...
June 5	Ep.	+0.03	...
July 1	P.	+0.03	+0.5
8	M.	+0.02	+0.1
11	P.	+0.09	+1.4
13	P.	+0.03	+0.2
16	P.	+0.05	+0.3
22	M.	+0.02	+0.9
Mean		+0.042	+0.65

τ Herculis

$\alpha = 16^h\ 16^m\ 44^s.109$
$\delta = +46^\circ\ 33'\ ..''..$

1912		s	″
June 28	P.	−0.03	...
July 22	M.	−0.03	...
Mean		−0.030	...

α Scorpii

$\alpha = 16^h\ 23^m\ 16^s.471$
$\delta = -26^\circ\ 12'\ 36''.75$

1912		s	″
Mar. 9	P.	+0.05	+1.3
22	Ep.	0.00	+0.6
May 1	M.	+0.13	+0.2
2	P.	+0.05	+0.2
3	Ep.	0.00	+0.1
13	P.	+0.13	+1.6
16	P.	+0.09	...
30	P.	+0.03	−0.3
31	Ep.	+0.11	+1.1
June 8	Ep.	−0.01	+0.6
July 1	P.	+0.01	+1.0
16	P.	+0.05	+0.3
1913		s	″
Feb. 25	Ep.	+0.03	+0.5
27	P.	+0.12	+0.1
Mar. 27	P.	+0.02	+0.8
Mean		+0.054	+0.58

β Herculis

$\alpha = 16^h\ 25^m\ 55^s.123$
$\delta = +21^\circ\ 42'\ 26''.11$

1912		s	″
Mar. 17	M.	+0.04	+0.5
May 2	P.	+0.05	+1.7
13	P.	+0.12	+1.4
30	P.	+0.09	+1.6
June 8	Ep.	+0.06	+1.0
July 16	P.	+0.05	+1.0
22	M.	+0.09	+1.1
1913			
Feb. 25	Ep.	+0.06	+0.9
Mar. 27	P.	+0.01	+0.3
31	P.	+0.06	+0.3
Mean		+0.063	+0.98

σ Herculis

$\alpha = 16^h\ 30^m\ 52^s.744$
$\delta = +42^\circ\ 38'\ ..''..$

1912		s	″
June 23	P.	−0.02	...

ζ Ophiuchi

$\alpha = 16^h\ 31^m\ 39^s.099$
$\delta = -10^\circ\ 21'\ 52''.28$

1912		s	″
Mar. 9	P.	+0.13	+0.5
17	M.	+0.02	+0.2
22	Ep.	+0.02	+0.9
Apr. 19	Ep.	....	+0.5
May 3	Ep.	+0.02	+0.9
16	P.	+0.04	...
30	P.	+0.05	+1.1
31	Ep.	+0.08	+0.7
June 23	P.	+0.02	−0.3
July 1	P.	+0.08	−0.1
22	M.	−0.01	+0.8
Mean		+0.045	+0.52

114 B. Draconis

$\alpha = 16^h\ 43^m\ 24^s.080$
$\delta = +56^\circ\ 57'\ ..''..$

1912		s	″
June 23	P.	−0.12	...

κ Ophiuchi

$\alpha = 16^h\ 52^m\ 55^s.820$
$\delta = +9^\circ\ 31'\ 49''.18$

1912		s	″
Mar. 13	M.	+0.06	+1.0
17	M.	0.00	+0.4
18	P.	+0.06	+0.7
22	Ep.	+0.05	+0.6
25	P.	+0.03	+0.8
27	M.	+0.02	+0.5
Apr. 4	P.	+0.06	+0.9
6	P.	+0.03	+0.4
19	Ep.	....	+0.2
23	Ep.	+0.01	+1.0
May 31	Ep.	+0.07	+1.3
June 23	P.	+0.09	+0.5
July 1	P.	+0.07	+0.5
12	M.	+0.06	+1.2
16	P.	+0.05	+0.4
22	M.	+0.03	+0.7
Aug. 18	P.	+0.07	+0.3
1913		s	″
Feb. 25	Ep.	+0.05	+0.4
Mar. 18	Ep.	+0.09	+0.4
27	P.	+0.01	+0.8
31	P.	+0.05	+0.6
Mean		+0.048	+0.65

ε Herculis

$\alpha = 16^h\ 56^m\ 27^s.756$
$\delta = +31^\circ\ 4'\ 25''.00$

1912		s	″
Mar. 13	M.	−0.04	+1.2

η Ophiuchi

$\alpha = 17^h\ 4^m\ 38^s.542$
$\delta = -15^\circ\ 36'\ 2''.85$

1912		s	″
Mar. 9	P.	+0.03	+0.1
13	M.	+0.11	+0.3
17	M.	+0.10	+0.2
18	P.	+0.10	+0.1
22	Ep.	+0.07	+0.6
25	P.	+0.08	+0.9
27	M.	+0.04	+0.3
29	Ep.	+0.03	+0.5
Apr. 6	P.	+0.06	−0.3
19	Ep.	....	0.0
23	Ep.	+0.06	+0.8
May 2	P.	+0.07	+0.4
4	P.	+0.11	+0.7
16	P.	+0.10	...
30	P.	+0.11	+0.2
31	Ep.	+0.15	+0.2
June 29	M.	+0.07	+0.2
July 1	P.	+0.06	+0.1
12	M.	+0.07	+1.3
22	M.	+0.02	+0.2
Aug. 13	P.	+0.09	−0.2
18	P.	+0.02	−0.4
Mean		+0.074	+0.30

α Herculis

$\alpha = 17^h\ 10^m\ 5^s.238$
$\delta = +14^\circ\ 30'\ 15''.40$

1912		s	″
Mar. 9	P.	+0.07	+1.0
13	M.	+0.08	+1.1
17	M.	+0.08	+0.9
18	P.	+0.08	+1.2
22	Ep.	+0.03	+0.8
27	M.	+0.02	+1.3
29	Ep.	+0.02	+0.5
Apr. 5	Ep.	+0.03	+0.4
6	P.	+0.01	+0.3
11	Ep.	+0.02	+0.6
23	Ep.	+0.01	+1.4
May 2	P.	+0.06	0.0
3	Ep.	+0.01	+1.5
4	P.	+0.07	+1.9
16	P.	+0.06	...
30	P.	+0.04	+1.5
31	Ep.	+0.05	+1.9
June 28	P.	+0.06	+0.4
29	M.	+0.05	+1.2
July 12	M.	+0.05	+1.6
16	P.	+0.01	+0.6
Aug. 7	Ep.	−0.01	+1.1
13	P.	+0.01	+1.9
18	P.	0.00	+1.2
1913			
Mar. 18	Ep.	+0.13	+1.0
31	P.	+0.02	+1.0
Mean		+0.041	+1.05

α Ophiuchi

$\alpha = 17^h\ 30^m\ 17^s.636$

$\delta = +12^\circ\ 37'\ 54''.67$

1912		s	″
Mar. 13	M.	+0.10	+1.0
17	M.	+0.02	+0.7
18	P.	+0.04	+1.0
22	Ep.	+0.05	+0.6
25	P.	+0.01	+1.1
27	M.	+0.06	+0.7
29	Ep.	−0.04	+0.2
Apr. 5	Ep.	+0.03	+0.8
6	P.	+0.07	+0.4
8	P.	+0.06	+0.5
10	P.	+0.01	+1.2
11	Ep	+0.03	+0.5
22	P.	+0.07	+0.4
24	M.	+0.05	+1.5
May 2	P.	+0.06	+1.1
3	Ep.	+0.03	+0.5
4	P.	+0.07	+1 1
8	M.	+0.02	+1.2
13	P.	+0.08	+0.6
30	P.	−0.01	+0.9
31	Ep.	+0.08	+1.1
June 28	P.	+0.03	0.0
29	M.	−0.01	+0.4
July 16	P.	+0.08	+0.8
23	Ep.	+0.03	+0.2
30	Ep.	−0.01	+0.4
Aug. 7	Ep.	+0.02	+1.0
13	P.	−0.03	+0.8
16	P.	+0.03	+0.4
18	P.	+0.06	+0.3
1913			
Mar. 18	Ep.	+0.09	+0.6
31	P.	+0.02	+0.5
Mean................		+0.038	+0.70

ι Herculis

$\alpha = 17^h\ 36^m\ 38^s.544$

$\delta = +46^\circ\ 3'\ ..''...$

1912		s	″
July 12	M.	−0.06	...

β Ophiuchi

$\alpha = 17^h\ 38^m\ 31^s.915$

$\delta = +\ 4^\circ\ 36'\ 34''.35$

1912		s	″
Mar. 13	M.	−0.01	+0.7
18	P.	−0.01	+0.4
25	P.	+0.04	+1.3
27	M.	+0.04	+1.0
29	Ep.	−0.03	+0.6
Apr. 5	Ep.	+0.02	+0.5
6	P.	+0.05	+0.6
8	P.	+0.04	+0.6
10	P.	−0.01	+1.0
11	Ep.	+0.01	+0.3
18	P.	−0.01	+0.3
24	M.	0.00	+1.3
May 3	Ep.	+0.02	+0.6
4	P.	+0.05	+1.1
8	M.	+0.01	+1.0
13	P.	+0.01	+0.6
30	P.	−0.03	+0.6
June 28	P.	+0.03	+0.3
29	M.	+0.02	+0.4
July 12	M.	−0.05	+1.2
16	P.	0.00	+0.2
23	Ep.	−0.01	0.0
30	Ep.	0.00	+0.6
Aug. 7	Ep.	+0.01	−0.2
13	P.	+0.08	+0.7
16	P.	+0.01	+0.2
18	P.	−0.02	+0.1
1913		s	″
Mar. 18	Ep.	+0.08	+0.5
27	P.	+0.05	+0.5
31	P.	0.00	+0.3
Mean................		+0.013	+0.58

μ Herculis

$\alpha = 17^h\ 42^m\ 32^s.379$

$\delta = +27^\circ\ 46'\ 35''.24$

1912		s	″
Mar. 18	P.	+0.05	+1.3
25	P.	+0.01	+1.1
27	M.	+0.02	+0.8
29	Ep.	+0.02	+1.6
Apr. 3	Ep.	....	+1.1
4	P.	+0.07	+1.1
5	Ep.	+0.01	+1.2
6	P.	+0.03	+0.6
8	P.	+0.06	+0.9
10	P.	+0.02	+1.3
11	Ep.	0.00	+1.1
18	P.	−0.04	+0.8
24	M.	+0.03	+1.1
May 4	P.	+0.03	+1.4
8	M.	+0.04	+1.5
June 29	M.	+0.06	+0.8
July 12	M.	+0.02	+1.8
19	Ep.	+0.01	+0.5
23	Ep.	+0.03	+0.9
30	Ep.	−0.02	+1.2
Aug. 7	Ep.	−0.01	+1.0
13	P.	+0.03	+1.3
16	P.	+0.05	+1.4
18	P.	−0.04	+1.6
1913			
Mar. 18	Ep.	+0.06	+0.4
27	P.	+0.03	+0.7
31	P.	+0.04	+1.0
Mean................		+0.023	+1.09

γ Draconis

$\alpha = 17^h\ 54^m\ 17^s.040$

$\delta = +51^\circ\ 30'\ ..''...$

1912		s	″
July 12	M.	−0.08	...

72 Ophiuchi

$\alpha = 18^h\ 2^m\ 36^s.458$

$\delta = +\ 9^\circ\ 32'\ 59''.54$

1912		s	″
Apr. 6	P.	+0.13	−0.3
8	P.	+0.06	+0.2
10	P.	+0.06	+0.7
11	Ep.	−0.03	−0.2
22	P.	+0.08	+0.1
24	M.	+0.04	+0.3
May 8	M.	+0.02	+0.5
10	Ep.	+0.04	+0.1
17	Ep.	+0.06	...
June 28	P.	+0.07	−0.2
July 12	M.	+0.02	+0.6
19	Ep.	+0.04	−0.1
23	Ep.	+0.07	−0.2
Aug. 18	P.	+0.06	−0.7
Sept. 10	M.	+0.04	−0.2
Mean................		+0.051	+0.04

δ Ursæ Minoris

$\alpha = 18^h\ 4^m\ 32^s.946$

$\delta = +86^\circ\ 36'\ 48''.29$

1912		s	″
Mar. 13	M.	[−0.45]	[+0.6]
17	M.	[−0.41]	[+0.7]
18	P.	[+0.55]	[+0.6]
1912		s	″
Mar. 25	P.	[−0.26]	[+0.2]
27	M.	[−0.03]	[+0.9]
29	Ep.	[+0.60]	[−0.3]
Apr. 3	Ep.	−0.03	+0.8
4	P.	−0.12	+0.5
5	Ep.	+0.72	+0.3
Sept. 17	P.	[−0.64]	[+0.4]
20	P.	[−0.11]	[+1.1]
21	Ep.	[+0.05]	[+0.4]
28	Ep.	[+0.03]	[+0.4]
30	M.	[−0.27]	[−0.2]
Oct. 4	P.	[−0.55]	[+0.5]
7	Ep.	[−0.29]	[+1.6]
16	Ep.	[−0.01]	[+0.9]
21	M.	[−0.25]	...
Mean................		+0.190	+0.53
		[−0.136]	[+0.56]

δ Ursæ Minoris s. p.

$\alpha = 18^h\ 4^m\ 32^s.955$

$\delta = +86^\circ\ 36'\ 48''.31$

1912		s	″
Mar. 16	Ep.	−0.15	−0.5
19	P.	[−0.07]	[−0.1]
22	P.	[+0.28]	[+0.2]
25	M.	[+0.14]	[+0.5]
26	P.	[−0.02]	[−0.5]
30	Ep.	[−0.72]	[+0.2]
Apr. 4	Ep.	[−0.25]	[−0.3]
10	Ep.	[−0.53]	[0.0]
Sept. 10	Ep.	[−0.59]	[−0.1]
12	Ep.	[−0.27]	[−0.1]
Oct. 3	P.	+0.21	+0.3
4	Ep.	−0.26	−0.2
10	Ep.	+0.17	−0.3
14	P.	−0.27	+0.7
17	P.	+0.16	+0.3
27	M.	−0.54	−0.5
Mean................		−0.097	−0.03
		[−0.226]	[−0.02]

μ Sagittarii

$\alpha = 18^h\ 7^m\ 46^s.960$

$\delta = -21^\circ\ 5'\ 6''.16$

1912		s	″
July 19	Ep.	+0.11	+0.4

η Serpentis

$\alpha = 18^h\ 16^m\ 7^s.631$

$\delta = -\ 2^\circ\ 55'\ 37''.92$

1912		s	″
Apr. 3	Ep.	+0.04	+0.7
5	Ep.	+0.07	+0.2
8	P.	+0.07	+0.3
10	P.	+0.12	+1.1
11	Ep.	+0.04	+0.3
18	P.	+0.07	...
22	P.	+0.10	+0.1
23	Ep.	+0.08	0.0
24	M.	+0.08	+0.8
May 4	P.	+0.07	+1.0
8	M.	+0.14	+0.6
10	Ep.	+0.11	+0.7
17	Ep.	+0.08	+0.5
June 1	P.	+0.05	0.0
29	M.	+0.07	+0.4
July 15	M.	+0.09	−0.7
Aug. 2	P.	+0.06	−0.2
7	Ep.	+0.06	−0.1
Sept. 9	Ep.	+0.03	+0.3
10	M.	+0.09	+0.5
13	Ep.	+0.04	+0.6
17	P.	+0.05	−0.2
20	P.	+0.08	+0.5
Mean................		+0.073	+0.34

109 Herculis

$\alpha = 18^{h}\ 19^{m}\ 26^{s}.366$
$\delta = +21^{\circ}\ 43'\ 23''.35$

1912		s	″
Apr. 5	Ep.	+0.01	+1.3
8	P.	+0.06	+1.4
10	P.	+0.02	+2.0
18	P.	−0.02	+1.1
22	P.	+0.01	...
23	Ep.	+0.03	+1.1
24	M.	0.00	+1.6
May 8	M.	+0.02	...
10	Ep.	+0.05	+1.5
June 1	P.	+0.03	+1.4
July 15	M.	−0.01	+1.0
19	Ep.	0.00	+1.0
25	M.	−0.02	+1.9
Aug. 1	Ep.	+0.07	+0.9
2	P.	+0.01	+0.7
7	Ep.	+0.01	+1.1
Sept. 10	M.	+0.08	+0.4
13	Ep.	+0.03	+1.4
17	P.	+0.01	+1.3
20	P.	+0.05	+1.3
Mean................		+0.022	+1.24

λ Sagittarii

$\alpha = 18^{h}\ 21^{m}\ 47^{s}.922$
$\delta = -25^{\circ}\ 28'\ 39''.86$

1912		s	″
May 17	Ep.	+0.06	+1.4

110 Herculis

$\alpha = 18^{h}\ 41^{m}\ 21^{s}.432$
$\delta = +20^{\circ}\ 26'\ 57''.33$

1912		s	″
Apr. 18	P.	+0.13	+0.7
22	P.	−0.03	...
May 2	P.	+0.13	+0.9
9	P.	+0.09	+1.1
17	Ep.	+0.07	+0.7
June 1	P.	+0.09	+0.6
July 15	M.	+0.08	+1.1
19	Ep.	+0.09	(−2.0)
25	M.	+0.05	+1.1
30	Ep.	+0.03	+0.5
Aug. 1	Ep.	+0.06	+0.7
2	P.	+0.11	+0.3
22	Ep.	....	+1.2
23	M.	+0.11	+0.5
24	Ep.	+0.08	+1.1
Sept. 6	Ep.	+0.06	+0.9
9	Ep.	0.00	+0.9
10	M.	+0.14	+0.8
13	Ep.	+0.05	+0.7
17	P.	+0.06	+0.8
20	P.	+0.15	+0.3
28	Ep.	+0.04	+1.3
30	M.	+0.11	+1.4
Oct. 4	P.	+0.02	+0.6
7	Ep.	[+0.03]	[+0.6]
Mean................		+0.075	+0.83

β Lyræ

$\alpha = 18^{h}\ 46^{m}\ 23^{s}.275$
$\delta = +33^{\circ}\ 14'\ 47''.17$

1912		s	″
July 19	Ep.	+0.01	+0.1
Aug. 1	Ep.	+0.05	+0.2
Mean................		+0.030	+0.15

σ Sagittarii

$\alpha = 18^{h}\ 49^{m}\ 3^{s}.863$
$\delta = -26^{\circ}\ 25'\ 16''.49$

1912		s	″
July 30	Ep.	+0.13	+1.0

R Lyræ

$\alpha = 18^{h}\ 52^{m}\ 17^{s}.579$
$\delta = +43^{\circ}\ 48'\ ..''...$

1912		s	″
July 25	M.	+0.05	...

ε Aquilæ

$\alpha = 18^{h}\ 55^{m}\ 4^{s}.974$
$\delta = +14^{\circ}\ 55'\ 55''.42$

1912		s	″
Apr. 18	P.	+0.09	+1.1
23	Ep.	0.00	+0.7
May 2	P.	+0.03	+1.2
9	P.	−0.02	+0.9
17	Ep.	+0.05	+0.2
19	M.	+0.08	+1.3
June 1	P.	+0.06	+1.2
July 15	M.	+0.05	+0.7
25	M.	+0.04	+1.0
30	Ep.	+0.02	+0.9
Aug. 1	Ep.	+0.05	0.0
2	P.	−0.02	+0.9
15	Ep.	−0.01	+0.8
23	M.	+0.09	+0.5
24	Ep.	+0.08	+1.2
Sept. 6	Ep.	+0.03	+0.9
9	Ep.	−0.01	+0.5
10	M.	+0.06	+0.6
13	Ep.	+0.07	+0.3
17	P.	+0.05	+0.8
20	P.	+0.11	+1.2
21	Ep.	+0.04	+1.1
28	Ep.	+0.03	+1.1
30	M.	+0.03	+1.2
Oct. 4	P.	+0.01	+0.5
8	P.	+0.05	+0.9
10	P.	+0.04	+0.2
Mean................		+0.041	+0.81

ζ Aquilæ

$\alpha = 19^{h}\ 0^{m}\ 48^{s}.821$
$\delta = +13^{\circ}\ 42'\ 51''.63$

1912		s	″
May 9	P.	+0.02	+0.7
17	Ep.	+0.03	+1.1
19	M.	+0.02	+0.5
June 1	P.	+0.03	+0.9
July 15	M.	+0.02	+0.1
25	M.	+0.05	+0.6
26	Ep.	−0.03	+1.1
Aug. 1	Ep.	+0.03	+0.1
15	Ep.	+0.03	+0.6
16	P.	+0.06	+0.4
23	M.	+0.05	+0.8
24	Ep.	+0.05	+0.7
Sept. 6	Ep.	+0.04	+0.5
9	Ep.	+0.02	+0.4
10	M.	+0.08	+0.7
13	Ep.	+0.04	+0.2
17	P.	+0.05	+0.5
21	Ep.	+0.05	+0.6
28	Ep.	+0.01	...
30	M.	+0.04	+1.2
Oct. 4	P.	+0.05	+0.6
8	P.	+0.04	(−1.3)
10	P.	+0.07	+0.1
15	P.	+0.05	+0.2
Mean..		+0.038	+0.57

d Sagittarii

$\alpha = 19^{h}\ 11^{m}\ ..^{s}...$
$\delta = -19^{\circ}\ 7'\ 51''.51$

1912		s	″
Aug. 22	Ep.	....	+1.0

κ Cygni

$\alpha = 19^{h}\ 14^{m}\ 47^{s}.623$
$\delta = +53^{\circ}\ 11'\ ..''...$

1912		s	″
July 25	M.	−0.03	...

δ Aquilæ

$\alpha = 19^{h}\ 20^{m}\ 27^{s}.605$
$\delta = +\ 2^{\circ}\ 54'\ 56''.07$

1912		s	″
May 9	P.	+0.05	+1.0
10	Ep.	+0.04	+1.2
17	Ep.	+0.02	+0.6
19	M.	0.00	+0.6
July 15	M.	−0.02	+0.6
25	M.	+0.07	+0.5
26	Ep.	+0.02	+1.2
27	Ep.	+0.03	+1.2
31	P.	+0.03	+0.8
Aug. 1	Ep.	+0.05	+1.1
2	P.	+0.12	+0.6
5	Ep.	+0.03	+1.0
15	Ep.	+0.03	+0.8
22	Ep.	....	+0.8
23	M.	+0.07	+1.0
24	Ep.	0.00	+1.0
25	M.	+0.06	+0.5
Sept. 6	Ep.	−0.01	+0.5
9	Ep.	+0.05	+0.4
17	P.	+0.06	+0.7
19	M.	+0.06	+0.9
20	P.	+0.05	+0.8
21	Ep.	+0.08	+0.7
28	Ep.	+0.05	+1.2
30	M.	+0.05	+1.3
Oct. 4	P.	+0.06	+0.3
8	P.	+0.01	+1.0
10	P.	+0.08	−0.2
15	P.	+0.08	+0.4
16	Ep.	+0.04	+1.6
18	P.	−0.02	+0.2
Mean................		+0.041	+0.78

λ Ursæ Minoris S. P.

$\alpha = 19^{h}\ 22^{m}\ 28^{s}.163$
$\delta = +88^{\circ}\ 59'\ 15''.91$

1913		s	″
Mar. 28	P.	−0.77	+0.5
Apr. 1	P.	[−0.66]	[+0.6]

β Cygni

$\alpha = 19^{h}\ 26^{m}\ 41^{s}.304$
$\delta = +27^{\circ}\ 44'\ 58''.12$

1912		s	″
May 9	P.	+0.01	+1.0
10	Ep.	+0.09	+1.4
19	M.	+0.05	+0.7
20	P.	+0.08	+1.3
21	Ep.	+0.02	+0.9
July 25	M.	+0.06	+1.1
26	Ep.	+0.06	+1.2
27	Ep.	+0.07	+1.2
31	P.	+0.09	+1.5
Aug. 2	P.	+0.07	+0.7
5	Ep.	+0.06	+0.7
20	M.	+0.03	+1.6
24	Ep.	+0.03	+0.8
25	M.	+0.02	+1.0
Sept. 6	Ep.	0.00	+0.4
9	Ep.	+0.03	+0.8
19	M.	+0.06	+0.9
21	Ep.	+0.01	+0.9
28	Ep.	+0.01	+1.1
30	M.	+0.04	+1.4
Oct. 4	P.	+0.06	+0.7
8	P.	+0.08	+1.3

1912		s	″
Oct. 10	P.	+0.06	+0.6
15	P.	+0.12	+0.9
16	Ep.	+0.03	+1.6
Mean................		+0.050	+1.03

γ Aquilæ

$\alpha = 19^h\ 41^m\ 30^s.342$

$\delta = +10^\circ\ 22'\ 9''.91$

1912		s	″
May 9	P.	+0.06	+1.0
10	Ep.	+0.08	+0.9
19	M.	+0.04	+0.7
20	P.	+0.02	+0.9
21	Ep.	+0.07	+1.6
24	Ep.	+0.08	+0.9
26	M.	+0.03	0.0
June 3	M.	+0.05	+1.4
4	Ep.	+0.04	+0.9
5	M.	+0.02	+0.9
7	Ep.	+0.06	−0.1
13	P.	+0.05	+0.1
July 26	Ep.	+0.08	+1.4
31	P.	+0.04	+1.4
Aug. 5	Ep.	+0.07	+0.9
16	P.	+0.05	+0.5
20	M.	+0.05	+1.4
23	M.	+0.03	+1.2
24	Ep.	+0.04	+0.7
25	M.	+0.06	+0.6
Sept. 6	Ep.	+0.02	+0.6
19	M.	+0.07	+0.8
20	P.	+0.07	+0.9
21	Ep.	+0.03	+0.8
28	Ep.	+0.02	+1.4
30	M.	+0.04	+1.5
Oct. 4	P.	+0.05	+0.6
8	P.	+0.05	+1.1
10	P.	+0.08	+0.3
11	Ep.	+0.05	+0.9
15	P.	+0.05	+0.5
16	Ep.	+0.04	+1.0
18	P.	+0.10	+0.6
Mean................		+0.051	+0.86

δ Cygni

$\alpha = 19^h\ 41^m\ 51^s.074$

$\delta = +44^\circ\ 53'\ ..''...$

1912		s	″
July 15	M.	−0.07	...

α Aquilæ

$\alpha = 19^h\ 45^m\ 54^s.714$

$\delta = +\ 8^\circ\ 36'\ 19''.43$

1912		s	″
May 19	M.	+0.10	+1.2
20	P.	+0.07	+1.5
21	Ep.	+0.12	+1.5
24	Ep.	+0.10	+1.0
26	M.	+0.09	+1.0
27	P.	+0.07	+0.9
June 1	P.	+0.04	+0.8
3	M.	+0.07	+1.1
4	Ep.	+0.05	+1.1
5	M.	+0.01	+1.0
7	Ep.	+0.11	+0.8
10	P.	+0.09	+1.2
13	P.	+0.08	+1.0
July 31	P.	+0.08	+2.2
Aug. 5	Ep.	+0.07	+1.1
16	P.	+0.01	+1.0
20	M.	+0.09	+1.0
1912		s	″
Aug. 23	M.	+0.08	+1.3
25	M.	+0.06	+1.2
Sept. 19	M.	+0.10	+1.3
21	Ep.	+0.08	+0.9
Oct. 8	P.	+0.06	+1.3
10	P.	+0.10	+0.2
11	Ep.	+0.03	+0.9
15	P.	−0.01	+1.3
16	Ep.	+0.02	+2.4
18	P.	+0.05	+0.2
Mean................		+0.067	+1.13

β Aquilæ

$\alpha = 19^h\ 50^m\ 24^s.109$

$\delta = +\ 6^\circ\ 9'\ 18''.78$

1912		s	″
May 20	P.	+0.06	+1.3
21	Ep.	+0.07	+0.5
24	Ep.	+0.10	+0.5
26	M.	+0.09	+0.9
27	P.	+0.04	+0.5
June 5	M.	+0.09	+0.6
7	Ep.	+0.06	0.0
10	P.	+0.06	+0.2
11	Ep.	0.00	+0.6
13	P.	+0.10	+0.6
July 28	P.	+0.01	+0.4
31	P.	+0.03	+1.2
Aug. 12	P.	+0.03	+0.7
15	Ep.	−0.02	−0.1
20	M.	+0.07	+0.7
25	M.	+0.02	+1.1
Sept. 19	M.	+0.07	+1.2
20	P.	+0.04	−0.1
Oct. 11	Ep.	+0.06	+0.8
15	P.	+0.05	+0.4
16	Ep.	0.00	+1.3
18	P.	+0.04	+0.1
Mean................		+0.049	+0.61

γ Sagittæ

$\alpha = 19^h\ 54^m\ 18^s.638$

$\delta = +19^\circ\ 13'\ 13''.83$

1912		s	″
May 20	P.	+0.12	+0.8
21	Ep.	+0.07	+1.0
24	Ep.	+0.05	+1.2
26	M.	+0.07	+0.7
27	P.	+0.08	+0.6
June 3	M.	+0.07	+0.6
4	Ep.	+0.07	+0.6
5	M.	+0.01	+0.2
7	Ep.	+0.08	+0.2
10	P.	+0.04	+0.1
11	Ep.	+0.10	+0.7
13	P.	+0.05	+0.4
July 26	Ep.	+0.08	+1.0
27	Ep.	+0.07	+1.3
28	P.	+0.09	+0.9
31	P.	+0.02	+1.5
Aug. 5	Ep.	+0.05	+0.5
12	P.	+0.02	+1.2
15	Ep.	+0.07	+0.2
20	M.	+0.04	+0.7
25	M.	+0.08	+0.6
Sept. 19	M.	+0.13	+1.2
Oct. 11	Ep.	+0.03	+0.9
16	Ep.	+0.07	+1.1
18	P.	+0.06	+0.3
Mean................		+0.065	+0.74

θ Aquilæ

$\alpha = 20^h\ 6^m\ 8^s.761$

$\delta = -\ 1^\circ\ 7'\ 5''.30$

1912		s	″
May 20	P.	+0.09	+0.8
21	Ep.	+0.08	+1.5
24	Ep.	+0.16	+1.0
26	M.	+0.12	+0.2
27	P.	+0.09	+0.6
June 3	M.	+0.07	+0.6
4	Ep.	+0.09	...
5	M.	+0.07	+0.1
7	Ep.	+0.11	+0.2
9	M.	+0.06	+0.3
11	Ep.	+0.09	+0.9
12	M.	+0.06	+1.0
13	P.	+0.05	+0.8
July 26	Ep.	+0.08	+0.6
27	Ep.	+0.04	+0.3
28	P.	+0.07	+0.3
Aug. 5	Ep.	+0.07	+1.0
12	P.	+0.05	+0.6
15	Ep.	+0.03	0.0
20	M.	+0.04	+1.2
Oct. 29	P.	+0.04	0.0
Nov. 5	Ep.	+0.03	+0.1
Mean................		+0.072	+0.58

o^1 Cygni

$\alpha = 20^h\ 10^m\ 29^s.017$

$\delta = +46^\circ\ 26'\ ..''...$

1912		s	″
June 16	P.	−0.02	...
July 7	M.	−0.02	...
15	M.	−0.04	...
Mean................		−0.027	...

α^2 Capricorni

$\alpha = 20^h\ 12^m\ 30^s.469$

$\delta = -12^\circ\ 51'\ 17''.40$

1912		s	″
May 24	Ep.	+0.04	+1.8
June 3	M.	+0.03	+0.4
4	Ep.	+0.02	...
8	P.	+0.10	+1.1
9	M.	+0.06	+0.5
11	Ep.	+0.05	+0.7
12	M.	0.00	+1.1
13	P.	+0.07	+0.5
July 7	M.	+0.08	+0.5
Oct. 5	Ep.	+0.03	+1.0
Mean................		+0.048	+0.84

ε Delphini

$\alpha = 20^h\ 28^m\ 26^s.156$

$\delta = +10^\circ\ 57'\ 47''.42$

1912		s	″
May 27	P.	+0.01	+0.8
June 7	Ep.	+0.06	+0.4
8	P.	+0.07	+1.1
9	M.	−0.05	+0.8
10	P.	+0.01	+0.5
12	M.	+0.04	+0.8
July 2	P.	+0.04	+0.8
6	P.	+0.06	+0.8
7	M.	−0.01	+1.6
12	P.	+0.04	+0.9
27	Ep.	+0.03	+1.2
28	P.	+0.04	+0.9
Aug. 12	P.	+0.04	+0.8
Oct. 5	Ep.	+0.05	+0.9
29	P.	+0.03	+0.6

1912		s	″
Oct. 31	M.	+0.07	+1.3
Nov. 5	Ep.	0.00	+0.7
8	P.	0.00	+1.1
12	P.	+0.03	+0.6
Mean................		+0.029	+0.87

α Delphini

$\alpha = 20^h\ 34^m\ 59^s.671$

$\delta = +15^\circ\ 33'\ 33''.78$

1912		s	″
May 27	P.	+0.01	+0.3
June 8	P.	+0.03	+0.5
9	M.	+0.05	0.0
10	P.	+0.02	−0.1
12	M.	+0.05	+0.3
16	P.	+0.02	+0.1
July 2	P.	+0.04	0.0
7	M.	+0.09	+0.1
12	P.	+0.01	+0.1
27	Ep.	+0.02	+0.8
Aug. 12	P.	+0.01	+0.3
Oct. 5	Ep.	+0.04	−0.1
11	Ep.	+0.03	+0.1
29	P.	0.00	−0.6
31	M.	−0.03	+0.3
Nov. 5	Ep.	+0.02	−0.1
8	P.	−0.01	0.0
12	P.	0.00	−0.2
15	P.	+0.03	−0.1
Mean................		+0.023	+0.09

α Cygni

$\alpha = 20^h\ 38^m\ 1^s.366$

$\delta = +44^\circ\ 55'\ ..''...$

1912		s	″
June 16	P.	+0.06	...
July 7	M.	+0.08	...
Mean................		+0.070	...

ε Cygni

$\alpha = 20^h\ 42^m\ 10^s.283$

$\delta = +33^\circ\ 35'\ 48''.23$

1912		s	″
Oct. 31	M.	+0.05	+0.8
Nov. 5	Ep.	−0.04	+0.2
8	P.	−0.01	+0.6
12	P.	−0.04	+0.2
15	P.	−0.05	−0.1
Mean................		−0.018	+0.34

μ Aquarii

$\alpha = 20^h\ 47^m\ 15^s.686$

$\delta = -\ 9^\circ\ 21'\ 31''.72$

1912		s	″
June 1	P.	+0.03	+0.7
8	P.	+0.10	+0.9
9	M.	+0.07	+1.2
10	P.	+0.12	+1.7
11	Ep.	+0.10	+0.7
12	M.	+0.06	+0.8
16	P.	+0.01	+0.6
20	P.	−0.01	+0.8
21	M.	+0.08	+1.6
July 2	P.	+0.08	+0.9
6	P.	+0.05	+0.8
7	M.	+0.02	+1.1
12	P.	+0.08	+1.0
28	P.	+0.06	+1.4
Aug. 12	P.	+0.10	+1.2
Oct. 11	Ep.	+0.06	+1.3
29	P.	−0.01	+1.0
Mean................		+0.059	+1.04

76 Draconis

$\alpha = 20^h\ 49^m\ 50^s.738$

$\delta = +82^\circ\ 9'\ 40''.33$

1912		s	″
Oct. 31	M.	+0.08	−0.1

76 Draconis s. p.

$\alpha = 20^h\ 49^m\ 50^s.738$

$\delta = +82^\circ\ 9'\ ..''...$

1912		s	″
Nov. 3	M.	+0.17	...

32 Vulpeculæ

$\alpha = 20^h\ 50^m\ 17^s.881$

$\delta = +27^\circ\ 40'\ 37''.94$

1912		s	″
June 8	P.	−0.04	+1.2
9	M.	+0.04	+0.6
11	Ep.	+0.02	+0.5
12	M.	+0.01	+0.4
16	P.	+0.01	+0.4
20	P.	+0.01	+0.2
21	M.	+0.01	+0.9
July 2	P.	+0.04	+0.2
7	M.	−0.01	+0.6
12	P.	+0.02	+0.4
28	P.	−0.03	−0.6
Sept. 22	P.	+0.02	0.0
Oct. 18	P.	+0.05	+0.2
Mean................		+0.012	+0.38

ζ Cygni

$\alpha = 21^h\ 8^m\ 40^s.793$

$\delta = +29^\circ\ 48'\ 59''.00$

1912		s	″
June 8	P.	+0.01	+1.2
16	P.	+0.08	+0.2
20	P.	+0.04	+0.7
21	M.	+0.05	+0.9
July 2	P.	+0.03	+0.6
5	M.	+0.02	+0.5
7	M.	+0.02	+0.7
12	P.	+0.06	+0.7
Sept. 22	P.	+0.02	+0.8
Oct. 5	Ep.	+0.01	+1.1
28	M.	+0.02	+0.9
29	P.	+0.06	+0.7
30	Ep.	+0.01	+0.5
31	M.	+0.04	+1.1
Nov. 5	Ep.	+0.06	+0.6
11	M.	−0.03	+0.8
12	P.	+0.04	+0.5
15	P.	+0.01	+0.9
26	P.	+0.01	+0.8
Mean................		+0.029	+0.75

β Aquarii

$\alpha = 21^h\ 26^m\ 17^s.731$

$\delta = -\ 6^\circ\ 0'\ 40''.45$

1912		s	″
June 16	P.	+0.03	+1.2
20	P.	+0.04	+0.1
21	M.	+0.06	+0.5
25	P.	+0.04	+0.3
July 2	P.	+0.06	+0.8
5	M.	+0.09	+0.9
6	P.	+0.06	+1.2
12	P.	+0.06	+1.0
Sept. 22	P.	+0.03	+0.4
Oct. 5	Ep.	+0.06	+1.6
28	M.	+0.10	+0.9
29	P.	+0.08	+0.6
Nov. 8	P.	+0.08	+0.7
12	P.	+0.05	+0.8
15	P.	+0.02	+1.2
26	P.	+0.08	+0.8
Mean................		+0.059	+0.81

ε Pegasi

$\alpha = 21^h\ 39^m\ 16^s.488$

$\delta = +\ 9^\circ\ 24'\ 59''.09$

1912		s	″
June 16	P.	+0.05	+0.6
20	P.	+0.09	+1.5
21	M.	+0.05	+0.3
25	P.	+0.09	+0.7
July 5	M.	+0.06	+0.9
6	P.	+0.09	+0.5
Oct. 5	Ep.	+0.07	+1.3
28	M.	+0.06	+0.7
29	P.	+0.05	+0.3
30	Ep.	+0.09	+0.8
31	M.	+0.07	+0.8
Nov. 5	Ep.	+0.10	+0.9
8	P.	+0.10	+0.5
11	M.	+0.06	+0.4
12	P.	+0.07	+1.0
26	P.	+0.02	+1.2
Mean................		+0.070	+0.78

16 Pegasi

$\alpha = 21^h\ 48^m\ 30^s.712$

$\delta = +25^\circ\ 27'\ 16''.65$

1912		s	″
June 20	P.	+0.05	+0.2
21	M.	−0.03	+0.2
25	P.	−0.03	+0.2
July 5	M.	+0.02	+0.4
Sept. 22	P.	+0.01	−0.6
Oct. 20	P.	−0.08	+0.5
28	M.	+0.05	+0.3
Mean................		−0.001	+0.17

α Aquarii

$\alpha = 22^h\ 0^m\ 38^s.908$

$\delta = -\ 0^\circ\ 48'\ 20''.54$

1912		s	″
June 25	P.	+0.03	+0.2
July 4	P.	+0.02	+0.1
5	M.	+0.04	+1.1
29	Ep.	0.00	+1.3
Oct. 20	P.	−0.01	+1.5
28	M.	+0.09	+1.1
30	Ep.	+0.06	+0.3
Nov. 8	P.	+0.05	+0.5
11	M.	+0.06	+0.1
15	P.	+0.04	+0.6
16	Ep.	+0.03	+1.0
26	P.	+0.06	+0.3
Mean................		+0.039	+0.68

B. D. +88° 131 s. p.

$\alpha = 22^h\ 5^m$

$\delta = +89^\circ\ 1'$

1913		s	″
Mar. 28	P.	1.42	32.4
Apr. 1	P.	2.16	32.3
Mean................		1.790	32.35

θ Pegasi

$\alpha = 22^h\ 5^m\ 9^s.586$

$\delta = +\ 5^\circ\ 42'\ 21''.49$

1912		s	″
June 25	P.	+0.06	+0.4
July 4	P.	+0.04	0.0
5	M.	+0.07	+1.1
9	M.	−0.02	0.0
29	Ep.	+0.01	+0.8
Oct. 20	P.	−0.03	+1.1
28	M.	−0.01	−0.2
30	Ep.	+0.03	−0.1
Mean................		+0.019	+0.39

θ Aquarii

$\alpha = 22^h\ 11^m\ 33^s.536$
$\delta = -8^\circ\ 16'\ 52''.69$

1912		s	″
June 25	P.	+0.02	+0.6
30	P.	+0.01	+0.3
July 4	P.	+0.04	+0.8
6	P.	+0.07	+0.6
29	Ep.	+0.06	+1.1
Oct. 30	Ep.	+0.04	+0.1
Mean		+0.040	+0.58

γ Aquarii

$\alpha = 22^h\ 16^m\ 29^s.600$
$\delta = -1^\circ\ 53'\ 28''.19$

1912		s	″
June 30	P.	−0.01	0.0
July 9	M.	+0.08	+0.2
29	Ep.	+0.06	+0.9
Oct. 20	P.	−0.03	+0.9
30	Ep.	+0.03	+0.7
Nov. 11	M.	+0.09	−0.2
15	P.	+0.10	0.0
16	Ep.	+0.07	+1.2
26	P.	+0.08	+0.3
Dec. 10	P.	+0.07	−0.9
13	P.	+0.03	−0.6
Mean		+0.052	+0.23

3 Lacertæ

$\alpha = 22^h\ 19^m\ 37^s.599$
$\delta = +51^\circ\ 43'\ 38''.38$

1912		s	″
June 20	P.	[−0.01]	...
30	P.	−0.04	...
July 4	P.	+0.01	+0.4
8	P.	+0.01	−0.3
Mean		−0.007	+0.05

7 Lacertæ

$\alpha = 22^h\ 27^m\ 10^s.458$
$\delta = +49^\circ\ 46'\ 5''.96$

1912		s	″
June 20	P.	[−0.02]	...
30	P.	−0.04	...
July 4	P.	−0.04	+0.3
8	P.	+0.03	+0.3
Mean		−0.017	+0.30

η Aquarii

$\alpha = 22^h\ 30^m\ 13^s.157$
$\delta = -0^\circ\ 37'\ 59''.28$

1912		s	″
June 30	P.	+0.08	...
July 4	P.	+0.03	+0.2
8	P.	+0.07	+0.6
29	Ep.	+0.05	+1.2
30	P.	+0.04	+0.4
Oct. 20	P.	+0.02	+1.3
Mean		+0.048	+0.74

ζ Pegasi

$\alpha = 22^h\ 36^m\ 28^s.542$
$\delta = +10^\circ\ 18'\ 33''.10$

1912		s	″
June 30	P.	−0.05	...
July 6	P.	+0.01	+0.7
9	M.	+0.01	+0.3
29	Ep.	+0.03	+1.1
30	P.	+0.06	+1.2
Oct. 20	P.	0.00	+1.3
1912		s	″
Nov. 11	M.	+0.07	+0.7
16	Ep.	+0.01	...
18	M.	+0.03	+0.8
22	P.	0.00	+0.2
26	P.	+0.03	+0.7
Dec. 3	P.	−0.03	+0.1
10	P.	+0.06	+0.4
13	P.	+0.05	+0.7
Mean		+0.020	+0.68

η Pegasi

$\alpha = 22^h\ 38^m\ 18^s.836$
$\delta = +29^\circ\ 41'\ 52''.64$

1912		s	″
June 30	P.	+0.08	...
July 4	P.	0.00	+0.9
8	P.	+0.04	+1.5
30	P.	+0.02	+1.4
Nov. 16	Ep.	0.00	+1.7
22	P.	−0.04	+0.4
Dec. 3	P.	−0.04	+1.0
10	P.	+0.01	+0.3
13	P.	−0.01	+0.8
Mean		+0.007	+1.00

λ Pegasi

$\alpha = 22^h\ 41^m\ 42^s.861$
$\delta = +23^\circ\ 2'\ 21''.52$

1912		s	″
June 30	P.	+0.06	...
July 4	P.	+0.03	+0.4
8	P.	+0.03	+0.2
9	M.	+0.07	+0.7
30	P.	+0.01	+0.9
Aug. 29	Ep.	0.00	+0.2
Mean		+0.033	+0.48

λ Aquarii

$\alpha = 22^h\ 47^m\ 23^s.882$
$\delta = -8^\circ\ 6'\ 41''.89$

1912		s	″
July 8	P.	+0.01	+1.1
9	M.	+0.02	+0.8
15	P.	+0.02	+0.8
30	P.	+0.06	+0.9
Aug. 29	Ep.	+0.08	+0.5
Mean		+0.038	+0.82

α Pegasi

$\alpha = 22^h\ 59^m\ 46^s.792$
$\delta = +14^\circ\ 40'\ 1''.33$

1912		s	″
July 6	P.	+0.04	+0.7
8	P.	+0.04	0.0
9	M.	−0.02	+0.6
15	P.	+0.05	+0.4
22	Ep.	+0.03	+0.1
30	P.	+0.12	+0.9
Aug. 29	Ep.	+0.05	−0.1
Oct. 7	P.	+0.02	+0.3
Nov. 16	Ep.	+0.04	+1.0
17	P.	+0.06	+0.4
18	M.	+0.10	+0.7
19	Ep.	+0.02	+0.4
22	P.	+0.04	+0.4
Dec. 3	P.	0.00	+0.3
10	P.	+0.01	−0.3
13	P.	+0.02	0.0
Mean		+0.039	+0.36

γ Piscium

$\alpha = 23^h\ 11^m\ 59^s.516$
$\delta = +2^\circ\ 44'\ 9''.39$

1912		s	″
July 8	P.	+0.07	+0.7
15	P.	+0.04	+0.4
22	Ep.	+0.08	+0.5
Oct. 7	P.	+0.08	+1.3
Nov. 16	Ep.	+0.07	+1.6
17	P.	+0.04	+0.5
18	M.	+0.10	+0.9
19	Ep.	+0.05	+1.0
Dec. 3	P.	+0.07	+0.4
10	P.	+0.05	−0.2
13	P.	+0.05	+0.2
24	P.	+0.08	+0.2
Mean		+0.065	+0.62

κ Piscium

$\alpha = 23^h\ 21^m\ 48^s.451$
$\delta = +0^\circ\ 42'\ 28''.30$

1912		s	″
July 15	P.	+0.04	+0.7
22	Ep.	+0.03	+0.2
Aug. 29	Ep.	+0.01	...
Oct. 7	P.	0.00	+0.7
Mean		+0.020	+0.53

39 H. Cephei s. p.

$\alpha = 23^h\ 27^m\ 48^s.672$
$\delta = +86^\circ\ 45'\ 21''.41$

1913		s	″
Apr. 18	Ep.	+1.72	−0.4

ι Piscium

$\alpha = 23^h\ 34^m\ 48^s.711$
$\delta = +5^\circ\ 4'\ 57''.77$

1912		s	″
July 15	P.	+0.06	+0.9
Oct. 7	P.	+0.06	+0.9
Nov. 17	P.	+0.05	+0.7
18	M.	+0.04	+1.2
22	P.	+0.01	+0.7
Dec. 3	P.	+0.02	+0.5
10	P.	+0.01	+0.1
13	P.	+0.04	+0.9
15	P.	+0.02	+0.4
24	P.	+0.01	+0.4
28	Ep.	+0.02	+0.5
Mean		+0.031	+0.66

ω Piscium

$\alpha = 23^h\ 54^m\ 10^s.682$
$\delta = +6^\circ\ 18'\ 33''.67$

1912		s	″
July 15	P.	+0.07	+0.3
Aug. 1	P.	+0.09	−0.1
Oct. 7	P.	+0.01	+0.6
Nov. 4	M.	+0.02	−0.2
17	P.	+0.01	+0.3
18	M.	+0.01	+0.3
19	Ep.	+0.02	−0.2
22	P.	+0.02	+0.3
25	M.	+0.04	+0.9
Dec. 9	M.	−0.01	+0.6
15	P.	−0.01	−0.5
16	P.	+0.01	+0.5
24	P.	+0.03	+0.5
28	Ep.	+0.01	−0.3
1913			
Jan. 4	P.	+0.06	−0.4
Mean		+0.025	+0.17

CATALOGUE.

[The positions are for the epochs of column Mean Date and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Magnitude.	Right Ascension 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
			h m s	s	s	s	° ′ ″	″	″	″		1910+
1	α Andromedæ	2.2	0 3 13.122	+ 3.0825	+ 0.0184	+0.0106	+28 32 16.44	+20.045	−0.015	−0.161	14	2.85
2	γ Pegasi	2.9	0 8 5.123	3.0846	+ 0.0102	0.0000	+14 37 39.79	20.034	−0.024	−0.013	14	2.84
3	ι Ceti	3.8	0 14 19.967	3.0585	− 0.0022	−0.0012	− 9 22 41.41	20.008	−0.036	−0.032	11	2.83
4	12 Ceti	6.0	0 24 56.112	3.0609	+ 0.0009	+0.0005	− 4 30 35.05	19.928	−0.057	−0.007	1	2.58
5	β Ceti	2.2	0 38 34.428	+ 2.9973	− 0.0053	+0.0160	−18 32 7.07	+19.764	−0.082	+0.039	16	2.82
6	ζ Andromedæ	4.3	0 42 2.047	+ 3.1795	+ 0.0180	−0.0074	+23 43 23.06	+19.711	−0.093	−0.080	7	2.61
7	ε Piscium	4.4	0 57 45.051	3.1153	+ 0.0088	−0.0054	+ 7 21 7.19	19.414	−0.122	+0.028	9	2.61
8	β Andromedæ	2.4	1 4 7.960	3.3317	+ 0.0288	+0.0149	+35 5 24.55	19.267	−0.142	−0.115	10 11	2.90 2.90
9	θ Ceti	3.8	1 19 1.410	3.0032	+ 0.0019	−0.0054	− 8 42 0.09	18.867	−0.156	−0.213	35 36	2.87 2.87
10	α Ursæ Minoris	2.1	1 22 35.78	+25.084	+20.013	+0.138	+88 46 26.98	+18.760	−1.296	+0.001	29	2.88
11	α Ursæ Minoris s. p.	2.1	1 22 35.52	+25.084	+20.013	+0.138	+88 46 26.41	+18.760	−1.296	+0.001	41 38	2.91 2.98
12	η Piscium	3.7	1 26 7.870	3.2022	+ 0.0142	+0.0020	+14 49 49.89	18.648	−0.179	−0.010	8	2.81
13	ν Piscium	4.7	1 36 13.541	3.1198	+ 0.0091	−0.0014	+ 4 58 54.66	18.306	−0.193	+0.001	7	2.62
14	ο Piscium	4.5	1 40 6.767	3.1584	+ 0.0111	+0.0046	+ 8 39 17.58	18.164	−0.203	+0.051	10	2.65
15	β Arietis	2.7	1 49 6.947	+ 3.2992	+ 0.0183	+0.0068	+20 19 8.46	+17.817	−0.228	−0.111	20 21	2.86 2.86
16	α Arietis	2.2	2 1 32.221	+ 3.3591	+ 0.0204	+0.0137	+22 59 21.43	+17.294	−0.255	−0.146	23 24	2.88 2.88
17	β Trianguli	3.1	2 3 35.557	3.5443	+ 0.0304	+0.0123	+34 30 51.37	17.202	−0.273	−0.046	8	3.03
18	ξ² Ceti	4.3	2 22 50.454	3.1821	+ 0.0116	+0.0026	+ 8 0 43.43	16.278	−0.278	−0.004	3	2.73
19	δ Ceti	4.0	2 34 21.354	3.0708	+ 0.0082	+0.0007	− 0 6 9.40	15.669	−0.286	+0.001	18	2.96
20	μ Ceti	4.4	2 39 32.299	+ 3.2187	+ 0.0125	+0.0190	+ 9 41 31.09	+15.383	−0.308	−0.027	2	2.66
21	η Eridani	4.0	2 51 32.527	+ 2.9235	+ 0.0052	+0.0054	− 9 17 47.86	+14.689	−0.296	−0.215	4	2.70
22	α Ceti	2.8	2 57 3.053	3.1326	+ 0.0097	−0.0009	+ 3 41 50.90	14.356	−0.325	−0.077	18	2.90
23	δ Arietis	4.5	3 5 54.684	3.4126	+ 0.0170	+0.0107	+19 20 55.13	13.805	−0.367	−0.006	6	2.74
24	ο Tauri	3.8	3 19 25.759	3.2283	+ 0.0114	−0.0045	+ 8 40 37.01	12.924	−0.366	−0.078	21	2.95
25	*f* Tauri	4.3	3 25 21.055	+ 3.3055	+ 0.0129	+0.0012	+12 35 39.71	+12.524	−0.382	−0.004	5	2.73
26	ε Eridani	3.8	3 28 12.297	+ 2.8904	+ 0.0054	−0.0657	− 9 47 46.94	+12.327	−0.338	+0.013	5	2.71
27	η Tauri	3.0	3 41 32.303	3.5574	+ 0.0176	+0.0014	+23 47 46.03	11.388	−0.432	−0.048	19	2.92
28	γ Eridani	3.2	3 53 21.834	2.7931	+ 0.0046	+0.0046	−13 47 35.21	10.522	−0.351	−0.112	15	2.87
29	ν Tauri	3.9	3 57 50.136	3.1875	+ 0.0091	+0.0001	+ 5 42 43.79	10.187	−0.405	−0.007	15	2.88
30	151 H¹. Cephei	6.7	4 5 6.49	+17.301	+ 1.789	+0.015	+85 17 29.62	+ 9.635	−2.216	+0.033	1	3.10
31	151 H¹. Cephei s. p.	6.7	4 5 5.36	+17.301	+ 1.789	+0.015	+85 17 30.72	+ 9.635	−2.216	+0.033	1	3.13
32	ο¹ Eridani	4.1	4 6 58.998	2.9258	+ 0.0058	+0.0006	− 7 5 52.07	9.490	−0.380	+0.081	6	2.71
33	δ Tauri	3.9	4 17 10.070	3.4476	+ 0.0118	+0.0077	+17 18 29.13	8.696	−0.456	−0.033	18	2.87
34	ε Tauri	3.6	4 22 46.665	3.4908	+ 0.0120	+0.0080	+18 57 31.66	8.251	−0.468	−0.038	14	2.83
35	α Tauri	1.1	4 30 10.960	+ 3.4337	+ 0.0104	+0.0048	+16 18 28.23	+ 7.657	−0.466	−0.191	13	2.88
36	τ Tauri	4.3	4 36 14.491	+ 3.5961	+ 0.0120	+0.0004	+22 45 55.14	+ 7.164	−0.493	−0.022	4	2.77
37	ι Aurigæ	2.9	4 50 28.780	3.9009	+ 0.0141	+0.0007	+33 0 28.54	5.988	−0.545	−0.027	6	3.04
38	ι Tauri	4.7	4 57 7.074	3.5777	+ 0.0093	+0.0048	+21 26 50.57	5.432	−0.505	−0.047	5	2.77
39	β Eridani	2.9	5 2 55.870	2.9541	+ 0.0044	−0.0059	− 5 12 56.34	4.940	−0.420	−0.079	6	2.80
40	β Orionis	0.3	5 9 43.906	+ 2.8816	+ 0.0039	+0.0001	− 8 19 0.61	+ 4.362	−0.412	−0.001	10	2.99
41	γ Orionis	1.7	5 19 45.994	+ 3.2167	+ 0.0046	−0.0005	+ 6 15 33.79	+ 3.501	−0.463	−0.019	3	2.78
42	β Tauri	1.8	5 19 58.214	3.7876	+ 0.0079	+0.0024	+28 31 21.51	3.484	−0.545	−0.177	9	3.10
43	δ Orionis	2.5	5 26 53.824	3.0637	+ 0.0037	+0.0001	− 0 22 22.32	2.885	−0.443	−0.003	11	3.03
44	ε Orionis	1.8	5 31 8.339	3.0430	+ 0.0034	0.0000	− 1 15 56.00	2.518	−0.441	−0.002	6	2.78
45	κ Orionis	2.2	5 43 0.782	+ 2.8444	+ 0.0026	+0.0002	− 9 42 17.71	+ 1.484	−0.414	−0.005	3	2.79
46	α Orionis	Var.	5 49 45.475	+ 3.2455	+ 0.0025	+0.0019	+ 7 23 19.09	+ 0.896	−0.473	+0.008	22	2.98
47	ν Orionis	4.4	6 1 51.697	3.4250	+ 0.0015	+0.0006	+14 46 50.69	− 0.163	−0.499	−0.036	1	2.79
48	η Geminorum	Var.	6 8 50.377	3.6265	+ 0.0005	−0.0045	+22 32 9.44	0.773	−0.528	−0.017	6	2.69
49	μ Geminorum	3.2	6 16 54.674	3.6262	− 0.0006	+0.0044	+22 33 52.88	1.478	−0.527	−0.113	25 23	2.98 2.97
50	γ Geminorum	1.9	6 31 56.133	+ 3.4640	− 0.0017	+0.0031	+16 29 5.01	− 2.784	−0.499	−0.047	26 24	2.89 2.91

[The positions are for the epochs of column Mean Date and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Magnitude.	Right Ascension 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.		Mean Date.	
			h m s	s	s	s	° ′ ″	″	″	″			1910+	
51	ε Geminorum	3.2	6 37 46.785	+ 3.6936	− 0.0038	0.0000	+25 13 48.96	− 3.290	−0.530	−0.020	25	20	2.89	2.89
52	ξ Geminorum	3.4	6 39 40.484	3.3764	− 0.0019	−0.0078	+13 0 10.61	3.453	−0.484	−0.201	15	13	2.87	2.86
53	51 H. Cephei s. p	5.3	6 53 43.95	29.705	− 2.616	−0.047	+87 12 19.39	4.657	−4.213	−0.038	1		2.34	
54	ζ Geminorum	Var.	6 58 10.674	3.5616	− 0.0052	−0.0003	+20 43 2.17	5.034	−0.500	−0.008	33	29	2.79	2.85
55	λ Geminorum	3.6	7 12 20.710	+ 3.4540	− 0.0056	−0.0033	+16 43 15.07	− 6.224	−0.476	−0.048	30	26	2.68	2.74
56	ι Geminorum	3.9	7 19 30.850	+ 3.7405	− 0.0104	−0.0086	+27 59 48.11	− 6.817	−0.510	−0.090	31	25	2.72	2.82
57	β Canis Minoris	3.1	7 21 43.619	3.2593	− 0.0042	−0.0034	+ 8 29 27.71	6.998	−0.442	−0.043	14	12	2.65	2.68
58	β Geminorum	1.2	7 39 11.246	3.7247	− 0.0130	−0.0471	+28 16 4.01	8.408	−0.489	−0.058	29	24	2.72	2.82
59	χ Geminorum	5.0	7 57 22.599	3.6937	− 0.0149	−0.0015	+28 4 29.38	9.824	−0.465	−0.052	4	3	2.20	2.22
60	4 B. Ursæ Minoris	7.0	7 58 2.61	+65.529	−32.934	−0.035	+88 55 59.93	− 9.875	−8.309	+0.007	4		3.06	
61	4 B. Ursæ Minoris s. p	7.0	7 58 2.74	+65.529	−32.934	−0.035	+88 55 58.72	− 9.875	−8.309	+0.007	2		2.82	
62	β Cancri	3.8	8 11 5.500	3.2603	− 0.0072	−0.0035	+ 9 29 37.61	10.852	−0.395	−0.054	30	25	2.71	2.77
63	30 Monocerotis	4.0	8 20 39.768	3.0040	− 0.0032	−0.0044	− 3 34 48.23	11.546	−0.353	−0.025	28	24	2.80	2.85
64	η Cancri	5.5	8 26 55.533	3.4788	− 0.0131	−0.0026	+20 46 51.55	11.990	−0.401	−0.054	10	8	2.20	2.23
65	δ Cancri	4.2	8 39 0.167	+ 3.4166	− 0.0125	−0.0012	+18 31 17.12	−12.819	−0.377	−0.239	5		2.21	
66	ε Hydræ	3.5	8 41 28.674	+ 3.1935	− 0.0071	−0.0127	+ 6 47 8.35	−12.985	−0.349	−0.054	19	16	2.78	2.89
67	ζ Hydræ	3.3	8 50 6.393	3.1815	− 0.0071	−0.0069	+ 6 19 35.05	13.550	−0.337	+0.009	24		2.78	
68	α Cancri	4.3	8 53 1.129	3.2836	− 0.0098	+0.0025	+12 14 41.97	13.737	−0.343	−0.039	5	4	2.22	2.26
69	κ Cancri	5.1	9 2 19.869	3.2554	− 0.0094	−0.0013	+11 4 15.17	14.319	−0.326	−0.011	6	5	2.22	2.25
70	θ Hydræ	3.8	9 9 9.813	+ 3.1157	− 0.0057	+0.0087	+ 2 44 7.32	−14.730	−0.302	−0.312	21	20	2.77	2.80
71	40 Lyncis	3.3	9 14 57.646	+ 3.6852	− 0.0266	−0.0176	+34 48 56.59	−15.070	−0.348	+0.010	11		2.85	
72	α Hydræ	2.2	9 22 40.389	2.9499	− 0.0014	−0.0011	− 8 13 29.01	15.506	−0.266	+0.031	13		2.78	
73	1 H. Draconis	4.6	9 22 51.351	8.9222	− 0.7749	−0.0043	+81 46 6.96	15.516	−0.817	−0.025	4		2.88	
74	1 H. Draconis s. p	4.6	9 22 51.109	8.9222	− 0.7749	−0.0043	+81 46 6.04	15.516	−0.817	−0.025	4		2.86	
75	ο Leonis	3.8	9 35 48.704	+ 3.2159	− 0.0092	−0.0098	+10 20 50.66	−16.209	−0.269	−0.039	5		2.26	
76	ε Leonis	3.1	9 40 10.530	+ 3.4170	− 0.0179	−0.0030	+24 14 5.56	−16.430	−0.278	−0.024	16		2.73	
77	μ Leonis	4.1	9 47 4.458	3.4372	− 0.0196	−0.0163	+26 28 40.64	16.769	−0.267	−0.063	6		2.27	
78	π Leonis	4.9	9 54 55.723	3.1763	− 0.0080	−0.0023	+ 8 31 27.19	17.135	−0.233	−0.027	7		2.27	
79	α Leonis	1.3	10 3 2.621	3.2165	− 0.0100	−0.0169	+12 27 22.38	17.493	−0.222	−0.003	13		2.64	
80	ζ Leonis	3.6	10 11 7.775	+ 3.3434	− 0.0174	+0.0016	+23 54 57.06	−17.827	−0.215	−0.015	19	18	2.57	2.58
81	μ Hydræ	4.1	10 21 15.080	+ 2.9088	+ 0.0041	−0.0089	−16 19 33.23	−18.215	−0.169	−0.084	9		2.30	
82	ρ Leonis	3.8	10 27 32.742	3.1632	− 0.0079	−0.0005	+ 9 49 16.88	18.438	−0.173	−0.006	14		2.64	
83	l Leonis	5.3	10 44 0.070	3.1575	− 0.0080	−0.0301	+11 4 27.97	18.955	−0.142	−0.033	5	4	2.26	2.30
84	ν Hydræ	3.3	10 44 41.490	2.9513	+ 0.0053	+0.0065	−15 40 9.94	18.974	−0.131	+0.193	7		2.94	
85	46 Leonis Minoris	3.9	10 47 43.285	+ 3.3600	− 0.0255	+0.0074	+34 45 12.12	−19.058	−0.144	−0.290	1		2.34	
86	χ Leonis	4.7	10 59 51.258	+ 3.1203	− 0.0055	−0.0233	+ 7 52 35.89	−19.360	−0.110	−0.047	7	6	2.26	2.28
87	δ Leonis	2.6	11 8 47.582	3.1864	− 0.0130	+0.0106	+21 4 16.47	19.548	−0.095	−0.145	14	13	2.62	2.66
88	δ Crateris	3.8	11 14 20.320	3.0052	+ 0.0065	−0.0085	−14 14 11.30	19.650	−0.078	+0.195	5		2.32	
89	υ Leonis	4.5	11 31 49.686	3.0716	+ 0.0004	0.0000	− 0 16 17.11	19.896	−0.046	+0.035	8	6	2.28	2.34
90	β Leonis	2.2	11 43 57.109	+ 3.0976	− 0.0072	−0.0342	+15 7 50.55	−19.998	−0.023	−0.123	11	8	2.55	2.61
91	β Virginis	3.8	11 45 29.798	+ 3.0758	− 0.0001	+0.0495	+ 2 19 38.78	−20.007	−0.020	−0.279	12		2.89	
92	ο Virginis	4.2	12 0 6.707	3.0722	− 0.0030	−0.0147	+ 9 17 19.34	20.047	+0.009	+0.038	24	23	2.73	2.76
93	η Virginis	4.0	12 14 47.290	3.0725	+ 0.0028	−0.0041	− 0 6 39.42	20.005	+0.037	−0.025	22	21	2.74	2.77
94	δ Corvi	3.1	12 24 41.133	3.1134	+ 0.0120	−0.0144	−15 57 32.20	19.931	+0.057	−0.143	9		2.37	
95	β Corvi	2.8	12 29 7.970	+ 3.1437	+ 0.0165	0.0000	−22 50 37.07	−19.885	+0.067	−0.061	2		2.36	
96	δ Virginis	3.7	12 50 33.531	+ 3.0522	+ 0.0027	−0.0317	+ 3 56 27.16	−19.561	+0.106	−0.064	21	19	2.74	2.81
97	ε Virginis	3.0	12 57 11.677	3.0052	− 0.0006	−0.0185	+11 29 49.00	19.426	+0.116	+0.017	20	19	2.76	2.74
98	θ Virginis	4.4	13 4 46.213	3.1050	+ 0.0079	−0.0026	− 5 0 18.36	19.252	+0.134	−0.042	8		2.41	
99	43 Comæ Berenices	4.3	13 7 11.643	2.8636	− 0.0078	−0.0604	+28 23 17.89	19.191	+0.129	+0.875	7	5	2.32	2.40
100	α Virginis	1.2	13 19 55.386	+ 3.1581	+ 0.0116	−0.0028	−10 38 21.71	−18.840	+0.165	−0.036	52	47	2.80	2.87
101	ζ Virginis	3.4	13 29 35.576	+ 3.0731	+ 0.0064	−0.0191	− 0 5 3.64	−18.534	+0.179	+0.034	8		2.44	
102	m Virginis	5.2	13 36 21.638	3.1509	+ 0.0108	−0.0069	− 8 11 52.88	18.301	+0.195	+0.036	10	8	2.32	2.37
103	τ Boötis	4.5	13 42 30.144	2.8850	− 0.0006	−0.0340	+17 57 19.84	18.075	+0.190	+0.026	7	6	2.35	2.39
104	η Boötis	2.8	13 49 55.305	2.8612	− 0.0005	−0.0045	+18 53 52.12	17.785	+0.200	−0.367	23		2.93	
105	τ Virginis	4.3	13 56 33.365	+ 3.0493	+ 0.0065	+0.0013	+ 2 1 42.21	−17.510	+0.224	−0.025	8	6	2.32	2.39

[The positions are for the epochs of column Mean Date and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Magnitude.	Right Ascension 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
			h m s	s	s	s	° ′ ″	″	″	″		1910+
106	κ Virginis	4.3	14 7 33.577	+ 3.1944	+ 0.0124	+0.0005	− 9 48 27.40	−17.021	+0.253	+0.130	9 7	2.33 2.39
107	α Boötis	0.2	14 11 4.999	2.8133	+ 0.0003	−0.0781	+19 41 45.66	16.855	+0.230	−2.003	24 22	2.82 2.88
108	λ Boötis	4.3	14 12 34.601	2.3010	− 0.0050	−0.0179	+46 32	......	.....	.....	1 ..	2.45 ....
109	θ Boötis	4.1	14 21 47.138	2.0690	− 0.0025	−0.0260	+52 18	......	.....	.....	2 ..	2.44 ....
110	ρ Boötis	3.8	14 27 31.084	+ 2.5940	− 0.0015	−0.0078	+30 48 39.17	−16.035	+0.234	+0.110	19	3.09
111	33 Boötis	5.4	14 35 6.775	+ 2.2401	− 0.0022	−0.0069	+44 50	......	.....	.....	1 ..	2.44 ....
112	ε Boötis	2.7	14 40 37.118	2.6238	+ 0.0001	−0.0036	+27 29 45.37	−15.322	+0.253	+0.008	24 25	2.91 2.88
113	α Libræ	2.9	14 45 20.589	3.3192	+ 0.0155	−0.0074	−15 37 35.03	15.052	+0.326	−0.076	29 28	2.89 2.91
114	ψ Boötis	4.7	15 0 9.426	+ 2.5834	+ 0.0011	−0.0133	+27 20 15.40	14.165	+0.273	−0.020	15	2.42
115	57 B. Ursæ Minoris	7.2	15 9 20.52	−20.551	+ 7.012	−0.008	+87 37 4.12	−13.586	−2.198	+0.019	6	3.01
116	57 B. Ursæ Minoris s. p.	7.2	15 9 20.12	−20.551	+ 7.012	−0.008	+87 37 4.13	−13.586	−2.198	+0.019	7	3.00
117	β Libræ	2.7	15 11 37.386	+ 3.2297	+ 0.0118	−0.0067	− 9 0 49.89	13.438	+0.355	−0.030	25 24	2.62 2.64
118	α Coronæ Borealis	2.3	15 30 27.317	2.5301	+ 0.0024	+0.0090	+27 3 3.55	12.172	+0.298	−0.102	23	2.64
119	α Serpentis	2.8	15 39 20.603	2.9432	+ 0.0062	+0.0090	+ 6 44 25.64	11.546	+0.356	+0.038	22 20	2.55 2.59
120	β Serpentis	3.7	15 41 34.328	+ 2.7624	+ 0.0042	+0.0049	+15 44 4.76	−11.385	+0.336	−0.057	13 12	2.45 2.46
121	ε Serpentis	3.8	15 45 49.931	+ 2.9792	+ 0.0066	+0.0083	+ 4 46 44.23	−11.077	+0.367	+0.057	11 10	2.46 2.47
122	δ Scorpii	2.5	15 54 25.126	3.5411	+ 0.0158	−0.0009	−22 20 13.57	10.443	+0.445	−0.039	3	3.15
123	β^1 Scorpii	2.9	15 59 37.249	3.4825	+ 0.0141	−0.0008	−19 31 53.89	10.052	+0.444	−0.029	4	2.95
124	φ Herculis	4.3	16 5 37.075	1.8908	+ 0.0045	−0.0021	+45 11	......	.....	.....	2 ..	2.52 ....
125	δ Ophiuchi	3.0	16 9 6.199	+ 3.1434	+ 0.0080	−0.0033	− 3 26 14.19	− 9.326	+0.410	−0.153	14	2.64
126	ε Ophiuchi	3.3	16 13 1.815	+ 3.1652	+ 0.0082	+0.0053	− 4 26 54.60	− 9.021	+0.416	+0.032	13 11	2.43 2.43
127	τ Herculis	3.9	16 16 44.027	1.8023	+ 0.0048	−0.0012	+46 33	......	.....	.....	2 ..	2.52 ....
128	α Scorpii	1.2	16 23 16.473	3.6725	+ 0.0148	−0.0005	−26 12 36.17	8.212	+0.492	−0.033	15 14	2.53 2.55
129	β Herculis	2.8	16 25 55.134	2.5845	+ 0.0036	−0.0075	+21 42 27.09	− 8.000	+0.349	−0.024	10	2.65
130	σ Herculis	4.2	16 30 52.672	+ 1.9334	+ 0.0042	−0.0010	+42 38	......	.....	.....	1 ..	2.48 ....
131	ζ Ophiuchi	2.7	16 31 39.092	+ 3.2988	+ 0.0086	+0.0008	−10 21 51.76	− 7.538	+0.449	+0.017	10 10	2.37 2.36
132	114 B. Draconis	4.9	16 43 23.908	1.1312	+ 0.0107	+0.0033	+56 57	......	.....	.....	1 ..	2.48 ....
133	κ Ophiuchi	3.4	16 52 55.816	2.8575	+ 0.0043	−0.0199	+ 9 31 49.83	5.783	+0.402	−0.014	20 21	2.53 2.52
134	ε Herculis	3.9	16 56 27.664	2.2977	+ 0.0032	−0.0036	+31 4 26.20	5.487	+0.325	+0.021	1	2.20
135	η Ophiuchi	2.6	17 4 38.564	+ 3.4347	+ 0.0072	+0.0025	−15 36 2.55	− 4.795	+0.488	+0.086	21 21	2.36 2.35
136	α Herculis	Var.	17 10 5.227	+ 2.7348	+ 0.0034	−0.0008	+14 30 16.45	− 4.331	+0.391	+0.027	26 25	2.43 2.43
137	α Ophiuchi	2.1	17 30 17.622	2.7753	+ 0.0030	+0.0080	+12 37 55.37	2.591	+0.402	−0.235	32	2.43
138	ι Herculis	3.8	17 36 38.432	1.6927	+ 0.0034	−0.0008	+46 3	......	.....	.....	1 ..	2.53 ....
139	β Ophiuchi	2.9	17 38 31.876	2.9651	+ 0.0029	−0.0028	+ 4 36 34.93	1.875	+0.431	+0.152	30	2.48
140	μ Herculis	3.5	17 42 32.350	+ 2.3704	+ 0.0025	−0.0244	+27 46 36.33	− 1.525	+0.345	−0.750	26 27	2.49 2.48
141	γ Draconis	2.4	17 54 16.908	+ 1.3927	+ 0.0030	−0.0009	+51 30	......	.....	.....	1 ..	2.53 ....
142	72 Ophiuchi	3.7	18 2 36.457	+ 2.8475	+ 0.0019	−0.0042	+ 9 32 59.58	+ 0.228	+0.415	+0.082	15 14	2.42 2.42
143	δ Ursæ Minoris	4.4	18 4 33.08	−19.507	− 0.125	+0.021	+86 36 48.82	0.398	−2.844	+0.048	3	2.26
144	δ Ursæ Minoris s. p.	4.4	18 4 32.81	−19.507	− 0.125	+0.021	+86 36 48.28	0.398	−2.844	+0.048	7	2.70
145	μ Sagittarii	4.0	18 7 47.018	+ 3.5873	+ 0.0007	+0.0003	−21 5 5.76	+ 0.681	+0.522	−0.005	1	2.55
146	η Serpentis	3.4	18 16 7.652	+ 3.1404	+ 0.0008	−0.0376	− 2 55 37.58	+ 1.410	+0.456	−0.699	23 22	2.44 2.45
147	109 Herculis	3.9	18 19 26.336	2.5418	+ 0.0017	+0.0138	+21 43 24.59	1.698	+0.368	−0.261	20 18	2.47 2.49
148	λ Sagittarii	2.9	18 21 47.930	3.7063	− 0.0015	−0.0035	−25 28 38.46	1.904	+0.537	−0.191	1	2.38
149	110 Herculis	4.3	18 41 21.455	2.5821	+ 0.0012	−0.0015	+20 26 58.16	3.598	+0.369	−0.344	23 22	2.58 2.59
150	β Lyræ	Var.	18 46 23.253	+ 2.2141	+ 0.0014	+0.0003	+33 14 47.32	+ 4.030	+0.314	−0.007	2	2.56
151	σ Sagittarii	2.1	18 49 3.941	+ 3.7212	− 0.0056	+0.0006	−26 25 15.49	+ 4.259	+0.528	−0.066	1	2.58
152	*R* Lyræ	Var.	18 52 17.577	1.8233	+ 0.0007	+0.0026	+43 48	......	.....	.....	1 ..	2.57 ....
153	ε Aquilæ	4.2	18 55 4.963	2.7262	+ 0.0005	−0.0044	+14 55 56.23	4.772	+0.384	−0.077	27	2.59
154	ζ Aquilæ	3.0	19 0 48.807	+ 2.7576	+ 0.0002	−0.0006	+13 42 52.20	5.257	+0.386	−0.102	24 22	2.63 2.62
155	*d* Sagittarii	5.0	19 11	....	....	......	−19 7 50.51	+ 6.177	+0.485	−0.019	.. 1	.... 2.64
156	κ Cygni	4.0	19 14 47.541	+ 1.3811	− 0.0026	+0.0071	+53 11	......	.....	.....	1 ..	2.57 ....
157	δ Aquilæ	3.4	19 20 27.594	+ 3.0084	− 0.0018	+0.0169	+ 2 54 56.85	+ 6.894	+0.409	+0.077	30 31	2.64 2.64
158	λ Ursæ Minoris s. p.	6.6	19 22 27.34	−67.718	−26.807	−0.103	+88 59 16.41	7.060	−9.250	+0.011	1	3.24
159	β Cygni	3.2	19 26 41.302	+ 2.4189	+ 0.0010	−0.0002	+27 44 59.15	7.403	+0.324	−0.009	25	2.62
160	γ Aquilæ	2.8	19 41 30.341	+ 2.8514	− 0.0011	+0.0009	+10 22 10.77	+ 8.591	+0.372	−0.004	33	2.59

[The positions are for the epochs of column Mean Date and are referred to the mean equator and equinox 1900.0.]

No.	Name.	Magnitude.	Right Ascension 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Declination 1900.0	Annual Precession 1900.0	Secular Variation 1900.0	Annual Proper Motion.	Number of Observations.	Mean Date.
			h m s	s	s	s	° ′ ″	″	″	″		1910+
161	δ Cygni	3.0	19 41 50.952	+ 1.8705	+ 0.0001	+0.0050	+44 53	......	.....	.....	1 ..	2.54 ....
162	α Aquilæ	0.9	19 45 54.729	2.8913	− 0.0014	+0.0361	+ 8 36 20.56	+ 8.937	+0.374	+0.380	27	2.56
163	β Aquilæ	3.9	19 50 24.106	2.9446	− 0.0020	+0.0023	+ 6 9 19.39	9.288	+0.377	−0.483	22	2.56
164	γ Sagittæ	3.7	19 54 18.651	2.6632	+ 0.0003	+0.0042	+19 13 14.57	9.589	+0.337	+0.016	25	2.54
165	θ Aquilæ	3.4	20 6 8.781	+ 3.0946	− 0.0043	+0.0021	− 1 7 4.72	+10.485	+0.380	+0.003	22 21	2.52 2.52
166	o¹ Cygni	4.0	20 10 28.938	+ 1.8887	+ 0.0003	+0.0014	+46 26	......	.....	.....	3 ..	2.51 ....
167	α² Capricorni	3.8	20 12 30.465	3.3278	− 0.0085	+0.0040	−12 51 16.56	+10.956	+0.402	+0.005	10 9	2.48 2.48
168	ε Delphini	4.0	20 28 26.133	2.8659	− 0.0013	+0.0006	+10 57 48.29	12.095	+0.328	−0.026	19	2.60
169	α Delphini	3.9	20 34 59.642	2.7821	− 0.0001	+0.0044	+15 33 33.87	+12.547	+0.311	−0.008	19	2.63
170	α Cygni	1.3	20 38 1.384	+ 2.0440	+ 0.0022	0.0000	+44 55	......	.....	.....	2 ..	2.49 ....
171	ε Cygni	2.6	20 42 10.213	+ 2.3977	+ 0.0030	+0.0288	+33 35 48.57	+13.030	+0.260	+0.322	5	2.86
172	μ Aquarii	4.8	20 47 15.693	+ 3.2365	− 0.0083	+0.0025	− 9 21 30.68	13.366	+0.346	−0.035	17	2.52
173	76 Draconis	5.7	20 49 50.766	− 4.0892	− 0.5377	+0.0163	+82 9 40.23	13.533	−0.445	+0.026	1	2.83
174	76 Draconis S. P.	5.7	20 49 50.856	− 4.0892	− 0.5377	+0.0163	+82 9	......	.....	.....	1 ..	2.84 ....
175	32 Vulpeculæ	5.2	20 50 17.841	+ 2.5561	+ 0.0026	−0.0007	+27 40 38.32	+13.563	+0.269	−0.002	13	2.52
176	ζ Cygni	3.4	21 8 40.770	+ 2.5516	+ 0.0039	−0.0002	+29 48 59.75	+14.702	+0.247	−0.059	19	2.69
177	β Aquarii	3.1	21 26 17.738	3.1598	− 0.0071	+0.0010	− 6 0 39.64	15.705	+0.280	−0.007	16	2.66
178	ε Pegasi	2.5	21 39 16.506	2.9446	− 0.0005	+0.0017	+ 9 24 59.87	16.385	+0.240	−0.001	16	2.71
179	16 Pegasi	5.0	21 48 30.659	2.7271	+ 0.0054	+0.0001	+25 27 16.82	16.837	+0.209	+0.001	7	2.61
180	α Aquarii	3.2	22 0 38.895	+ 3.0817	− 0.0041	+0.0009	− 0 48 19.86	+17.389	+0.216	−0.006	12	2.74
181	θ Pegasi	3.7	22 5 9.553	+ 3.0082	− 0.0011	+0.0184	+ 5 42 21.88	+17.582	+0.203	+0.034	8	2.63
182	θ Aquarii	4.3	22 11 33.524	3.1610	− 0.0075	+0.0074	− 8 16 52.11	17.844	+0.202	−0.019	6	2.57
183	γ Aquarii	4.0	22 16 29.600	3.0916	− 0.0041	+0.0082	− 1 53 27.96	18.037	+0.189	+0.009	11	2.78
184	3 Lacertæ	4.6	22 19 37.540	2.3540	+ 0.0154	−0.0016	+51 43 38.43	18.155	+0.138	−0.190	3 2	2.51 2.52
185	7 Lacertæ	3.8	22 27 10.389	+ 2.4498	+ 0.0168	+0.0145	+49 46 6.26	+18.425	+0.133	+0.013	3 2	2.51 2.52
186	η Aquarii	4.1	22 30 13.153	+ 3.0780	− 0.0030	+0.0060	− 0 37 58.54	+18.528	+0.164	−0.054	6 5	2.58 2.60
187	ζ Pegasi	3.6	22 36 28.510	2.9857	+ 0.0024	+0.0052	+10 18 33.78	18.730	+0.147	−0.012	14 12	2.76 2.78
188	η Pegasi	3.1	22 38 18.791	2.8064	+ 0.0110	+0.0008	+29 41 53.64	18.787	+0.135	−0.035	9 8	2.74 2.77
189	λ Pegasi	4.1	22 41 42.842	2.8819	+ 0.0084	+0.0042	+23 2 22.00	18.889	+0.133	−0.014	6 5	2.55 2.56
190	λ Aquarii	3.8	22 47 23.868	+ 3.1317	− 0.0062	+0.0003	− 8 6 41.07	+19.049	+0.134	+0.036	5	2.56
191	α Pegasi	2.6	22 59 46.779	+ 2.9815	+ 0.0058	+0.0040	+14 40 1.69	+19.359	+0.105	−0.045	16	2.74
192	γ Piscium	3.8	23 11 59.529	3.0591	+ 0.0006	+0.0502	+ 2 44 10.01	19.608	+0.084	+0.019	12	2.81
193	κ Piscium	4.9	23 21 48.419	+ 3.0696	+ 0.0001	+0.0057	+ 0 42 28.83	19.769	+0.066	−0.090	4 3	2.63 2.62
194	39 H. Cephei S. P.	5.6	23 27 50.34	− 0.230	− 0.598	+0.095	+86 45 21.01	19.849	−0.013	+0.018	1	3.30
195	ι Piscium	4.3	23 34 48.690	+ 3.0593	+ 0.0031	+0.0248	+ 5 4 58.43	19.926	+0.040	−0.439	11	2.88
196	ω Piscium	4.0	23 54 10.655	+ 3.0686	+ 0.0049	+0.0101	+ 6 18 33.84	+20.040	+0.003	−0.109	15	2.87

APPENDIX.

DETERMINATION
OF THE
DIFFERENCE OF LONGITUDE
BETWEEN
WASHINGTON AND PARIS
1913-1914.

REDUCED UNDER THE DIRECTION OF

F. B. LITTELL AND G. A. HILL.

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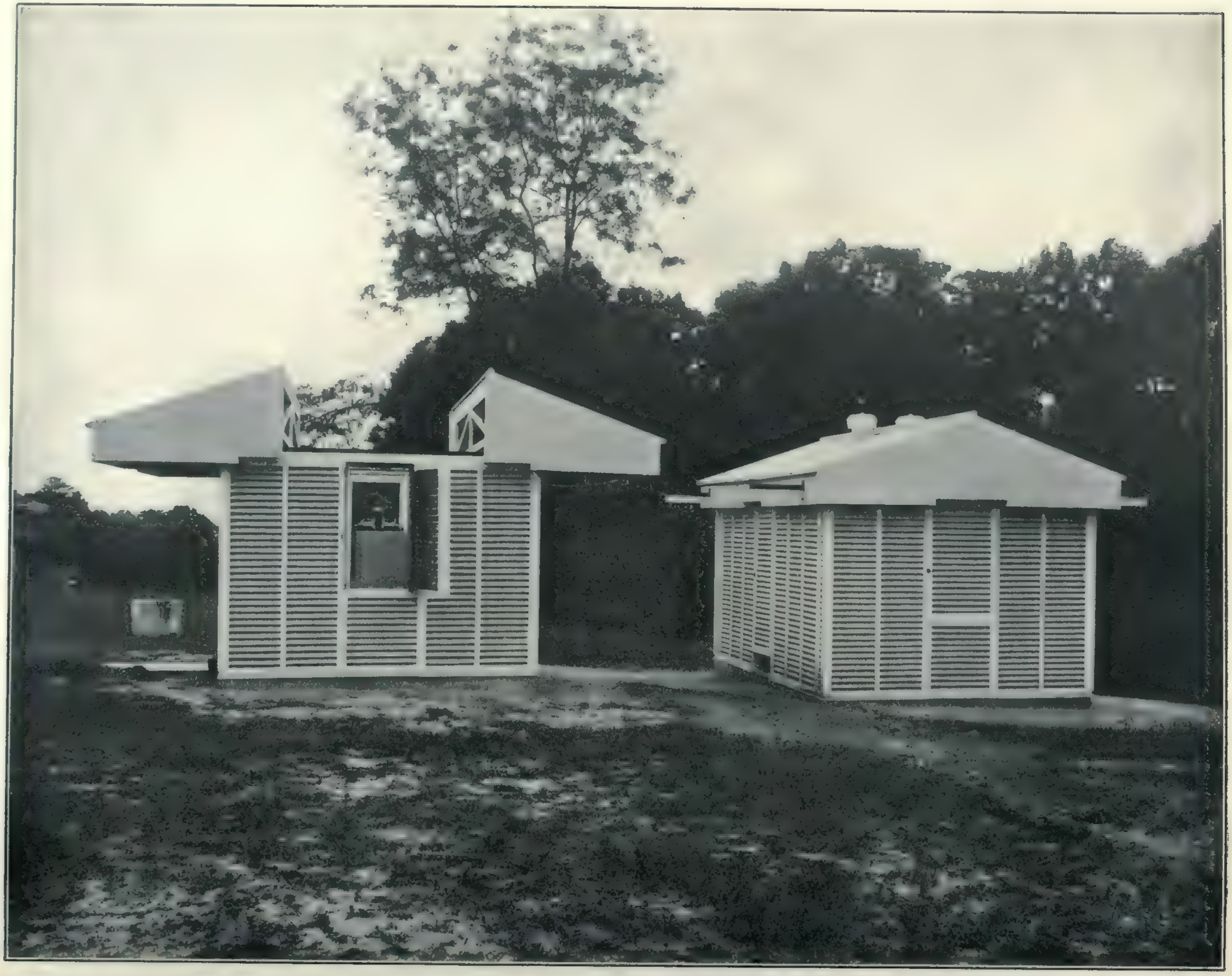
PREFACE.

The proposal to determine directly the difference of longitude between Washington and Paris by means of radio signals was made in 1912 by Capt. J. L. Jayne, U. S. N., then superintendent of the U. S. Naval Observatory, and the work was made possible by the cordial cooperation of the Navy Department, the superintendent of the Naval Radio Service, the U. S. Naval Attaché at Paris, and officials of the French Government.

J. A. Hoogewerff,
Captain, U. S. N., Superintendent.

February, 1916.



OBSERVING HOUSES AT WASHINGTON.

DETERMINATION OF THE DIFFERENCE OF LONGITUDE BETWEEN WASHINGTON AND PARIS.

The first proposal to determine the difference of longitude between the United States Naval Observatory and the Paris Observatory by the use of radio signals from the naval radio station at Radio, Va., and from the Eiffel Tower radio station in Paris was made by Capt. J. L. Jayne, United States Navy, in the following letter addressed to the Navy Department:

United States Naval Observatory,
Washington, D. C., September 25, 1912.

From: Superintendent.
To: Navy Department (via Bureau of Navigation).
Subject: Direct determination of difference of longitude between United States Naval Observatory, Washington, D. C., and the Paris Observatory by means of radio telegraphy.

1. Previous to 1866 the important matter of differences of longitude between American and European stations depended upon observations of moon culminations, occultations, and chronometric expeditions. After the laying of the telegraph cable under the Atlantic Ocean, the longitude determinations were made by means of its use. Four such determinations have been made, three by the United States Coast and Geodetic Survey, in 1866, 1870, and 1872, between Cambridge, Mass., and Greenwich, England, and one by the cooperation of Canadian and English astronomers between Montreal, Canada, and Greenwich, England. In each case there were several intermediate stations.

2. The longitude of the United States Naval Observatory referred to Greenwich or Paris has never been directly determined, and is known only through connections with the above mentioned determinations of trans-Atlantic longitudes.

3. In view of the fact that the radio station at Arlington will soon be in operation, probably affording direct communication with the Eiffel Tower station at Paris, I consider it a matter of importance that the opportunity should be utilized at the earliest possible time to secure a direct determination of the difference of longitude between the national observatories at Washington and Paris. This will be the first time that such a direct determination without intermediate stations will be possible, and this will be one of the most important uses, scientifically, to which the radio signals can be applied.

4. It is recommended that the representative of the Navy Department at the conference on radio time signals to be held in Paris October 15, 1912, be directed to confer with the authorities of the Paris Observatory with the view of entering into a plan for the determination of the difference of longitude between the Paris and Washington observatories, at as early a date as is practicable.

J. L. Jayne.

PRELIMINARY LONGITUDE WORK.

A translation of this letter was read by Commander H. H. Hough, United States Navy, at one of the meetings of the Conférence Internationale de l'Heure held at Paris in October, 1912. The United States was represented at this Conférence by Commander Hough and Prof. Asaph Hall, United States Navy. The proposal to determine the difference of longitude between the two observatories by radio signals was presented by Commander Hough to the Bureau des Longitudes and to the

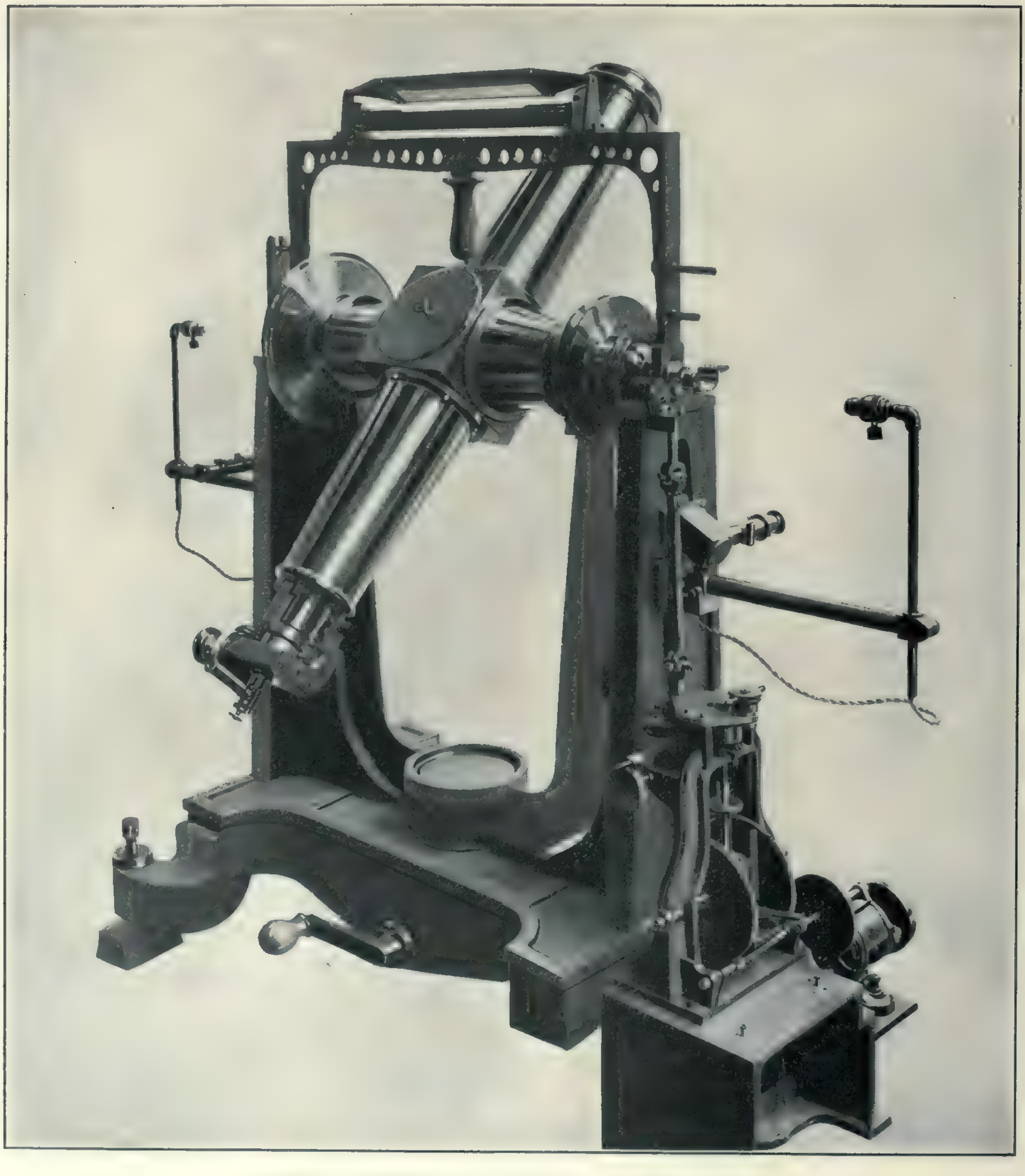
Observatoire de Paris, and having been favorably acted upon by the French authorities, arrangements were made by them for a preliminary campaign. The methods adopted were those developed and employed by the French, and described in "Détermination par la Télégraphique sans Fils de la Différence de Longitude entre Paris et Bizerte, par MM. Lancelin et Tsatsopoulos, sous la direction de M. H. Renan," and other publications.

As in their previous determinations they had not used the method over a distance exceeding 960 miles, which is the distance from Paris to Bizerte, and as the distance from Washington to Paris is 3,840 miles, it was considered desirable to make some preliminary experiments in order to ascertain whether the methods would meet the requirements involved in the determination of the difference of longitude over so great a distance. Therefore the French organized a preliminary expedition and sent over a party in March, 1913, to occupy the Washington station for this purpose. The party consisted of Hydrographic Engineer-in-Chief L. DRIENCOURT, French Navy, Commandant G. FERRIÉ, French Army, Capt. LÉVESQUE, French Army, Lieut. C. GIGNON, French Navy, and Prof. H. ABRAHAM, of the faculty of sciences of the University of Paris. At the same time the United States was represented in Paris by Commander HOUGH and Prof. HALL. The French party was equipped with astrolabes as developed and perfected by Messrs. CLAUDE and DRIENCOURT for the determination of time, and with the necessary auxiliary apparatus for the emission of the radio signals and for their reception by ear and by photography. Prof. ABRAHAM was especially in charge of the work that pertained to the photographic registration of the signals.

Although it was then very late in the season for successful radio transmission over so great a distance, the observers succeeded in securing a sufficient number of radio clock comparisons on two nights to convince them that the radio method would be entirely practicable at a more favorable season of the year, and to give a good approximate value of the difference of longitude between the stations occupied. The astronomical station occupied in Paris for this preliminary work was in the Champ de Mars and on this side the astronomical station was near the radio station at Radio, Va. No astronomical determination of the difference of longitude between the station occupied at Radio and the Naval Observatory has been made. The United States Coast and Geodetic Survey has connected the stations by triangulation, but the deflection of the vertical is somewhat irregular in this region, so that the results of the preliminary work can not be satisfactorily compared with those from the definitive work until a determination of the astronomical difference of longitude between these stations shall have been made. For a report of the results obtained by the French on this preliminary expedition, which should be regarded as a reconnaissance preliminary to the more extensive work of the following season, see Comptes Rendus de l'Académie des Sciences, July 21, 1913.

PREPARATIONS FOR THE DEFINITIVE LONGITUDE WORK.

As warm weather is unfavorable for transmitting radio signals to great distances, it was planned to begin the definitive operations as early as possible in the fall of 1913. For the use of the American observers, two new transits were ordered



TRANSIT INSTRUMENT MADE BY G. PRIN, PARIS.

from G. PRIN, of Paris. They were to be in all essential features duplicates of those in use by the French observers in the Paris-Bizerte work, and a full description of the type of instrument is given in the report of that work. They were of 3 inches aperture, 33 inches focal length, with self-registering right ascension micrometers driven by small electric motors and controlled by hand, reversible on each star, with hardened steel pivots which bear throughout their whole length, and electric lighting. A meridian mark and a lens of approximately 160 feet focal length was provided with each instrument. One instrument, which is called Prin transit No. 1, was delivered in Washington, and the other, which is called Prin transit No. 2, was delivered in Paris in time for some preliminary practice before work was begun near the end of October, 1913. Director B. BAILLAUD, of the Paris Observatory, also very kindly sent over the instrument, which the French observer was to use in Washington, several months in advance in order that the American observers might familiarize themselves with it by making practice observations.

As it was planned that the work should be done in duplicate by French and American observers working simultaneously, it was necessary to erect two small buildings in the observatory grounds at Washington for the shelter of the instruments. These buildings, which were exactly alike, were side by side, 12 feet apart, and their outside dimensions were 16 feet north and south by 12 feet east and west. The outer walls were made of sheet-iron louver work, and there was a lining of flat sheet iron. Each roof moved off in two sections, one to the east and one to the west. The piers were made of concrete. In addition to those for the transit instruments, others were provided for the long-focus lenses and for the meridian marks. The latter, which were to the northward, were housed in small shelters of sheet-iron louver work. The line of sight to the meridian mark for the east instrument was inclined upward at an angle of 1°.2 and that for the west instrument was inclined upward 1°.7. The east house was used by the French and the west house by the American observers. At Paris there were two observing houses in the grounds of the Paris Observatory which were assigned to the two instruments at that station. Each was provided with a meridian mark to the southward and in the horizontal plane.

Capt. W. H. G. BULLARD, United States Navy, Superintendent Naval Radio Service, and his staff, cooperated heartily in making the necessary arrangements for the emission and reception of signals at Radio, Va., and in securing the minimum of interference from other radio stations.

At Paris the American longitude parties were under the direction of the naval attaché, Commander H. H. HOUGH, United States Navy, to whose energy and address the success of the preliminary arrangements is largely due. In February, 1914, Commander HOUGH was relieved by Lieut. Commander S. I. M. MAJOR, United States Navy. Director B. BAILLAUD and the staff of the Paris Observatory and Commandant G. FERRIÉ and the staff of the Eiffel Tower radio station made every effort to perfect the arrangements in Paris, and their cordial cooperation is acknowledged with profound gratitude.

The American observers connected with the work were, for the first period at Washington, Prof. F. B. LITTELL, United States Navy, and Lieut. W. T. MALLISON, United States Navy, astronomical observers, and Ensigns H. E. Saunders and R. A. Lavender, United States Navy, radio observers; and at Paris, Assistant Astronomer G. A. Hill and Lieut. C. W. Magruder, United States Navy, astronomical observers, and Lieut. R. B. Coffman and Ensign G. S. Gillespie, United States Navy, radio observers. For the second period the observers interchanged stations, the astronomical observers taking their transit instruments with them.

The French observers for the first period at Washington were Astronomer M. Simonin, of the Paris Observatory, astronomical observer, Lieut. C. Gignon, of the French Navy (temporary) and Capt. A. Carrier, of the French Army, radio observers, and Prof. H. Abraham, of the University of Paris, photographic observer; and at Paris, Astronomer E. Viennet, of the Paris Observatory, astronomical observer, Ensign P. Auverny, of the French Navy, radio observer, and M. Beauvais, photographic observer. For the second period the astronomical and radio observers interchanged stations.

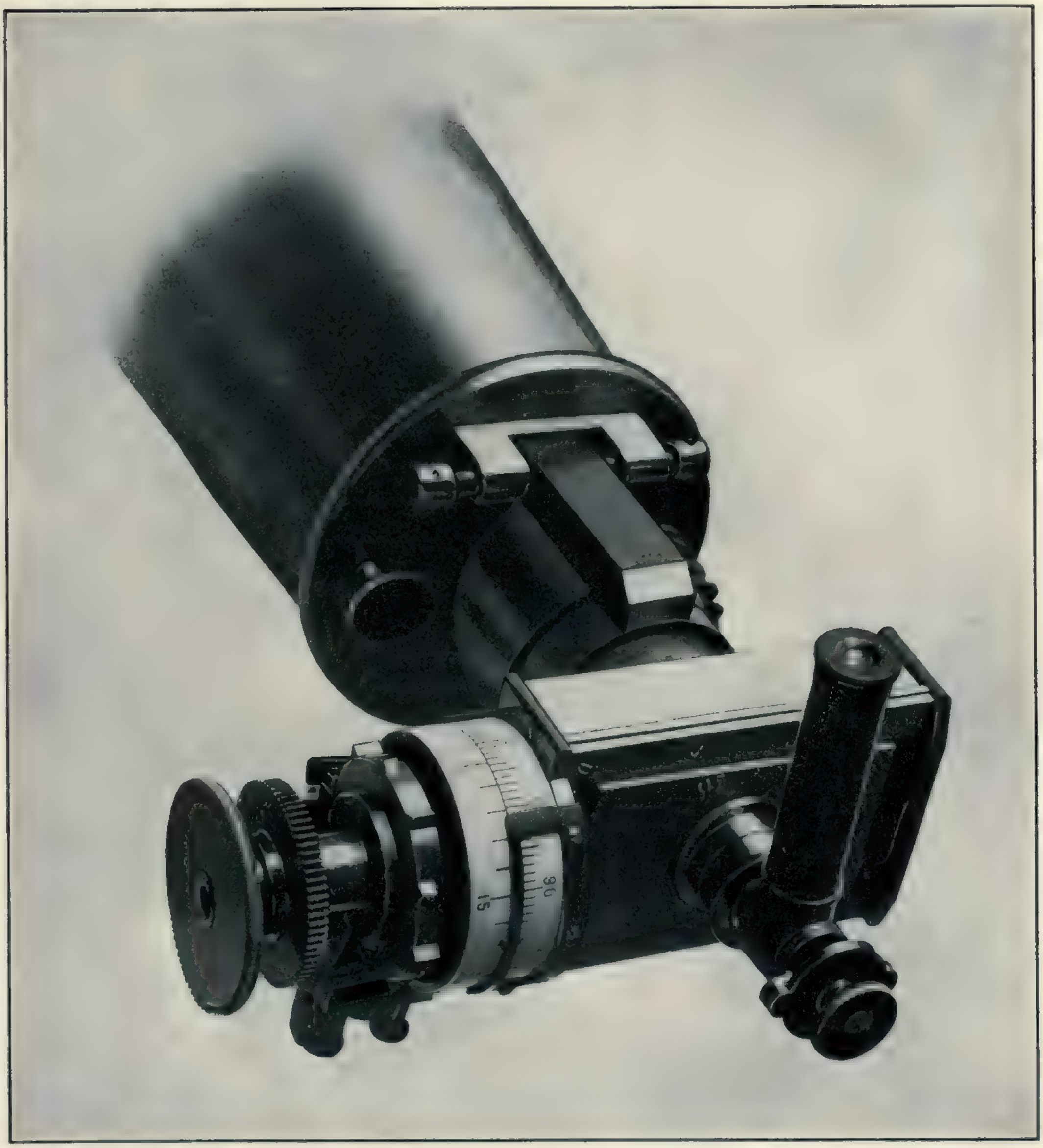
THE ASTRONOMICAL PROGRAM.

The astronomical program was to observe from 7.30 p. m. to 1.30 a. m., local mean time at both Washington and Paris. Each star was observed with instrument direct and reversed and the effects of collimation error and error due to inequality of pivots were thus immediately eliminated. A small correction always positive in sign and dependent upon the duration of the right ascension micrometer signals was determined and applied. The level correction was determined by the striding spirit level between every two star observations, and the azimuth correction by means of readings on the meridian marks which were also made between every two star observations. With this program about five clock stars per hour could be observed. When possible, three or four azimuth stars were observed each night for the determination of the azimuths of the marks. The observing list for each station was made up so that in any period of three hours the stars were fairly well balanced as to the zenith. Nearly all the stars north of the Washington zenith and south of the Paris zenith were common to both observing lists. The two astronomical observers of each party were to alternate in observing the first and last half of the evening.

THE RIGHT ASCENSION MICROMETER SCREWS.

By the method of observing all errors of the micrometer screws were eliminated from the transit observations, therefore no examination of the screws has been made, except the determination of the general value of a revolution for use in deducing the azimuths of the instruments from measures on the meridian marks and for deducing the corrections for duration of the contacts. The value of one revolution of the micrometer screw for transit No. 1 was determined from the observations of 13 transits of stars between declination +82° and declination +89° and for transit No. 2 from the observations of 23 transits of stars between declination +53° and declination +87°. The resulting values are as follows:

Transit No. 1 ...... one revolution $= 7^{s}.9248 \pm 0^{s}.0011$
Transit No. 2 ...... one revolution $= 7^{s}.9178 \pm 0^{s}.0021$



RIGHT ASCENSION MICROMETER OF TRANSIT INSTRUMENT.

The micrometers were arranged so as to close an electric contact automatically either 5 or 10 times during each revolution with an extra contact in either case to mark the beginning of the revolution. Every time the contact was closed a signal was recorded on the chronograph. Usually the instruments were arranged to record 10 signals per revolution, and signals were recorded for about two revolutions previous to reversing and for two after reversing. Of these signals only 10 of the first and the corresponding 10 of the second series were read off and used. The recording of the signals was controlled by a small switch on the instrument operated by the observer, and signals were only recorded when the stars were between certain of the fixed threads of the reticle.

THE LEVELS.

Each instrument was furnished with a striding level. The level vials have 100 divisions, each approximately one-twelfth inch long, and have an air chamber for regulating the length of the bubble. The angular value of a division of each was determined by measures on a level trier made by BUFF & BUFF. There was evidence of systematic variation of the radius of curvature of each which caused the values of the divisions to increase from the middle toward each end. However, for the portions of the tubes between divisions 15 and 85, the curvature was fairly constant and care was taken to keep the levels so adjusted that the readings would in general fall within these limits, and also to keep the level of the instruments small so that slight errors in the adopted values of the divisions would have little influence on the clock corrections. The adopted value of one division of each level is as follows:

Transit No. 1......one division $= 0\overset{s}{.}0536$ from 17 sets.
Transit No. 2......one division $= 0\overset{s}{.}0715$ from 10 sets.

For the level of transit No. 1 there was indication in the measures of a slight temperature effect, causing the value of a division to increase $0\overset{s}{.}00012$ for each increase of 1° F. in temperature. The effect of this on the results was found to be negligible and it was disregarded.

After the completion of the work the two levels were compared by measuring the inclinations of the axes of the transit instruments with each alternately, and it was found that the inclinations obtained from the readings of the level of transit No. 2 required a correction of $+0\overset{s}{.}020 \pm 0\overset{s}{.}005$ to reduce them to those obtained by the use of the level of transit No. 1, both levels being in good adjustment in respect to azimuth at the time. No correction for this difference has been applied except in the discussion of systematic corrections.

THE CLOCKS AND THE LAGS OF THE RELAYS.

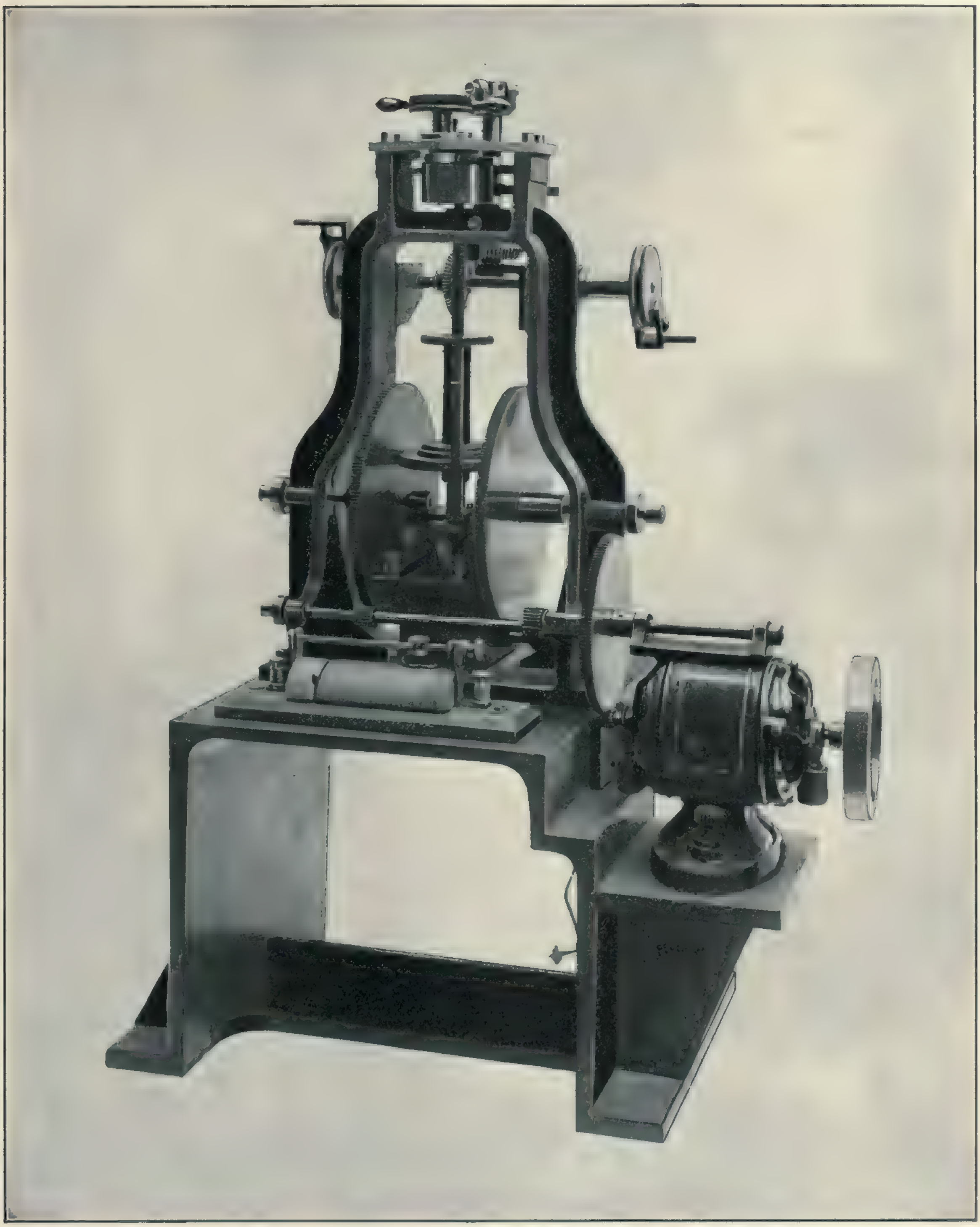
At Washington the RIEFLER standard sidereal observing clock which is situated in a constant temperature vault, and is in an air-tight case under constant pressure, was used. It sends its signals on the even seconds (omitting for identification the signal at the zero second of each minute) to a small break circuit relay which operates a large 7-point break circuit relay which distributes the signals to the various instruments of the observatory. Only one of the seven points being available, it was used to operate a 4-point relay, one of whose points was used to send the clock signals to the radio observers at Radio, Va., one to the French chronograph, and one to the American chronograph. As the French chronograph could operate only on a make circuit, and as the American could operate on either, the circuits were arranged as make circuits. By the above arrangement the 4-point relay became practically the observing clock, and it was only necessary to determine the lag of the point used for the chronograph relative to that used to send signals to the radio observers.

This was done by recording on the chronograph sidereal time signals alternately through the different points, while at the same time mean-time signals were being recorded on the chronograph through an independent circuit. When the French observers arrived in Washington, Prof. ABRAHAM brought with him two galvanometer pen chronographs designed by himself and especially adapted for the recording of such lags, and he very kindly loaned one to the Naval Observatory. It was on the whole more convenient in use than the other arrangement and gave practically the same results with smaller accidental error. From some experimental observations there was indicated a small systematic difference of about $0^s.004$ between the results obtained by the two methods which was attributed by Prof. ABRAHAM to the superior sensitiveness of his chronograph. For a short period at the beginning, the average relative lag between the point used by the radio observers and that used for the American chronograph was $+0^s.010$. The point then in use for the chronograph having been shown by records on the much more sensitive photographic galvanometer chronograph of Prof. ABRAHAM to be defective, the chronograph circuit was changed to the other available point of the relay and after adjustment the lag was found to be very small and remained so throughout the remainder of the work.

In general two measures of the lag were made each night, one before and one after the radio observations. After the installation of the ABRAHAM chronograph the record on the American chronograph was sometimes omitted. While the result from the ABRAHAM chronograph, which was uniformly zero, is given in Table I to the thousandth of a second, it is considered possible that a lag of a few thousandths of a second might, under certain circumstances, have escaped detection in the record of this instrument.

In connection with the lags the interval of time from the closing of the contact at the observatory to the reception of the signal in the telephone receiver at Radio was measured by the American radio observers and by Prof. ABRAHAM and was found to be negligible.

Table I gives the observed and adopted values of the lag at Washington.



MOTOR, SPEED CHANGE AND CONTROL OF RIGHT ASCENSION MICROMETER.

TABLE I.—*Lag at Washington.*

Date.	American Chronograph.	ABRAHAM Chronograph.	Adopted.	Date.	American Chronograph.	ABRAHAM Chronograph.	Adopted.
1913	s	s	s	1913	s	s	s
Oct. 27	+0.010	.....	+0.010	Dec. 26	.....	0.000	0.000
	+0.007	.....	.....		.....	0.000	.....
28	+0.006	.....	+0.010	27	−0.001	0.000	0.000
	+0.001	.....	.....		.....	0.000	.....
29	+0.008	.....	+0.010	29	0.000	0.000	0.000
	+0.006	.....	.....		.....	0.000	.....
31	+0.011	.....	+0.010	30	.....	0.000	0.000
	+0.008	.....	.....		.....	0.000	.....
Nov. 1	+0.003	.....	+0.010	31	−0.004	0.000	0.000
	+0.014	.....	.....		.....	0.000	.....
3	+0.004	.....	+0.010	1914			
	+0.010	.....	.....	Jan. 21	+0.012	.....	0.000
4	+0.007	.....	+0.010		+0.004	.....	.....
	−0.001	.....	.....	26	−0.001	0.000	0.000
5	+0.017	.....	+0.010		+0.005	0.000	.....
	+0.014	.....	.....	27	−0.004	0.000	0.000
6	+0.008	.....	+0.010		0.000	0.000	.....
7	+0.017	.....	+0.010	28	−0.008	0.000	0.000
	+0.019	.....	.....		−0.003	0.000	.....
10	+0.012	.....	+0.010	29	+0.003	0.000	0.000
	+0.012	.....	.....		−0.004	0.000	.....
11	+0.010	.....	+0.010	31	+0.006	0.000	0.000
	+0.009	.....	.....		−0.003	0.000	.....
12	+0.013	.....	+0.010	Feb. 2	+0.009	0.000	0.000
	+0.009	.....	.....		+0.002	0.000	.....
13	+0.010	.....	.....	3	−0.001	0.000	0.000
	+0.008	.....	.....		−0.007	0.000	.....
	(*)			4	+0.005	0.000	0.000
17	0.000	.....	0.000		−0.010	0.000	.....
	+0.005	.....	.....	7	+0.006	0.000	0.000
18	−0.002	.....	0.000		−0.005	0.000	.....
	0.000	.....	.....	[illegible]	+0.003	0.000	0.000
19	+0.002	.....	0.000		+0.002	0.000	.....
	−0.004	.....	.....	11	−0.004	0.000	0.000
20	+0.007	.....	0.000		0.000	0.000	.....
	+0.002	.....	.....	17	−0.007	0.000	0.000
21	.....	.....	0.000		−0.004	0.000	.....
	+0.008	.....	.....	21	−0.001	0.000	0.000
Nov. 22	+0.002	.....	0.000		+0.002	0.000	.....
	+0.004	.....	.....	24	+0.008	.....	0.000
24	+0.004	.....	0.000		+0.007	.....	.....
	−0.002	.....	.....	26	−0.005	0.000	0.000
25	−0.001	.....	0.000		−0.003	0.000	.....
	−0.001	.....	.....	27	−0.001	.....	0.000
Dec. 3	−0.005	0.000	0.000		−0.012	.....	.....
	−0.004	0.000	.....	Mar. 3	−0.003	0.000	0.000
4	.....	0.000	0.000		−0.011	0.000	.....
	.....	0.000	.....	4	−0.005	0.000	0.000
5	+0.005	0.000	0.000		−0.008	0.000	.....
	.....	0.000	.....	7	−0.007	0.000	0.000
8	−0.002	0.000	0.000		−0.006	0.000	.....
	.....	0.000	.....	[illegible]	+0.006	.....	0.000
9	.....	0.000	0.000		+0.003	.....	.....
	.....	0.000	.....	10	−0.012	.....	0.000
11	0.000	0.000	0.000	12	−0.002	.....	0.000
	.....	0.000	.....		−0.004	.....	.....
12	.....	0.000	0.000	13	−0.001	.....	0.000
	.....	0.000	.....		+0.006	.....	.....
13	−0.004	0.000	0.000	14	+0.010	.....	0.000
	.....	0.000	.....		+0.003	.....	.....
15	+0.001	0.000	0.000	18	+0.001	.....	0.000
16	.....	0.000	0.000		+0.003	.....	.....
	.....	0.000	.....	20	−0.012	.....	0.000
18	+0.003	0.000	0.000		−0.002	.....	.....
	.....	0.000	.....	23	−0.011	.....	0.000
19	.....	0.000	0.000		−0.005	.....	.....
	.....	0.000	.....	24	−0.011	.....	0.000
20	−0.002	0.000	0.000		−0.002	.....	.....
	.....	0.000	.....	26	−0.013	.....	0.000
22	.....	0.000	0.000		+0.003	.....	.....
	.....	0.000	.....	Apr. 3	−0.002	.....	0.000
23	−0.003	0.000	0.000				
	.....	0.000	.....				

* Changed relay point.

At Paris the Riefler clock which is used as the standard is in an air-tight case situated in a chamber in the catacombs at a depth of about 28 meters below the surface of the ground, where the temperature change is practically zero. The clock sends its signals on the even seconds (omitting for identification the signal at the fifty-eighth second of each minute) and synchronizes another Riefler clock, called A^2, which in turn synchronizes a "pendule relais," or clock relay, which distributes the signals to the chronographs. The synchronizing circuit apparently operates when the pendulum of the clock relay is at its lowest point and the signal circuit from the relay is closed when the pendulum is near the end of its swing so that the lag is either approximately $+0^{s}.5$ or $+1^{s}.5$ according to direction in which the pendulum is swinging when it is synchronized. But the value of the lag as applicable to times recorded on the chronograph also depends on the identification of the zero second. The relay sends its signals on alternate seconds and omits no signals for identification. Consequently the signal nearest the Riefler zero was identified as the zero and the lag instead of being as above indicated was either approximately $+0^{s}.5$ or $-0^{s}.5$. Also it is evident that if the synchronizing circuit is out of action for a time or if the clock relay is stopped and started again, the value of the lag may be changed from one to the other of the above values. During Period I it had the former values and during Period II the latter. It was measured several times each night by direct comparison with the Riefler clock by means of an Abraham galvanometer pen chronograph, and also usually by the radio observers at the Eiffel Tower by the coincidence method, suitable electric connections having been provided for this purpose. The results of the two methods are in substantial agreement.

After January 29, 1914, the American chronograph received its signals through a "pendulette relais" instead of through the "pendule relais," as the requirements of the French and American chronographs as to length of signal were so different that it was not convenient to operate both of them by the same relay. The "pendulette relais" which was also synchronized by the Riefler clock A^2, sent signals to the chronograph every second. About this time, also, the practice was adopted of securing a record of the zero of the Riefler clock on the chronograph sheet by watching the Abraham pen chronograph which was operated by an induced current from the Riefler clock circuit and tapping the chronograph key so as to make a record on the chronograph at the zero second. By means of this record, the value of the lag corresponding to the assumed zero second on the chronograph sheet was freed from ambiguity. The synchronization of the "pendulette relais" was as satisfactory as that of the "pendule relais," as shown by the variations of lag during the various nights' work.

During Period I the circuit for determining the lag at Paris was so arranged as to include the lag of the chronograph, which lag was really eliminated by the arrangement of the clock and right ascension micrometer circuits. For Period II the arrangement was changed so that the lag of the chronograph was not included in the measurements. The lag of the chronograph relay depended on the state of the dry batteries that operated it. At the time the change was made it was measured and found to be $+0^{s}.027$. The batteries were then pretty well run down. M. Beauvais, of the Paris Observatory, had measured it some weeks previously and found it to be +0ˢ.015. With fresh batteries it was practically zero. It is therefore probable that it averaged about +0ˢ.01 during Period I. No correction has been applied for this except in the discussion of systematic corrections. Its effect, if applied, would be to increase the longitudes from Period I by this amount.

Table II gives the observed and adopted values of the lag at Paris. On February 24 the "pendulette relais" stopped and had to be adjusted and started again, so there are two values of the adopted lag for that night, one applicable before and the other after the adjustment of the relay.

TABLE II.—*Lag at Paris.*

Date.	ABRAHAM Chronograph.	Coincidences at Eiffel Tower.	Adopted.	Date.	ABRAHAM Chronograph.	Coincidences at Eiffel Tower.	Adopted.
1913	s	s	s	1914	s	s	s
Nov. 1	+0.412	.....	+0.414	Jan. 22	−0.564	.....	.....
	+0.415	.....	.....		−0.558	−0.564	.....
	+0.415	.....	.....		−0.564	−0.562	.....
5	+0.402	.....	+0.412	23	−0.542	.....	−0.537
	+0.410	.....	.....		−0.520	.....	.....
	+0.425	.....	.....		−0.550	−0.534	.....
6	+0.380	.....	+0.377		−0.536	−0.528	.....
	+0.375	.....	.....	24	−0.535	.....	−0.539
	+0.375	.....	.....		−0.536	.....	.....
7	+0.408	.....	+0.390		−0.542	.....	.....
	+0.385	.....	.....		−0.552	−0.532	.....
	+0.378	.....	.....		−0.530	−0.542	.....
8	+0.335	.....	+0.361		(*)		
	+0.378	.....	.....	31	−0.576	.....	−0.573
	+0.370	+0.406	.....		−0.574	.....	.....
11	+0.348	.....	+0.355		−0.580	.....	.....
	+0.355	.....	.....		−0.562	−0.580	.....
	+0.362	+0.359	.....		−0.572	−0.578	.....
16	+0.352	.....	+0.350	Feb. 2	−0.578	.....	−0.574
	+0.352	.....	.....		−0.572	.....	.....
	+0.345	.....	.....		−0.576	.....	.....
19	+0.378	.....	+0.381		−0.576	−0.576	.....
	+0.382	+0.377	.....		−0.570	−0.553	.....
	+0.382	+0.408	.....	3	−0.574	.....	−0.570
29	+0.420	.....	+0.440		−0.574	.....	.....
	+0.445	+0.454	.....		−0.563	.....	.....
	+0.455	+0.451	.....		−0.568	−0.555	.....
Dec. 8	+0.402	.....	+0.432		−0.572	−0.574	.....
	+0.455	.....	.....	4	−0.566	.....	−0.564
	+0.440	+0.445	.....		−0.566	.....	.....
13	+0.500	.....	+0.500		−0.574	.....	.....
	+0.500	+0.536	.....		−0.554	−0.563	.....
	+0.500	.....	.....		−0.559	−0.584	.....
19	+0.376	.....	+0.377		(‡)		
	+0.376	+0.363	.....	5	−0.510	.....	−0.509
	+0.378	+0.383	.....		−0.510	.....	.....
20	+0.388	.....	+0.392		−0.504	.....	.....
	+0.392	+0.410	.....		−0.510	−0.520	.....
	+0.397	+0.415	.....		−0.512	−0.520	.....
23	+0.375	.....	+0.369	9	−0.522	−0.526	−0.526
	+0.362	+0.359	.....		−0.530	−0.523	.....
	+0.370	+0.366	.....	10	−0.510	.....	−0.516
31	+0.400	.....	+0.397		−0.522	.....	.....
	+0.400	.....	.....		−0.526	.....	.....
	+0.392	.....	.....		−0.512	−0.522	.....
1914					−0.508	−0.516	.....
Jan. 21	−0.564	.....	−0.572	12	−0.503	.....	−0.509
	−0.572	.....	.....		−0.516	.....	.....
	−0.578	−0.564	.....		−0.501	.....	.....
	−0.574	−0.564	.....		−0.517	−0.522	.....
22	−0.577	.....	−0.566	17	−0.509	.....	−0.506

* Changed to pendulette.

‡ Location of pendulette changed.

TABLE II.—*Lag at Paris*—Continued.

Date.	ABRAHAM Chronograph.	Coincidences at Eiffel Tower.	Adopted.	Date.	ABRAHAM Chronograph.	Coincidences at Eiffel Tower.	Adopted.
1914	s	s	s	1914	s	s	s
Feb. 17	−0. 508	.....	.....	Feb. 26	−0. 575	−0. 567	.....
	−0. 503	.....	.....	27	−0. 568	.....	−0. 564
	−0. 503	.....	.....		−0. 560	.....	.....
	−0. 507	−0. 507	.....		−0. 554	.....	.....
24	−0. 447	.....	−0. 427		−0. 566	−0. 564	.....
	−0. 433	.....	.....		−0. 574	−0. 563	.....
	−0. 400	.....	.....	28	−0. 562	.....	−0. 561
	(*)				−0. 560	.....	.....
	−0. 560	−0. 560	−0. 554		−0. 559	.....	.....
	−0. 549	−0. 569	.....		−0. 555	−0. 563	.....
25	−0. 568	...	−0. 566		−0. 567	−0. 558	.....
	−0. 564	−0. 566	.....	Mar. 2	−0. 558	.....	−0. 555
	−0. 565	−0. 570	.....		−0. 555	.....	.....
26	−0. 565	.....	−0. 570		−0. 548	.....	.....
	−0. 573	.....	.....		−0. 555	−0. 547	.....
	−0. 565	−0. 569	.....		−0. 560	−0. 559	.....

* Pendulette relais stopped.

DURATION OF CONTACTS.

By reversing the transit instrument on each star the collimation error can be eliminated, but a small error is introduced depending on the duration of the contact which makes the automatic record on the chronograph. In order to correct for this, a measurement was usually made at convenient times by turning the micrometer slowly until contact was made, as evidenced by the sound of the relay, first in one direction and then in the other, and noting the micrometer readings when contact was made. This was done for each of the 10 contacts and the mean was taken. If this quantity is called D, and it is expressed in seconds of time, the correction to be applied to each observation is $\frac{1}{2} D \sec \delta$, always positive. From November 1 to November 25, at Paris, this quantity was determined from the chronographic records of the transits of azimuth stars. The following table gives the observed and adopted values of $\frac{1}{2} D$:

TABLE III.—*Values of* $\frac{1}{2}$ *D.*

WASHINGTON.

Transit No. 1.			Transit No. 2.		
Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
1913	s	s	1914	s	s
Oct. 27	.....	0. 031	Jan. 20	0. 044	.....
28	.....	0. 031	21	.....	0. 043
29	.....	0. 031	26	.....	0. 043
31	.....	0. 031	27	.....	0. 043
Nov. 1	.....	0. 031	28	0. 043	0. 037
3	.....	0. 031	29	.....	0. 037
4	.....	0. 031	31	.....	0. 037
5	.....	0. 031	Feb. 2	.....	0. 037
6	.....	0. 031	3	.....	0. 037
7	0. 033	0. 031	4	.....	0. 037
10	.....	0. 031	7	.....	0. 037
11	.....	0. 031	9	0. 031	0. 028

TABLE III.—*Values of ½ D*—Continued.

WASHINGTON—Continued.

Transit No. 1.			Transit No. 2.		
Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
1913	s	s	1914	s	s
Nov. 12	0.029	0.031	Feb. 11	.....	0.028
13	.....	0.031	17	.....	0.028
17	0.036	0.031	21	.....	0.028
18	0.027	0.031	24	.....	0.028
19	.....	0.031	26	0.025	0.025
	*		27	.....	0.025
20	0.049	0.044	Mar. 3	.....	0.025
21	0.043	0.044	4	.....	0.025
22	.....	0.044	7	.....	0.025
24	0.038	0.043	9	.....	0.025
25	.....	0.043	10	.....	0.025
Dec. 3	.....	0.040	12	.....	0.025
4	0.042	0.040	13	.....	0.025
5	.....	0.040	14	0.024	0.027
6	0.038	.....	18	.....	0.027
8	.....	0.039	20	.....	0.027
9	0.040	0.038	23	.....	0.027
11	.....	0.036	24	.....	0.027
12	0.036	0.036	25	0.033	.....
13	.....	0.035	26	.....	0.032
15	.....	0.034	Apr. 3	.....	0.032
16	0.033	0.033	6	0.030	.....
18	.....	0.034			
19	0.032	0.034			
20	.....	0.035			
22	0.038	0.036			
23	.....	0.037			
26	0.041	0.040			
27	.....	0.041			
29	0.044	0.044			
30	0.044	0.044			
31	.....	0.044			

* Contact adjusted.

PARIS.

Transit No. 2.			Transit No. 1.		
Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
1913	s	s	1914	s	s
Nov. 1	0.059	0.052	Jan. 21	.....	0.041
5	0.046	0.052	22	0.039	0.041
6	0.049	0.052	23	.....	0.042
7	0.030	0.049	24	.....	0.042
8	0.063	0.049	26	0.044	.....
11	0.067	0.049	31	.....	0.045
16	0.043	0.049	Feb. 2	0.048	0.046
19	0.049	0.045	3	0.048	0.047
21	0.050	.....	4	.....	0.047
25	0.038	.....	5	.....	0.048
28	0.034	.....	9	0.049	0.049
29	.....	0.053	10	.....	0.050
Dec. 8	0.074	0.053	12	.....	0.051
10	0.044	.....	13	0.049	.....
13	0.050	0.053	17	0.057	0.053
19	0.048	0.053	24	.....	0.055
20	.....	0.053	25	.....	0.055
23	.....	0.053	26	0.056	0.055
27	0.050	.....	27	0.054	0.055
31	.....	0.053	28	.....	0.055
			Mar. 2	0.052	0.054
			5	0.057	.....

THE AZIMUTHS OF THE MERIDIAN MARKS.

The meridian mark at Washington consisted of an artificial star produced by the illumination of a small circular hole in a metal plate. This was located to the northward of the transit instrument in the focus of the meridian mark lens, which was of 3 inches aperture and approximately 160 feet focal length. At Paris there was a similar meridian mark to the southward of the transit instrument, but instead of an artificial star there was a pair of vertical lines on a glass plate, between the images of which the movable thread of the micrometer of the transit instrument could be placed. From the readings on the marks there seems to be a small advantage in the latter arrangement.

The following are the probable errors of the mean of a set of five readings on the meridian marks for the different observers.

Table IV.—*Probable Errors of Readings on the Meridian Marks.*

	Paris.	Washington.
	s	s
Littell	±0.0056	±0.0069
Mallison	±0.0097	±0.0106
Hill	±0.0021	±0.0029
Magruder	±0.0022	±0.0040

The azimuth of the mark at Washington remained fairly steady for the first two months, but after that it exhibited a number of sudden changes. This may have been due to the fact that the concrete piers were not thoroughly seasoned.

At Paris the azimuth of the mark was more steady, although there seems to have been considerable progressive change during Period I. There was practically no difference in the azimuths of the marks as determined from above and below pole observations.

The following table gives the observed and adopted values of the azimuths of the marks:

TABLE V.—*The Azimuths of the Meridian Marks.*

WASHINGTON.

Date.	No. Stars.	Observed.	Adopted.	Date.	No. Stars.	Observed.	Adopted.
1913		s	s	1914		s	s
Oct. 27	3	−0.090	−0.111	Jan. 21	2	−0.024	−0.018
28	4	−0.115	−0.111	26	3	−0.015	−0.018
29	3	−0.088	−0.111	27	5	−0.018	−0.018
31	3	−0.138	−0.111	28	5	−0.036	−0.018
Nov. 1	4	−0.122	−0.111	29	7	+0.039	−0.018
3	2	−0.131	−0.138	31	5	+0.018	−0.018
4	3	−0.158	−0.138	Feb. 2	5	−0.042	−0.018
5	4	−0.135	−0.138	3	5	−0.049	−0.018
6	3	−0.142	−0.138	4	2	−0.063	−0.018
7	1	−0.159	−0.138	7	5	−0.033	−0.018
10	2	−0.124	−0.138	9	5	+0.007	−0.018
11	1	−0.103	−0.138	11	4	−0.003	−0.018
12	2	−0.160	−0.125	17	4	+0.300	+0.217
13	2	−0.118	−0.125	21	5	+0.152	+0.217
17	2	−0.127	−0.125	24	4	+0.181	+0.217
18	1	−0.116	−0.125	26	4	+0.252	+0.217
19	.	.....	−0.125	27	2	+0.445	+0.549
20	3	−0.110	−0.125	Mar. 3	2	+0.566	+0.549
21	3	−0.153	−0.125	4	4	+0.592	+0.549
22	4	−0.101	−0.125	7	5	+0.059	+0.064
24	4	−0.136	−0.115	9	1	+0.078	+0.064
25	1	−0.146	−0.115	10	2	+0.045	+0.064
Dec. 3	4	−0.116	−0.115	12	4	+0.072	+0.064
4	4	−0.068	−0.115	13	4	+0.097	+0.064
5	4	−0 131	−0.115	14	4	+0.049	+0.064
8	3	−0.128	−0.134	18	3	+0.047	+0.064
9	4	−0.152	−0.134	20	4	+0.036	+0.064
11	4	−0.152	−0.134	23	4	+0.082	+0.064
12	6	−0.112	−0.134	24	5	+0.064	+0.064
13	4	−0.084	−0.105	26	4	+0.111	+0.064
15	4	−0.148	−0.105	Apr. 3	3	+0.051	+0.064
16	1	−0.074	−0.105				
17	1	−0.048	−0.105				
18	4	−0.107	−0.105				
19	3	−0.160	−0.128				
20	4	−0.130	−0.128				
22	1	−0.163	−0.128				
23	2	−0.112	−0.128				
26	3	−0.092	−0.128				
27	4	−0.033	−0.036				
29	4	−0.035	−0.036				
30	4	−0.019	−0.036				
31	1	−0.118	−0.036				

PARIS.

1913		s	s	1914		s	s
Nov. 1	2	+0.250	+0.239	Jan. 21	3	+0.599	+0.641
5	2	+0.205	+0.239	22	4	+0.621	+0.641
6	1	+0.200	+0.239	23	4	+0.677	+0.641
7	1	+0.240	+0.239	24	3	+0.622	+0.641
8	1	+0.260	+0.239	31	2	+0.702	+0.641
11	1	+0.300	+0.239	Feb. 2	4	+0.621	+0.634
16	1	+0.410	+0.451	3	5	+0.651	+0.634
19	3	+0.467	+0.451	4	4	+0.654	+0.634
29	4	+0.450	+0.451	5	5	+0.610	+0.634
Dec. 8	5	+0.554	+0.565	9	.	.....	+0.634
13	6	+0.573	+0.565	10	5	+0.661	+0.665
19	4	+0.490	+0.545	12	4	+0.701	+0.665
20	6	+0.582	+0.545	17	4	+0.644	+0.665
23	3	+0.470	+0.545	24	3	+0.656	+0.665
31	2	+0.655	+0.545	25	.	.....	+0.670
				26	3	+0.634	+0.675
				27	5	+0.705	+0.675
				28	3	+0.700	+0.675
				Mar. 2	5	+0.657	+0.675

THE CLOCK CORRECTIONS.

The probable error of a single contact time and of the clock corrections from a single star are given below. In the latter the errors of the star places are included. In both cases the probable errors have been reduced to the arc of a great circle.

TABLE VI.—*Probable Errors of Astronomical Observers.*

	Contact Time.	No. Obs.	Clock Correction.	No. Obs.
	s		s	
LITTELL	0. 029 sec δ	800	0. 026 sec δ	812
MALLISON	0. 036 sec δ	800	0. 029 sec δ	618
HILL	0. 036 sec δ	800	0. 031 sec δ	336
MAGRUDER	0. 035 sec δ	800	0. 027 sec δ	384

The above probable errors give for Washington a probable error of $\pm0^s.008$ and for Paris $\pm0^s.010$ for a clock correction deduced from an average night's work of about 20 clock-star observations. The intercomparison of the results by the two different observers on the same instrument and of the American and French observers on different instruments indicates a probable error of $\pm0^s.013$ for Washington and $\pm0^s.015$ for Paris. The larger values include the effects of variable personal equation and imperfect instrumental action which may account for the difference.

A large part of the discordances of the clock corrections seems to be due to the errors of the determinations rather than to irregular running of the clocks. An attempt was therefore made to obtain better clock corrections on the dates on which observations were made as well as to furnish corrections for the dates on which there were radio observations, but no star observations, by making a least square solution using equations of the form—

$$C_x = C_o + NR + \frac{N^2}{2} \Delta R$$

Where C_x is the clock correction on any date x, C_o is the clock correction on the epoch date, N is the number of days between these dates, R is the daily rate, and ΔR is an assumed constant acceleration of the daily rate. The results, however, were not satisfactory, as the observations were only satisfied with a probable error of $\pm0^s.021$ for a clock correction.

The clock corrections were then plotted, and it was evident that with the aid of group means it would be possible to draw a rather smooth curve which would represent the observations of a series of nights much better than the least square solution. The curves are too irregular to be accurately represented by so simple an equation as that used in the least square solution, yet they are fairly well defined, and they represent the corrections for a given series of nights better than do the results of the individual night's observation. This is shown by a considerable diminution of the probable error for the longitude from the 17 nights on which observations were secured at both stations when the clock corrections are taken from the curve as compared with that obtained by using the observed value for each night. The curves satisfy the observations for Washington with a probable error of $\pm0^s.012$ and for Paris with a probable error of $\pm0^s.015$. The use of the curve furnishes a means of utilizing all the radio observations on whatever nights they were obtained. While the deviations of the clock correction curve from a simple curve are undoubtedly real and are sometimes quite marked, it is probable that in the case of a good clock installed so as to be effectively protected from change of temperature and of atmospheric pressure the causes which produce these deviations act gradually and spread their effects over considerable periods of time. Among such causes are doubtless the progressive changes taking place in the composition of the lubricating oil and the variable friction due to the disintegration of material in the bearings, the latter probably being quite irregular in its action, yet gradual in its results as affecting the clock corrections.

In all the reductions daily clock rates derived from the least-square solutions already mentioned have been used to carry the clock correction from the epoch of the astronomical observation to that of the radio observation and it was assumed that there was no diurnal variation in the rate. However in the Paris II series it is found that almost invariably the second observer of a night obtained a clock correction smaller than the first observer, while the general clock rate would require the reverse to be true. The difference, which averages about 0^s04 for a three hour interval, is too large to be accounted for by periodic errors in the star places, and the lag was measured four or five times each night and does not account for it. It hardly seems possible that there should be so large a diurnal variation in the clock rate, but in order to test what effect such a variation would have upon the longitude results, each night's observations were divided into two groups, averaging about three hours apart, and the rates thus determined were compared with those resulting from the least-square solution for daily rates. There is little indication of such a variation for the clock at Washington, and the variation for Paris I is not large. In all the series except Paris I it was possible to eliminate the effect of personal equation, but for that series, which was seriously interfered with by adverse weather conditions, it was necessary to apply as a correction the personal equation determined from Washington II. The following are the differences obtained:

	Washington.		Paris.	
	I.	II.	I.	II.
	s	s	s	s
Mean of evening rates (per hour)	−0.0212	−0.0226	+0.0066	−0.0134
Mean of daily rates (per hour)	−0.0222	−0.0184	+0.0010	+0.0020
Correction to daily rates (per hour)	+0.0010	−0.0042	+0.0056	−0.0154

As the epoch of the Washington astronomical observations was about two and one-half hours after that of the radio observations, and as the epoch of the Paris astronomical observations was about two and one-half hours before that of the radio observations, the correction to the longitude resulting from the above differences on the hypothesis that they represent a real variation in rate may be estimated approximately as follows:

	I.	II.	Mean.
$\Delta\lambda$	$+0^s017$	-0^s049	-0^s016

In deducing the observed clock correction for each night when star observations were made the mean value of the lag for the night has been applied as a correction. As applied to the clock correction it has the opposite sign from that given in Tables I and II. The relative personal equations of the observers have also been applied to the observations of each observer to reduce to the mean observer in each case. The values used were taken from a preliminary investigation. The results of a definitive investigation are slightly different, but as the observations by the two observers of a party were, in general, fairly evenly divided, the effect on the result is immaterial. There was evidently a progressive change in the relative personal equation between LITTELL and MALLISON, and there seems to have been a rather marked change about December 5. At that time a small handle was placed on the milled head by which the hand control was operated in order that the observer might follow on the star by a continuous motion, and it is possible that this slight change in the method of observing may have produced this rather sudden, though small, change in the relative personal equation.

The following are the final values of corrections for personal equation to reduce each observer to the mean of the two observers at a station, the signs being applicable to clock corrections:

TABLE VII.—*Corrections for Relative Personal Equations of Astronomical Observers.*

	Period I.				Period II.	
	s	s			s	s
HILL	+0.001	±0.004			−0.004	±0.002
MAGRUDER	−0.001	±0.004			+0.004	±0.002
	To December 4.		*After December 5.*			
	s	s	s	s	s	s
LITTELL	−0.006	±0.002	+0.008	±0.003	+0.016	±0.003
MALLISON	+0.006	±0.002	−0.008	±0.003	−0.016	±0.003

Some time after their return to Washington Messrs. LITTELL and HILL made observations on three nights to determine their relative personal equations. The resulting difference of clock correction, was—

$$L-H=-0^{s}.025 \quad \pm 0^{s}.005.$$

Table VIII gives the clock stars used, with the right ascensions from the Preliminary General Catalogue of Boss for 1900.0. The approximate zenith distances of the stars are given for the stations at which they were observed. For convenience in use, those stars whose apparent positions are in the American Ephemeris and Nautical Almanac are designated by the names there used and the others are designated by their numbers in Boss's catalogue. The last two columns give the number of times the star was observed and the mean correction to the right ascension of Boss as deduced from these observations. These corrections have not been used in this work. Their effect, if used, was tested and found to be very small.

TABLE VIII.—*List of the Clock Stars.*

Name.	Mag.	R. A. 1900.0	Decl. 1900.0	Z. D. Washington.	Z. D. Paris.	No. Obs.	Δα
		h m s	° ′	° ′	° ′		s
π Pegasi	4.3	22 5 32.710	+32 41.2	S 6 10	.. ..	2	−0.005
ζ Cephei	3.6	7 23.029	+57 42.5	.. ..	N 8 56	1	+0.070
α Lacertæ	3.8	27 10.218	+49 46.1	N 10 55	N 1 0	4	+0.002
10 Lacertæ	5.0	34 46.369	+38 31.8	S 0 19	S 10 14	10	−0.005
μ Pegasi	3.7	45 10.553	+24 4.4	S 14 46	.. ..	8	−0.025
Boss 5887	5.6	45 38.613	+55 22.3	.. ..	N 6 37	4	+0.068
ο Andromedæ	3.7	22 57 19.113	+41 47.3	N 2 57	S 6 58	13	+0.012
Boss 5975	4.6	23 7 58.015	+48 51.6	N 10 1	N 0 6	19	−0.019
Boss 6008	6.0	16 3.557	+37 38.2	S 1 12	S 11 7	11	+0.023
Boss 6049	5.3	26 22.232	+38 41.2	S 0 9	S 10 4	10	+0.026
ι Andromedæ	4.3	33 13.775	+42 42.9	N 3 52	S 6 3	9	+0.038
ϕ Andromedæ	5.1	41 4.608	+45 51.9	N 7 1	S 2 54	18	−0.037
Boss 6148	5.6	52 5.969	+55 9.0	.. ..	N 6 23	9	−0.019
Boss 6150	4.8	23 52 39.703	+24 35.1	S 14 15	.. ..	11	+0.045
α Andromedæ	2.0	0 3 13.032	+28 32.3	S 10 18	.. ..	16	−0.021
β Cassiopeiæ	2.2	3 50.304	+58 35.9	.. ..	N 9 50	10	+0.016
Boss 43	4.5	11 51.933	+38 7.6	S 0 43	S 10 38	24	−0.028
Boss 82	5.3	22 51.130	+43 50.5	N 5 0	S 4 55	23	−0.020
δ Andromedæ	3.4	33 58.727	+30 18.8	S 8 32	.. ..	22	−0.018
α Cassiopeiæ	*var.*	34 49.746	+55 59.3	.. ..	N 7 14	12	+0.022
Boss 175	4.6	0 44 17.786	+40 32.1	N 1 41	S 8 14	7	+0.039
μ Cassiopeiæ	5.4	1 1 36.812	+54 25.8	.. ..	N 5 40	6	+0.082
β Andromedæ	2.1	4 7.850	+35 5.4	S 3 45	.. ..	22	−0.015
Boss 298	5.2	13 47.285	+57 42.4	.. ..	N 8 57	8	−0.049
υ Piscium	4.8	13 58.086	+26 44.3	S 12 6	.. ..	21	+0.011
Boss 321	5.1	21 40.188	+44 53.4	N 5 3	S 3 52	29	+0.024
υ Andromedæ	4.2	30 55.475	+40 54.3	N 2 3	S 7 52	31	+0.031
Boss 412	5.7	45 25.072	+54 39.1	.. ..	N 5 53	10	−0.059
α Trianguli	3.4	47 22.739	+29 5.5	S 9 46	.. ..	26	−0.023
γ Andromedæ	2.1	1 57 45.496	+41 51.0	N 3 0	S 6 55	45	−0.007
β Trianguli	3.0	2 3 35.443	+34 30.9	S 4 20	.. ..	30	−0.012
6 Persei	5.5	6 57.038	+50 36.1	.. ..	N 1 50	4	+0.035
γ Trianguli	4.1	11 22.005	+33 23.1	S 5 28	.. ..	28	+0.009
Boss 534	5.3	15 22.903	+55 23.3	.. ..	N 6 37	6	−0.017
Boss 552	6.5	21 9.044	+50 7.4	.. ..	N 1 21	6	+0.057
Boss 555	5.9	21 32.177	+31 21.1	S 7 30	.. ..	28	+0.035
Boss 610	5.1	35 56.022	+39 46.3	N 0 55	S 9 0	45	+0.039
η Persei	4.0	43 23.881	+55 28.8	.. ..	N 6 42	8	0.000
41 Arietis	3.5	44 5.733	+26 50.9	S 12 1	.. ..	35	+0.008
Boss 672	5.7	2 53 2.571	+46 49.2	N 7 57	S 1 58	26	−0.060
Boss 713	4.0	3 2 44.890	+44 28.7	N 5 37	S 4 18	35	+0.010
Boss 740	5.5	11 3.460	+43 39.5	N 4 47	S 5 8	36	+0.036
α Persei	1.7	17 10.820	+49 30.3	.. ..	N 0 43	8	+0.022
Boss 774	5.9	18 14.360	+33 10.9	S 5 41	.. ..	31	+0.021
Boss 817	4.4	29 22.851	+47 51.6	N 8 59	S 0 56	41	−0.057
ν Persei	3.9	38 23.857	+42 15.8	N 3 23	S 6 32	37	−0.012
ζ Persei	2.8	47 50.657	+31 35.2	S 7 18	.. ..	28	−0.020
Boss 900	5.5	49 10.113	+50 24.3	.. ..	N 1 37	7	+0.045
Boss 938	4.4	3 59 7.899	+50 4.8	.. ..	N 1 17	[illegible]	−0.001
Boss 944	5.3	4 0 49.400	+28 43.9	S 10 9	.. ..	28	+0.013
Boss 970	4.9	8 4.840	+40 13.8	N 1 21	S 8 34	24	−0.002
Boss 1003	4.9	14 19.082	+46 15.6	.. ..	S 2 33	5	+0.006
Boss 1030	5.4	19 44.264	+31 12.8	S 7 40	.. ..	29	−0.009
Boss 1074	4.4	29 45.610	+41 3.6	N 2 10	S 7 45	46	−0.006
4 Camelopardalis	5.4	39 40.249	+56 34.8	.. ..	N 7 46	11	+0.035
Boss 1129	5.9	42 48.182	+31 15.8	S 7 38	.. ..	35	+0.004
ι Aurigæ	2.8	4 50 28.813	+33 0.5	S 5 53	.. ..	1	−0.020
Boss 1222	5.8	5 3 16.017	+46 50.3	N 7 56	S 1 59	42	+0.028
λ Aurigæ	4.8	12 6.333	+40 0.6	N 1 6	S 8 49	43	+0.015
Boss 1311	5.4	21 1.092	+34 23.4	S 4 31	S 14 26	42	−0.014
Boss 1348	6.0	28 22.724	+54 21.7	.. ..	N 5 32	14	−0.037
Boss 1369	5.9	30 54.115	+26 51.7	S 12 3	.. ..	27	−0.008
ο Aurigæ	5.7	38 9.172	+49 47.0	N 10 52	N 0 57	41	−0.005
Boss 1452	5.3	46 0.413	+59 51.9	.. ..	N 11 2	13	−0.044
Boss 1457	4.7	47 2.525	+27 35.3	S 11 20	.. ..	32	−0.038
Boss 1498	6.3	5 56 5.402	+42 54.9	N 4 0	S 5 55	18	0.000
Boss 1552	5.8	6 6 41.608	+60 1.6	.. ..	N 11 11	12	−0.057
Boss 1565	4.5	9 0.372	+29 32.1	S 9 23	.. ..	24	+0.007
μ, Geminorum	3.0	16 54.661	+22 33.9	S 16 22	.. ..	32	−0.002
Boss 1608	5.5	6 18 5.123	+58 28.3	.. ..	N 9 38	28	−0.026

TABLE VIII.—*List of the Clock Stars*—Continued.

Name.	Mag.	R. A. 1900.0	Decl. 1900.0	Z. D. Washington.	Z. D. Paris.	No. Obs.	$\Delta\alpha$
		h m s	° ′	° ′	° ′		s
51 Aurigæ	5. 9	6 31 43. 796	+39 28. 7	N 0 33	S 9 22	51	+0. 043
ψ^5 Aurigæ	5. 6	39 31. 940	+43 40. 6	N 4 45	S 5 10	57	−0. 003
θ Geminorum	3. 6	46 11. 932	+34 4. 9	S 4 51	.. ..	34	−0. 019
15 Lyncis	4. 5	6 48 37. 153	+58 33. 2	.. ..	N 9 42	20	−0. 040
Boss 1840	4. 5	7 4 46. 525	+30 24. 6	S 8 32	.. ..	11	+0. 030
Boss 1846	5. 8	5 35. 669	+51 35. 7	.. ..	N 2 44	15	−0. 045
Boss 1897	5. 8	14 3. 207	+45 24. 8	N 6 28	S 3 27	23	−0. 004
Boss 1948	5. 5	22 20. 505	+49 52. 7	.. ..	N 1 1	13	+0. 059
ρ Geminorum	4. 3	22 40. 818	+31 59. 0	S 6 58	.. ..	34	+0. 015
Boss 2001	5. 1	32 38. 375	+34 48. 8	S 4 8	.. ..	26	−0. 021
24 Lyncis	5. 0	34 32. 907	+58 56. 7	.. ..	N 10 5	16	−0. 041
26 Lyncis	5. 8	47 25. 928	+47 49. 4	N 8 52	S 1 3	45	−0. 008
χ Geminorum	5. 2	7 57 22. 656	+28 4. 5	S 10 53	.. ..	28	−0. 002
27 Lyncis	4. 9	8 0 56. 252	+51 47. 7	.. ..	N 2 55	17	+0. 005
31 Lyncis	4. 4	15 59. 490	+43 30. 5	N 4 33	S 5 22	44	−0. 014
Groombridge 1450	6. 2	26 25. 024	+38 21. 6	S 0 36	S 10 32	39	+0. 032
Boss 2306	5. 6	34 6. 534	+46 11. 1	N 7 13	S 2 42	37	−0. 003
Boss 2368	5. 3	45 14. 311	+44 5. 9	N 5 8	S 4 47	1	−0. 120
Boss 2423	5. 9	56 40. 955	+54 40. 7	.. ..	N 5 47	17	−0. 001
Boss 2426	5. 6	8 56 53. 566	+24 50. 8	S 14 8	.. ..	21	0. 000
Boss 2465	5. 4	9 7 15. 921	+43 37. 8	N 4 39	S 5 16	38	+0. 007
40 Lyncis	3. 3	14 57. 899	+34 48. 9	S 4 10	S 14 5	39	+0. 014
Boss 2550	4. 5	26 0. 993	+23 24. 5	S 15 34	.. ..	12	−0. 008
Boss 2601	5. 6	35 48. 706	+40 12. 8	N 1 14	S 8 41	35	+0. 059
υ Ursae Majoris	3. 8	43 52. 972	+59 30. 6	.. ..	N 10 36	14	−0. 054
μ Leonis	4. 1	47 4. 669	+26 28. 7	S 12 30	.. ..	22	+0. 013
Boss 2673	5. 8	52 58. 878	+57 17. 4	.. ..	N 8 23	12	−0. 008
Boss 2681	5. 8	9 55 14. 867	+32 24. 9	S 6 34	.. ..	21	−0. 002
λ Ursae Majoris	3. 4	10 11 4. 094	+43 24. 8	N 4 26	S 5 30	33	+0. 009
Boss 2828	5. 8	32 53. 657	+54 11. 4	.. ..	N 5 17	7	−0. 077
Boss 2829	4. 9	33 5. 666	+32 29. 7	S 6 30	.. ..	19	−0. 002
Boss 2898	5. 5	47 31. 245	+55 7. 0	.. ..	N 6 12	5	+0. 030
46 Leonis Minoris	3. 9	47 43. 269	+34 45. 2	S 4 14	.. ..	17	+0. 008
Boss 2926	5. 2	10 55 14. 312	+39 44. 9	N 0 45	S 9 10	18	−0. 021
ψ Ursae Majoris	3. 0	11 4 2. 627	+45 2. 5	N 6 3	S 3 52	18	−0. 026
Boss 2980	6. 1	11 3. 834	+50 1. 3	.. ..	N 1 7	2	+0. 055
ν Ursae Majoris	3. 5	13 4. 744	+33 38. 4	S 5 21	.. ..	14	−0. 001
Boss 3023	5. 4	23 41. 101	+39 53. 2	N 0 54	S 9 2	5	+0. 034
Boss 3063	5. 7	33 0. 962	+44 10. 8	N 5 11	S 4 44	5	+0. 010
χ Ursae Majoris	3. 9	40 46. 312	+48 20. 0	N 9 20	S 0 35	14	−0. 015
Groombridge 1830	6. 7	47 12. 990	+38 26. 2	S 0 35	.. ..	5	−0. 010
γ Ursae Majoris	2. 3	48 34. 380	+54 15. 0	.. ..	N 5 20	4	+0. 015
Boss 3143	5. 2	11 57 2. 240	+43 36. 0	N 4 36	S 5 19	8	−0. 011
δ Ursae Majoris	3. 3	12 10 28. 743	+57 35. 3	.. ..	N 8 40	1	−0. 060
Boss 3194	5. 2	11 17. 011	+24 30. 1	S 14 30	.. ..	3	+0. 040
Boss 3242	4. 6	21 57. 296	+28 49. 5	S 10 10	.. ..	3	+0. 053
8 Canum Venaticorum	4. 4	28 59. 705	+41 54. 0	N 2 54	.. ..	3	+0. 033
Boss 3322	5. 6	12 40 25. 950	+45 59. 2	N 6 59	S 2 56	1	+0. 080

Table IX gives the results of the observations for clock corrections. There is given for each observation the mean of the contact times as obtained from the records made on the chronograph by the self-registering right ascension micrometer. In general this mean is based on 20 contact times, 10 with the instrument in a given position and 10 with it in the reversed position. For Paris I each of these times has been corrected by $-5^{\mathrm{s}}.00$, as there was apparently a misunderstanding regarding the identification of the zero second of the RIEFLER clock. The instrumental level is the mean of two complete determinations, one before and one after reversal, and the instrumental azimuth is based upon the mean of five micrometer readings on the meridian mark before and the same number after reversal. The corrections for contact are the corrections for duration of contact explained on page E 16. In general, the quantity given in this column is the sum of the correction for contact and of the correction for diurnal aberration, but in the case of the azimuth stars for Paris I and for Washington II, the chronograph record was read to the middle of the registered transit signal, and therefore for these stars no correction for duration of contact was necessary, and this column contains only the correction for diurnal aberration. The corrections for level and azimuth are based on the values given in the preceding columns for the corresponding instrumental errors. The apparent right ascension gives the seconds of the apparent right ascension based on Boss. The results of the observations of circumpolar stars for the azimuth of the instrument are also included in this table. The stars used for this purpose were, in general, between declination +80° and +86°.

The designations of the observers are as follows:

H. = G. A. Hill.	Mg. = C. W. Magruder.
L. = F. B. Littell.	M. = W. T. Mallison.

Table IX.—*Observations for Clock Corrections.*

WASHINGTON I, 1913.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	October 27, L.		h m s	s	s	s	s	s	s	s
1	1 H. Draconis s. p.	24	21 25 22.60	0.000	+0.404	+0.312	0.000	.....	54.99	.....
2	30 H. Camelopardalis s. p.	26	22 21 7.46	+0.042	+0.429	+0.369	−0.182	.....	40.39	.....
3	10 Lacertæ	20	22 35 54.22	+0.029	+0.442	+0.022	+0.037	.....	23.99	.....
4	δ Andromedæ	20	0 35 14.29	+0.031	+0.421	+0.020	+0.036	.....	44.00	.....
5	32 H. Camelopardalis s. p.	24	0 48 50.44	+0.024	+0.407	+0.422	−0.122	.....	23.63	.....
6	β Andromedæ	20	1 5 25.64	+0.014	+0.371	+0.021	+0.017	.....	55.27	.....
	October 28, M.									
7	1 H. Draconis s. p.	6	21 25 24.82	+0.023*	+0.165	+0.312	−0.081	.....	55.13	.....
8	30 H. Camelopardalis s. p.	16	22 21 10.15	+0.008	+0.209	+0.369	−0.035	.....	40.53	.....
9	μ Pegasi	20	22 46 21.98	−0.010	+0.141	+0.019	−0.011	+0.039	51.13	−30.90
10	ο Andromedæ	20	22 58 28.54	−0.003	+0.152	+0.023	−0.004	−0.010	57.75	−30.80
11	Boss 5975	20	23 9 7.14	+0.007	+0.146	+0.026	+0.010	−0.039	36.50	−30.64
12	ψ Andromedæ	20	23 42 17.30	+0.011	+0.087	+0.024	+0.016	−0.015	46.37	−30.96
13	Boss 6150	20	23 53 53.70	+0.009	+0.116	+0.019	+0.010	+0.031	22.75	−31.01
14	α Andromedæ	20	0 4 27.73	+0.006	+0.051	+0.019	+0.007	+0.010	56.72	−31.05
15	Boss 82	20	0 24 7.59	−0.007	+0.167	+0.024	−0.010	−0.020	36.52	−31.06
16	δ Andromedæ	20	0 35 15.07	−0.017	+0.190	+0.020	−0.020	+0.033	44.00	−31.10
17	β Andromedæ	20	1 5 26.22	−0.017	+0.194	+0.021	−0.021	+0.016	55.28	−30.96
	October 28, L.									
18	υ Piscium	20	1 15 15.61	−0.017	+0.228	+0.019	−0.019	+0.054	44.71	−30.95
19	Boss 321	20	1 23 1.85	−0.015	+0.215	+0.024	−0.021	−0.032	30.80	−31.02
20	υ Andromedæ	20	1 32 16.33	−0.012	+0.217	+0.023	−0.016	−0.010	45.19	−31.14
21	α Trianguli	20	1 48 41.98	−0.006	+0.257	+0.019	−0.007	+0.050	11.12	−30.92
22	γ Andromedæ	20	1 59 8.62	−0.015	+0.265	+0.023	−0.020	−0.018	37.52	−31.09
23	β Trianguli	20	2 4 56.81	−0.024	+0.290	+0.021	−0.029	+0.027	25.91	−30.92
24	γ Trianguli	20	2 12 43.40	−0.020	+0.310	+0.020	−0.024	+0.035	12.44	−30.99
25	Boss 555	20	2 22 53.38	−0.024	+0.275	+0.020	−0.028	+0.042	22.43	−30.98
26	Boss 610	20	2 37 20.68	−0.021	+0.237	+0.022	−0.027	−0.005	49.54	−31.13
27	41 Arietis	20	2 45 26.66	−0.015	+0.238	+0.019	−0.016	+0.056	55.72	−31.00
28	Boss 672	20	2 54 31.05	−0.025	+0.211	+0.025	−0.036	−0.043	0.09	−30.91
29	Boss 713	20	3 4 13.08	−0.036	+0.184	+0.024	−0.050	−0.025	42.06	−30.97
30	Boss 740	20	3 12 31.55	−0.051	+0.166	+0.024	−0.070	−0.019	0.49	−31.00
31	Boss 774	20	3 19 38.47	−0.054	+0.128	+0.020	−0.064	+0.015	7.41	−31.03
32	Boss 817	20	3 30 54.08	−0.030	+0.133	+0.025	−0.044	−0.031	23.10	−30.93
33	ν Persei	20	3 39 52.56	−0.058	+0.117	+0.023	−0.078	−0.009	21.47	−31.03
34	ζ Persei	20	3 49 15.01	−0.083	+0.131	+0.020	−0.097	+0.020	43.99	−30.96
35	Groombridge 750	12	4 9 50.54	−0.054	+0.123	+0.209	−0.457	.....	18.01	.....
36	Boss 1074	20	4 31 15.50	−0.040	+0.100	+0.023	−0.053	−0.005	44.32	−31.15
37	Boss 1129	20	4 44 13.54	−0.037	+0.106	+0.020	−0.043	+0.017	42.49	−31.04
38	ε Ursæ Minoris s. p.	24	4 55 8.27	−0.069	+0.100	+0.331	+0.262	.....	38.85	.....

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	October 29, L.		h m s	s	s	s	s	s	s	s
1	π Pegasi	20	22 6 41. 28	−0. 124	+0. 362	+0. 020	−0. 147	+0. 046	9. 82	−31. 38
2	30 H. Camelopardalis S.P.	8	22 21 9. 10	−0. 001*	+0. 320	+0. 369	+0. 004	.....	40. 67	.....
3	10 Lacertæ	20	22 35 55. 34	−0. 007	+0. 368	+0. 022	−0. 009	+0. 003	23. 96	−31. 40
4	μ Pegasi	20	22 46 22. 45	−0. 019	+0. 334	+0. 019	−0. 020	+0. 094	51. 12	−31. 42
5	ο Andromedæ	20	22 58 29. 12	−0. 007	+0. 290	+0. 023	−0. 009	−0. 020	57. 73	−31. 38
6	Boss 5975	20	23 9 7. 91	+0. 016	+0. 272	+0. 026	+0. 024	−0. 072	36. 48	−31. 41
7	Boss 6008	20	23 17 15. 56	+0. 029	+0. 272	+0. 021	+0. 037	+0. 007	44. 13	−31. 49
8	39 H. Cephei	12	23 28 25. 71	+0. 029	+0. 234	+0. 308	+0. 352	.....	51. 49	.....
9	ψ Andromedæ	20	23 42 17. 77	+0. 023	+0. 195	+0. 024	+0. 033	−0. 034	46. 36	−31. 43
10	Boss 6150	20	23 53 54. 13	+0. 019	+0. 190	+0. 019	+0. 020	+0. 051	22. 74	−31. 48
11	α Andromedæ	20	0 4 28. 02	+0. 034	+0. 252	+0. 019	+0. 038	+0. 051	56. 72	−31. 41
12	δ Andromedæ	20	0 35 15. 28	+0. 039	+0. 220	+0. 020	+0. 045	+0. 038	44. 00	−31. 38
13	β Andromedæ	20	1 5 26. 68	+0. 031	+0. 209	+0. 021	+0. 038	+0. 017	55. 28	−31. 48
14	υ Piscium	20	1 15 16. 08	+0. 011	+0. 131	+0. 019	+0. 012	+0. 031	44. 71	−31. 43
	October 29, M.									
15	Boss 321	20	1 23 2. 44	−0. 008	+0. 131	+0. 024	−0. 011	−0. 020	30. 81	−31. 62
16	υ Andromedæ	20	1 32 16. 34	−0. 009	+0. 138	+0. 023	−0. 012	−0. 006	45. 20	[−31.14]
17	α Trianguli	20	1 48 42. 47	+0. 003	+0. 174	+0. 019	+0. 003	+0. 034	11. 12	−31. 41
18	γ Andromedæ	20	1 59 8. 88	+0. 003	+0. 234	+0. 023	+0. 004	−0. 016	37. 53	−31. 36
19	β Trianguli	20	2 4 57. 32	−0. 005	+0. 216	+0. 021	−0. 006	+0. 020	25. 92	−31. 44
20	γ Trianguli	20	2 12 43. 83	+0. 009	+0. 218	+0. 020	+0. 011	+0. 025	12. 45	−31. 44
21	Boss 555	20	2 22 53. 90	+0. 015	+0. 180	+0. 020	+0. 017	+0. 028	22. 44	−31. 52
22	Boss 610	20	2 37 20. 97	+0. 011	+0. 066	+0. 022	+0. 014	−0. 001	49. 55	−31. 46
23	41 Arietis	20	2 45 27. 23	+0. 017	+0. 083	+0. 019	+0. 019	+0. 019	55. 73	−31. 56
24	47 H. Cephei	24	2 55 11. 19	+0. 020	+0. 173	+0. 090	+0. 081	.....	39. 26	.....
25	Boss 713	20	3 4 13. 74	+0. 024	+0. 132	+0. 024	+0. 034	−0. 018	42. 08	−31. 70
26	Boss 817	20	3 30 54. 50	+0. 007	+0. 114	+0. 025	+0. 010	−0. 027	23. 12	−31. 39
27	ζ Persei	20	3 49 15. 54	+0. 039	+0. 119	+0. 020	+0. 045	+0. 018	44. 02	−31. 60
28	Boss 944	20	4 2 13. 41	+0. 031	+0. 206	+0. 019	+0. 035	+0. 041	41. 87	−31. 64
	October 31, L.									
29	ο Andromedæ	20	22 58 30. 17	+0. 029*	+0. 386	+0. 023	+0. 039	−0. 026	57. 70	−32. 51
30	Boss 5975	20	23 9 8. 83	+0. 023	+0. 267	+0. 026	+0. 034	−0. 071	36. 46	−32. 36
31	39 H. Cephei	20	23 28 26. 97	+0. 017	+0. 298	+0. 308	+0. 206	.....	51. 08	.....
32	Boss 6150	20	23 53 55. 16	−0. 005	+0. 291	+0. 019	−0. 005	+0. 079	22. 74	−32. 51
33	α Andromedæ	20	0 4 29. 12	−0. 023	+0. 278	+0. 019	−0. 026	+0. 056	56. 71	−32. 46
34	Boss 43	20	0 13 8. 52	−0. 028	+0. 281	+0. 022	−0. 036	+0. 004	36. 05	−32. 46
35	Boss 82	20	0 24 9. 03	−0. 037	+0. 261	+0. 024	−0. 051	−0. 032	36. 52	−32. 45
36	δ Andromedæ	20	0 35 16. 42	−0. 046	+0. 245	+0. 020	−0. 053	+0. 042	43. 99	−32. 44
37	32 H. Camelopardalis S.P.	22	0 48 54. 30	−0. 058	+0. 237	+0. 422	+0. 295	.....	23. 91	.....
38	υ Piscium	20	1 15 17. 30	−0. 084	+0. 237	+0. 019	−0. 092	+0. 056	44. 71	−32. 57
39	Boss 321	20	1 23 3. 48	−0. 092	+0. 187	+0. 024	−0. 129	−0. 028	30. 83	−32. 52
	October 31, M.									
40	υ Andromedæ	20	1 32 17. 90	−0. 094	+0. 131	+0. 023	−0. 124	−0. 006	45. 21	−32. 58
41	α Trianguli	20	1 48 43. 76	−0. 108	+0. 249	+0. 019	−0. 122	+0. 048	11. 14	−32. 56
42	γ Andromedæ	20	1 59 10. 19	−0. 135	+0. 272	+0. 023	−0. 181	−0. 019	37. 54	−32. 47
43	β Trianguli	20	2 4 58. 62	−0. 143	+0. 249	+0. 021	−0. 173	+0. 023	25. 93	−32. 56
44	γ Trianguli	20	2 12 45. 07	−0. 121	+0. 334	+0. 020	−0. 144	+0. 038	12. 47	−32. 51
45	Boss 610	20	2 37 22. 48	−0. 136	+0. 226	+0. 022	−0. 177	−0. 005	49. 59	−32. 73
46	41 Arietis	20	2 45 28. 30	−0. 138	+0. 235	+0. 019	−0. 151	+0. 055	55. 76	−32. 46
47	47 H. Cephei	24	2 55 13. 18	−0. 154	+0. 264	+0. 090	−0. 621	.....	39. 35	.....
48	Boss 713	20	3 4 14. 93	−0. 161	+0. 237	+0. 024	−0. 225	−0. 032	42. 13	−32. 57
49	Boss 740	20	3 12 33. 34	−0. 157	+0. 235	+0. 024	−0. 217	−0. 027	0. 56	−32. 56
	November 1, M.									
50	π Pegasi	20	22 6 42. 67	−0. 038	+0. 304	+0. 020	−0. 045	+0. 039	9. 77	−32. 91
51	30 H. Camelopardalis S.P.	30	22 21 11. 84	−0. 080	+0. 196	+0. 369	+0. 347	.....	41. 17	.....
52	α Lacertæ	20	22 28 17. 52	−0. 080	+0. 145	+0. 026	−0. 122	−0. 043	44. 58	−32. 80
53	10 Lacertæ	20	22 35 56. 82	−0. 059	+0. 088	+0. 022	−0. 076	+0. 001	23. 91	−32. 86
54	μ Pegasi	20	22 46 24. 00	−0. 042	+0. 193	+0. 019	−0. 044	+0. 054	51. 08	−32. 95
55	Boss 5975	20	23 9 9. 41	−0. 027	+0. 189	+0. 026	−0. 040	−0. 050	36. 45	−32. 90
56	Boss 6008	20	23 17 17. 02	−0. 018	+0. 219	+0. 021	−0. 023	+0. 006	44. 11	−32. 91
57	ι Andromedæ	20	23 34 28. 01	−0. 019	+0. 241	+0. 023	−0. 026	−0. 022	55. 03	−32. 96

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*Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	α Andromedæ	20	0 4 29.50	+0.051	+0.176	+0.019	+0.057	+0.036	56.70	−32.91
2	Boss 43	20	0 13 8.93	+0.042	+0.173	+0.022	+0.053	+0.003	36.04	−32.97
3	Boss 82	20	0 24 9.42	+0.038	+0.177	+0.024	+0.053	−0.021	36.52	−32.96
4	δ Andromedæ	20	0 35 16.94	+0.031	+0.169	+0.020	+0.036	+0.029	43.98	−33.04
5	32 H.Camelopardalis s.p.	26	0 48 55.00	+0.025	+0.178	+0.422	−0.127	.....	23.98	.....
6	β Andromedæ	20	1 5 28.27	+0.029	+0.157	+0.021	+0.035	+0.013	55.28	−33.06
7	υ Piscium	20	1 15 17.49	+0.030	+0.131	+0.019	+0.033	+0.031	44.72	−32.85
8	Boss 321	20	1 23 3.82	+0.029	+0.150	+0.024	+0.041	−0.022	30.84	−33.02
	November 1, L.									
9	υ Andromedæ	20	1 32 18.19	+0.029	+0.166	+0.023	+0.038	−0.008	45.21	−33.03
10	α Trianguli	20	1 48 44.05	+0.026	+0.190	+0.019	+0.029	+0.037	11.15	−32.98
11	γ Andromedæ	20	1 59 10.55	+0.027	+0.152	+0.023	+0.036	−0.011	37.55	−33.05
12	γ Trianguli	20	2 12 45.49	+0.029	+0.114	+0.020	+0.035	+0.013	12.48	−33.08
13	Boss 555	20	2 22 55.51	+0.025	+0.150	+0.020	+0.029	+0.023	22.49	−33.09
14	Boss 610	20	2 37 22.66	+0.023	+0.151	+0.022	+0.030	−0.003	49.61	−33.10
15	41 Arietis	20	2 45 28.78	+0.029	+0.138	+0.019	+0.032	+0.032	55.77	−33.09
16	47 H. Cephei	12	2 55 12.72	+0.024	+0.147	+0.090	+0.097	.....	39.40	.....
17	Boss 713	20	3 4 15.27	+0.025	+0.152	+0.024	+0.035	−0.021	42.16	−33.15
18	Boss 740	20	3 12 33.70	+0.029	+0.140	+0.024	+0.040	−0.016	0.59	−33.16
19	Boss 774	20	3 19 40.50	+0.027	+0.164	+0.020	+0.032	+0.020	7.50	−33.07
20	Boss 817	20	3 30 56.20	+0.030	+0.194	+0.025	+0.044	−0.045	23.22	−33.00
21	ν Persei	20	3 39 54.59	+0.034	+0.180	+0.023	+0.046	−0.014	21.56	−33.09
22	ζ Persei	20	3 49 17.07	+0.033	+0.203	+0.020	+0.038	+0.030	44.08	−33.08
23	Boss 970	20	4 9 35.70	+0.038	+0.162	+0.022	+0.050	−0.005	2.66	−33.11
24	Boss 1030	20	4 21 11.40	+0.041	+0.087	+0.020	+0.048	+0.014	38.35	−33.13
25	Boss 1074	20	4 31 17.50	+0.038	+0.081	+0.023	+0.050	−0.004	44.45	−33.12
26	Boss 1129	20	4 44 15.67	+0.043	+0.121	+0.020	+0.050	+0.019	42.62	−33.14
27	ε Ursæ Minoris s. p.	22	4 55 11.02	+0.051	+0.121	+0.331	−0.194	.....	38.28	.....
	November 3, L.									
28	30 H.Camelopardalis s.p.	18	22 21 13.46	+0.005	+0.272	+0.369	−0.022	.....	41.56	.....
29	α Lacertæ	20	22 28 18.54	−0.001	+0.249	+0.026	−0.002	−0.073	44.54	−33.95
30	10 Lacertæ	20	22 35 57.81	+0.001	+0.272	+0.022	+0.001	+0.002	23.88	−33.95
31	μ Pegasi	20	22 46 24.92	+0.005	+0.254	+0.019	+0.005	+0.071	51.06	−33.96
32	ο Andromedæ	20	22 58 31.63	+0.008	+0.230	+0.023	+0.011	−0.016	57.66	−33.99
33	Boss 5975	20	23 9 10.36	+0.018	+0.227	+0.026	+0.027	−0.060	36.43	−33.92
34	α Andromedæ	20	0 4 30.64	+0.032	+0.146	+0.019	+0.036	+0.030	56.69	−34.03
35	Boss 43	20	0 13 9.95	+0.035	+0.125	+0.022	+0.045	+0.002	36.05	−33.97
36	Boss 82	20	0 24 10.42	+0.048	+0.099	+0.024	+0.066	−0.012	36.52	−33.98
37	δ Andromedæ	20	0 35 17.93	+0.060	+0.096	+0.020	+0.069	+0.017	43.98	−34.06
38	32 H.Camelopardalis s.p.	26	0 48 57.02	+0.054	+0.112	+0.422	−0.274	.....	24.15	.....
39	β Andromedæ	20	1 5 29.22	+0.033	+0.098	+0.021	+0.040	+0.008	55.28	−34.01
40	υ Piscium	20	1 15 18.69	+0.027	+0.124	+0.019	+0.030	+0.029	44.72	−34.05
41	Boss 321	20	1 23 4.81	+0.043	+0.134	+0.024	+0.060	−0.020	30.86	−34.01
42	υ Andromedæ	20	1 32 19.22	+0.050	+0.119	+0.023	+0.066	−0.006	45.21	−34.09
	November 3, M.									
43	α Trianguli	20	1 48 44.99	+0.045	+0.092	+0.019	+0.051	+0.018	11.16	−33.92
	November 4, M.									
44	30 H.Camelopardalis s.p.	30	22 21 15.41	−0.017	+0.092	+0.369	+0.074	.....	41.77	.....
45	10 Lacertæ	20	22 35 58.36	−0.008	+0.077	+0.022	−0.010	+0.001	23.86	−34.51
46	μ Pegasi	20	22 46 25.41	−0.012	+0.110	+0.019	−0.013	+0.031	51.04	−34.41
47	ο Andromedæ	20	22 58 32.12	−0.007	+0.113	+0.023	−0.009	−0.008	57.64	−34.49
48	Boss 5975	20	23 9 10.84	−0.003	+0.069	+0.026	−0.004	−0.018	36.41	−34.43
49	Boss 6008	20	23 17 18.60	−0.005	+0.070	+0.021	−0.006	+0.002	44.09	−34.53
50	Boss 6049	20	23 27 38.12	−0.006	+0.085	+0.022	−0.008	0.000	3.57	−34.56
51	ψ Andromedæ	20	23 42 20.77	−0.004	+0.106	+0.024	−0.006	−0.019	46.29	−34.48
52	α Andromedæ	20	0 4 31.12	−0.005	+0.091	+0.019	−0.006	+0.018	56.69	−34.46
53	Boss 43	20	0 13 10.51	−0.007	+0.142	+0.022	−0.009	+0.002	36.05	−34.48
54	Boss 82	20	0 24 11.03	−0.003	+0.204	+0.024	−0.004	−0.025	36.52	−34.51
55	δ Andromedæ	20	0 35 18.40	+0.001	+0.149	+0.020	+0.001	+0.026	43.97	−34.48
56	32 H.Camelopardalis s.p.	26	0 48 57.46	+0.007	+0.104	+0.422	−0.036	.....	24.23	.....
57	β Andromedæ	20	1 5 29.76	+0.017	+0.153	+0.021	+0.021	+0.012	55.28	−34.53
58	υ Piscium	20	1 15 19.22	+0.011	+0.236	+0.019	+0.012	+0.055	44.72	−34.59
59	Boss 321	20	1 23 5.38	+0.010	+0.222	+0.024	+0.014	−0.033	30.86	−34.52
60	υ Andromedæ	20	1 32 19.84	+0.015	+0.200	+0.023	+0.020	−0.010	45.22	−34.65

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	November 4, L.		h m s	s	s	s	s	s	s	s
1	α Trianguli	20	1 48 45. 68	+0. 012	+0. 280	+0. 019	+0. 014	+0. 054	11. 16	−34. 61
2	γ Andromedæ	20	1 59 12. 21	+0. 012	+0. 270	+0. 023	+0. 016	−0. 019	37. 57	−34. 66
3	β Trianguli	20	2 5 0. 51	+0. 005	+0. 268	+0. 021	+0. 006	+0. 025	25. 96	−34. 60
4	γ Trianguli	20	2 12 47. 04	+0. 007	+0. 294	+0. 020	+0. 008	+0. 034	12. 50	−34. 60
5	Boss 555	20	2 22 57. 09	+0. 016	+0. 279	+0. 020	+0. 019	+0. 043	22. 54	−34. 63
6	Boss 610	20	2 37 24. 32	+0. 009	+0. 213	+0. 022	+0. 012	−0. 004	49. 67	−34. 68
7	41 Arietis	20	2 45 30. 36	0. 000	+0. 199	+0. 019	0. 000	+0. 047	55. 81	−34. 62
8	Boss 672	20	2 54 34. 84	−0. 016	+0. 223	+0. 025	−0. 023	−0. 045	0. 25	−34. 55
9	Boss 740	20	3 12 35. 35	−0. 025	+0. 220	+0. 024	−0. 034	−0. 025	0. 66	−34. 65
10	Boss 774	20	3 19 42. 17	−0. 022	+0. 218	+0. 020	−0. 026	+0. 026	7. 57	−34. 62
11	Boss 817	20	3 30 57. 90	−0. 019	+0. 193	+0. 025	−0. 028	−0. 045	23. 30	−34. 55
12	ν Persei	20	3 39 56. 27	−0. 017	+0. 199	+0. 023	−0. 023	−0. 016	21. 62	−34. 63
13	ζ Persei	20	3 49 18. 71	−0. 029	+0. 223	+0. 020	−0. 034	+0. 033	44. 14	−34. 59
14	Boss 944	20	4 2 16. 62	−0. 026	+0. 233	+0. 019	−0. 029	+0. 046	42. 04	−34. 62
15	Boss 1030	20	4 21 12. 99	−0. 029	+0. 230	+0. 020	−0. 034	+0. 036	38. 44	−34. 57
16	Boss 1074	20	4 31 19. 13	−0. 010	+0. 220	+0. 023	−0. 013	−0. 011	44. 56	−34. 57
17	Boss 1129	20	4 44 17. 28	−0. 003	+0. 222	+0. 020	−0. 003	+0. 035	42. 71	−34. 62
18	ε Ursæ Minoris S. P.	24	4 55 10. 90	−0. 009	+0. 214	+0. 331	+0. 034	.....	37. 88	.....
	November 5, L.									
19	30 H.Camelopardalis S.P.	20	22 21 14. 38	−0. 060	+0. 264	+0. 369	+0. 260	.....	41. 97	.....
20	10 Lacertæ	20	22 35 58. 94	−0. 054	+0. 237	+0. 022	−0. 069	+0. 002	23. 85	−35. 05
21	μ Pegasi	20	22 46 26. 04	−0. 060	+0. 264	+0. 019	−0. 064	+0. 074	51. 03	−35. 04
22	ο Andromedæ	20	22 58 32. 57	+0. 070*	+0. 228	+0. 023	+0. 094	−0. 016	57. 63	−35. 04
23	Boss 5975	20	23 9 11. 25	+0. 079	+0. 156	+0. 026	+0. 118	−0. 041	36. 36	−34. 99
24	Boss 6049	20	23 27 38. 52	+0. 103	+0. 201	+0. 022	+0. 132	+0. 001	3. 56	−35. 12
25	ι Andromedæ	20	23 34 29. 92	+0. 101	+0. 218	+0. 023	+0. 137	−0. 020	54. 98	−35. 08
26	φ Andromedæ	20	23 42 21. 17	+0. 107	+0. 202	+0. 024	+0. 153	−0. 036	46. 27	−35. 04
27	Boss 6150	20	23 53 57. 66	+0. 113	+0. 197	+0. 019	+0. 120	+0. 053	22. 73	−35. 12
28	α Andromedæ	20	0 4 31. 63	+0. 106	+0. 206	+0. 019	+0. 119	+0. 042	56. 68	−35. 13
29	Boss 43	20	0 13 10. 91	+0. 107	+0. 213	+0. 022	+0. 136	+0. 003	36. 03	−35. 04
30	Boss 82	20	0 24 11. 37	+0. 107	+0. 199	+0. 024	+0. 148	−0. 024	36. 52	−35. 00
31	δ Andromedæ	20	0 35 18. 93	+0. 105	+0. 189	+0. 020	+0. 121	+0. 033	43. 97	−35. 13
32	32 H.Camelopardalis S.P.	20	0 48 58. 58	+0. 125	+0. 161	+0. 422	−0. 635	.....	24. 33	.....
33	β Andromedæ	20	1 5 30. 20	+0. 138	+0. 154	+0. 021	+0. 168	+0. 012	55. 28	−35. 12
34	υ Piscium	20	1 15 19. 64	+0. 125	+0. 157	+0. 019	+0. 137	+0. 037	44. 72	−35. 11
35	Boss 321	20	1 23 5. 79	+0. 120	+0. 112	+0. 024	+0. 169	−0. 017	30. 86	−35. 11
36	υ Andromedæ	20	1 32 20. 21	+0. 126	+0. 087	+0. 023	+0. 167	−0. 004	45. 22	−35. 18
37	α Trianguli	20	1 48 46. 22	+0. 133	+0. 104	+0. 019	+0. 150	+0. 020	11. 17	−35. 24
	November 5, M.									
38	γ Andromedæ	20	1 59 12. 54	+0. 040*	+0. 066	+0. 023	+0. 054	−0. 005	37. 58	−35. 03
39	β Trianguli	20	2 5 1. 22	+0. 040	+0. 021	+0. 021	+0. 048	+0. 002	25. 97	−35. 32
40	γ Trianguli	20	2 12 47. 70	+0. 038	+0. 108	+0. 020	+0. 045	+0. 012	12. 51	−35. 27
41	Boss 555	20	2 22 57. 74	+0. 041	+0. 180	+0. 020	+0. 048	+0. 028	22. 54	−35. 30
42	Boss 610	20	2 37 24. 79	+0. 053	+0. 123	+0. 022	+0. 069	−0. 003	49. 67	−35. 21
43	41 Arietis	20	2 45 30. 84	+0. 058	+0. 110	+0. 019	+0. 064	+0. 026	55. 82	−35. 13
44	47 H. Cephei	26	2 55 14. 88	+0. 054	+0. 100	+0. 090	+0. 218	.....	39. 55	.....
45	Boss 740	20	3 12 35. 72	+0. 053	+0. 044	+0. 024	+0. 073	−0. 005	0. 67	−35. 14
46	Boss 774	20	3 19 42. 60	+0. 046	+0. 075	+0. 020	+0. 055	+0. 009	7. 58	−35. 10
47	Boss 817	20	3 30 58. 38	+0. 044	+0. 141	+0. 025	+0. 065	−0. 033	23. 32	−35. 12
48	ν Persei	20	3 39 56. 71	+0. 048	+0. 141	+0. 023	+0. 065	−0. 011	21. 64	−35. 15
49	ζ Persei	20	3 49 19. 18	+0. 055	+0. 193	+0. 020	+0. 064	+0. 029	44. 16	−35. 13
50	Boss 944	20	4 2 17. 06	+0. 056	+0. 224	+0. 019	+0. 063	+0. 045	42. 05	−35. 14
51	Boss 970	20	4 9 37. 84	+0. 058	+0. 213	+0. 022	+0. 076	−0. 007	2. 77	−35. 16
52	Boss 1030	20	4 21 13. 45	+0. 060	+0. 222	+0. 020	+0. 070	+0. 035	38. 46	−35. 11
53	Boss 1074	20	4 31 19. 64	+0. 060	+0. 207	+0. 023	+0. 080	−0. 010	44. 57	−35. 16
54	Boss 1129	20	4 44 17. 75	+0. 059	+0. 245	+0. 020	+0. 068	+0. 038	42. 73	−35. 15
55	ε Ursæ Minoris S. P.	24	4 55 11. 38	+0. 065	+0. 272	+0. 331	−0. 247	.....	37. 77	.....
	November 6, M.									
56	α Lacertæ	20	22 28 20. 16	−0. 018	+0. 115	+0. 026	−0. 027	−0. 034	44. 47	−35. 65
57	10 Lacertæ	20	22 35 59. 38	−0. 035	+0. 142	+0. 022	−0. 045	+0. 001	23. 83	−35. 53
58	μ Pegasi	20	22 46 26. 51	−0. 053	+0. 133	+0. 019	−0. 056	+0. 037	51. 02	−35. 49
59	ο Andromedæ	20	22 58 33. 30	−0. 032	+0. 092	+0. 023	−0. 043	−0. 006	57. 61	−35. 66

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 5975	20	23 9 12. 02	−0. 017	+0. 092	+0. 026	−0. 025	−0. 024	36. 36	−35. 64
2	Boss 6008	20	23 17 19. 69	−0. 024	+0. 044	+0. 021	−0. 030	+0. 001	44. 05	−35. 63
3	Boss 6049	20	23 27 39. 15	−0. 032	+0. 115	+0. 022	−0. 041	0. 000	3. 53	−35. 60
4	ι Andromedæ	20	23 34 30. 66	−0. 023	+0. 131	+0. 023	−0. 031	−0. 012	54. 97	−35. 67
5	ψ Andromedæ	20	23 42 21. 84	−0. 016	+0. 108	+0. 024	−0. 023	−0. 019	46. 26	−35. 56
6	Boss 6150	20	23 53 58. 24	−0. 012	+0. 130	+0. 019	−0. 013	+0. 035	22. 72	−35. 56
7	Boss 82	20	0 24 12. 05	−0. 016	+0. 069	+0. 024	−0. 022	−0. 008	36. 51	−35. 53
8	δ Andromedæ	20	0 35 19. 55	−0. 005	+0. 078	+0. 020	−0. 006	+0. 013	43. 97	−35. 61
9	32 H.Camelopardalis S.P.	32	0 48 58. 70	+0. 011	+0. 155	+0. 422	−0. 056	.....	24. 42	.....
10	β Andromedæ	20	1 5 30. 88	+0. 011	+0. 117	+0. 021	+0. 013	+0. 009	55. 28	−35. 64
11	υ Piscium	20	1 15 20. 22	+0. 014	+0. 217	+0. 019	+0. 015	+0. 051	44. 72	−35. 58
12	Boss 321	20	1 23 6. 49	+0. 005	+0. 313	+0. 024	+0. 007	−0. 047	30. 85	−35. 62
13	υ Andromedæ	20	1 32 20. 96	0. 000	+0. 256	+0. 023	0. 000	−0. 012	45. 22	−35. 75
14	α Trianguli	20	1 48 46. 77	+0. 005	+0. 262	+0. 019	+0. 006	+0. 051	11. 17	−35. 68
	November 6, L.									
15	γ Andromedæ	20	1 59 13. 26	+0. 009	+0. 266	+0. 023	+0. 012	−0. 019	37. 59	−35. 69
16	β Trianguli	20	2 5 1. 47	+0. 023	+0. 280	+0. 021	+0. 028	+0. 026	25. 98	−35. 57
17	γ Trianguli	20	2 12 48. 08	+0. 032	+0. 289	+0. 020	+0. 038	+0. 033	12. 52	−35. 65
18	Boss 555	20	2 22 58. 17	+0. 021	+0. 283	+0. 020	+0. 024	+0. 043	22. 55	−35. 71
19	Boss 610	20	2 37 25. 23	+0. 017	+0. 259	+0. 022	+0. 022	−0. 005	49. 68	−35. 59
20	41 Arietis	20	2 45 31. 37	+0. 017	+0. 229	+0. 019	+0. 019	+0. 054	55. 83	−35. 63
21	Boss 672	20	2 54 35. 81	+0. 012	+0. 203	+0. 025	+0. 017	−0. 041	0. 27	−35. 54
22	Boss 713	20	3 4 17. 82	+0. 021	+0. 222	+0. 024	+0. 029	−0. 030	42. 43	−35. 41
23	Boss 740	20	3 12 36. 36	+0. 033	+0. 229	+0. 024	+0. 046	−0. 026	0. 68	−35. 72
24	Boss 774	20	3 19 43. 14	+0. 035	+0. 216	+0. 020	+0. 042	+0. 026	7. 59	−35. 64
25	Boss 817	20	3 30 58. 88	+0. 032	+0. 225	+0. 025	+0. 047	−0. 053	23. 33	−35. 57
26	ν Persei	20	3 39 57. 27	+0. 036	+0. 205	+0. 023	+0. 049	−0. 016	21. 66	−35. 67
27	ζ Persei	20	3 49 19. 79	+0. 040	+0. 232	+0. 020	+0. 047	+0. 035	44. 18	−35. 71
28	Boss 944	20	4 2 17. 63	+0. 046	+0. 233	+0. 019	+0. 052	+0. 046	42. 07	−35. 68
29	Groombridge 750	22	4 9 56. 74	+0. 053	+0. 240	+0. 209	+0. 449	.....	19. 75	.....
30	Boss 1030	20	4 21 14. 03	+0. 052	+0. 250	+0. 020	+0. 060	+0. 039	38. 48	−35. 67
31	Boss 1074	20	4 31 20. 22	+0. 055	+0. 245	+0. 023	+0. 073	−0. 012	44. 59	−35. 71
32	Boss 1129	20	4 44 18. 27	+0. 056	+0. 255	+0. 020	+0. 065	+0. 040	42. 75	−35. 64
33	ε Ursæ Minoris S. P.	22	4 55 11. 60	+0. 047	+0. 233	+0. 331	−0. 178	.....	37. 67	.....
	November 7, L.									
34	μ Pegasi	20	22 46 26. 97	−0. 027	+0. 162	+0. 019	−0. 029	+0. 045	51. 01	−36. 00
35	ο Andromedæ	20	22 58 33. 68	−0. 017	+0. 194	+0. 023	−0. 023	−0. 013	57. 59	−36. 08
36	Boss 5975	20	23 9 12. 36	−0. 011	+0. 220	+0. 026	−0. 016	−0. 058	36. 34	−35. 97
37	Boss 6008	20	23 17 20. 12	+0. 001	+0. 284	+0. 021	+0. 001	+0. 007	44. 03	−36. 12
38	39 H. Cephei	26	23 28 27. 15	+0. 010	+0. 230	+0. 308	+0. 121	.....	48. 88	.....
39	φ Andromedæ	20	23 42 22. 30	+0. 014	+0. 151	+0. 024	+0. 020	−0. 027	46. 25	−36. 07
40	Boss 6150	20	23 53 58. 77	+0. 008	+0. 157	+0. 019	+0. 009	+0. 042	22. 71	−36. 13
41	α Andromedæ	20	0 4 32. 66	+0. 003	+0. 228	+0. 019	+0. 003	+0. 046	56. 67	−36. 06
42	Boss 43	20	0 13 12. 06	+0. 011	+0. 288	+0. 022	+0. 014	+0. 005	36. 01	−36. 09
43	δ Andromedæ	20	0 35 19. 93	+0. 006	+0. 300	+0. 020	+0. 007	+0. 052	43. 96	−36. 05
44	β Andromedæ	20	1 5 31. 22	+0. 006	+0. 277	+0. 021	+0. 007	+0. 022	55. 28	−35. 99
45	υ Piscium	20	1 15 20. 71	+0. 015	+0. 290	+0. 019	+0. 016	+0. 068	44. 72	−36. 09
	November 10, M.									
46	δ Andromedæ	20	0 35 21. 67	+0. 031	+0. 282	+0. 020	+0. 036	+0. 049	43. 95	−37. 82
47	32 H.Camelopardalis S.P.	32	0 49 0. 82	+0. 034	+0. 210	+0. 422	−0. 173	.....	24. 82	.....
48	β Andromedæ	20	1 5 32. 97	+0. 035	+0. 169	+0. 021	+0. 043	+0. 014	55. 27	−37. 78
49	Boss 321	20	1 23 8. 69	+0. 036	+0. 170	+0. 024	+0. 051	−0. 025	30. 82	−37. 92
50	υ Andromedæ	20	1 32 22. 94	+0. 021	+0. 113	+0. 023	+0. 028	−0. 005	45. 22	−37. 77
51	α Trianguli	20	1 48 48. 65	+0. 019	+0. 089	+0. 019	+0. 021	+0. 017	11. 19	[−37.52]
52	γ Andromedæ	20	1 59 15. 36	+0. 026	+0. 111	+0. 023	+0. 035	−0. 008	37. 61	−37. 81
	November 10, L.									
53	Boss 555	20	2 23 0. 20	+0. 025	+0. 174	+0. 020	+0. 029	+0. 027	22. 56	−37. 72
54	Boss 610	20	2 37 27. 41	+0. 023	+0. 146	+0. 022	+0. 030	−0. 003	49. 69	−37. 77
55	41 Arietis	20	2 45 33. 54	+0. 023	+0. 135	+0. 019	+0. 025	+0. 031	55. 87	−37. 75
56	Boss 672	20	2 54 37. 90	+0. 020	+0. 194	+0. 025	+0. 029	−0. 039	0. 30	−37. 62
57	Boss 713	20	3 4 19. 98	+0. 019	+0. 161	+0. 024	+0. 027	−0. 022	42. 28	−37. 73
58	Boss 740	20	3 12 38. 43	+0. 025	+0. 149	+0. 024	+0. 034	−0. 017	0. 72	−37. 75

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 774	20	3 19 45. 32	+0. 025	+0. 161	+0. 020	+0. 030	+0. 019	7. 63	−37. 76
2	Boss 817	20	3 31 1. 06	+0. 019	+0. 149	+0. 025	+0. 028	−0. 035	23. 38	−37. 70
3	ν Persei	16	3 39 59. 46	+0. 011	+0. 127	+0. 023	+0. 015	−0. 010	21. 74	−37. 75
4	Boss 944	20	4 2 19. 82	−0. 001	+0. 184	+0. 019	−0. 001	+0. 037	42. 12	−37. 75
5	Groombridge 750	22	4 9 59. 93	−0. 005	+0. 195	+0. 209	−0. 042	.....	20. 22	.....
6	Boss 1030	20	4 21 16. 23	−0. 008	+0. 184	+0. 020	−0. 009	+0. 029	38. 54	−37. 73
7	Boss 1074	20	4 31 22. 43	−0. 012	+0. 163	+0. 023	−0. 016	−0. 008	44. 67	−37. 76
	November 11, L.									
8	Boss 5975	20	23 9 14. 52	−0. 013	+0. 392	+0. 026	−0. 019	−0. 104	36. 24	−38. 38
9	Boss 6008	20	23 17 22. 13	+0. 009	+0. 420	+0. 021	+0. 011	+0. 011	43. 96	−38. 21
10	Boss 6049	20	23 27 41. 63	+0. 027	+0. 431	+0. 022	+0. 035	+0. 001	3. 45	−38. 24
11	ι Andromedæ	20	23 34 33. 04	+0. 028	+0. 334	+0. 023	+0. 038	−0. 030	54. 90	−38. 17
12	ψ Andromedæ	20	23 42 24. 24	+0. 029	+0. 311	+0. 024	+0. 041	−0. 055	46. 19	−38. 06
13	Boss 6150	20	23 54 0. 69	+0. 043	+0. 352	+0. 019	+0. 046	+0. 095	22. 66	−38. 19
14	α Andromedæ	20	0 4 34. 64	+0. 040	+0. 376	+0. 019	+0. 045	+0. 076	56. 63	−38. 15
15	Boss 43	20	0 13 13. 99	+0. 034	+0. 405	+0. 022	+0. 043	+0. 006	35. 96	−38 10
16	Boss 82	20	0 24 14. 50	+0. 030	+0. 387	+0. 024	+0. 041	−0. 047	36. 42	−38. 10
17	δ Andromedæ	20	0 35 22. 02	+0. 030	+0. 351	+0. 020	+0. 034	+0. 060	43. 94	−38. 19
18	Boss 175	20	0 45 42. 52	+0. 030	+0. 348	+0. 022	+0. 039	−0. 014	4. 36	−38. 21
19	43 H. Cephei	24	0 57 33. 15	+0. 031	+0. 316	+0. 232	+0. 290	.....	52. 12	.....
	November 12, M.									
20	ο Andromedæ	20	22 58 36. 14	+0. 051	+0. 277	+0. 023	+0. 068	−0. 019	57. 51	−38. 70
21	Boss 5975	20	23 9 14. 91	+0. 046	+0. 213	+0. 026	+0. 069	−0. 056	36. 22	−38. 73
22	Boss 6008	20	23 17 22. 51	+0. 042	+0. 234	+0. 021	+0. 053	+0. 006	43. 94	−38. 65
23	Boss 6049	20	23 27 42. 17	+0. 048	+0. 251	+0. 022	+0. 062	+0. 001	3. 43	−38. 82
24	ι Andromedæ	20	23 34 33. 68	+0. 047	+0. 230	+0. 023	+0. 064	−0. 021	54. 89	−38. 86
25	ψ Andromedæ	20	23 42 24. 88	+0. 042	+0. 185	+0. 024	+0. 060	−0. 033	46. 17	−38. 76
26	Boss 43	20	0 13 14. 53	+0. 072	+0. 248	+0. 022	+0. 092	+0. 004	35. 94	−38. 71
27	δ Andromedæ	20	0 35 22. 50	+0. 072	+0. 198	+0. 020	+0. 083	+0. 034	43. 94	−38. 70
28	32 H.Camelopardalis s.p.	22	0 49 2. 18	+0. 059	+0. 163	+0. 422	−0. 300	.....	25. 05	.....
29	β Trianguli	20	2 5 4. 61	+0. 070	+0. 198	+0. 021	+0. 085	+0. 018	26. 01	−38. 72
	November 12, L.									
30	41 Arietis	20	2 45 34. 53	+0. 066	+0. 224	+0. 019	+0. 072	+0. 052	55. 89	−38. 78
31	Boss 713	20	3 4 21. 04	+0. 067	+0. 215	+0. 024	+0. 094	−0. 029	42. 30	−38. 83
32	Boss 740	20	3 12 39. 50	+0. 072	+0. 207	+0. 024	+0. 099	−0. 024	0. 75	−38. 85
33	Boss 774	24	3 19 46. 32	+0. 072	+0. 220	+0. 020	+0. 086	+0. 026	7. 65	−38. 80
34	Boss 817	18	3 31 2. 09	+0. 067	+0. 208	+0. 025	+0. 099	−0. 049	23. 41	−38. 76
35	ν Persei	20	3 40 0. 42	+0. 066	+0. 208	+0. 023	+0. 089	−0. 017	21. 78	−38. 74
36	Boss 944	20	4 2 20. 88	+0. 069	+0. 226	+0. 019	+0. 077	+0. 045	42. 15	−38. 87
37	Boss 1030	20	4 21 17. 28	+0. 071	+0. 239	+0. 020	+0. 082	+0. 037	38. 58	−38. 84
38	Boss 1074	20	4 31 23. 45	+0. 066	+0. 218	+0. 023	+0. 088	−0. 011	44. 71	−38. 84
39	Boss 1129	20	4 44 21. 50	+0. 069	+0. 222	+0. 020	+0. 080	+0. 035	42. 87	−38. 76
40	ε Ursæ Minoris s. p.	24	4 55 14. 81	+0. 078	+0. 263	+0. 331	−0. 296	.....	37. 14	.....
	November 13, L.									
41	Boss 5975	20	23 9 15. 50	−0. 019	+0. 425	+0. 026	−0. 028	−0. 113	36. 21	−39. 17
42	Boss 6008	20	23 17 23. 18	−0. 026	+0. 443	+0. 021	−0. 033	+0. 012	43. 93	−39. 25
43	39 H. Cephei	22	23 28 31. 85	−0. 021	+0. 443	+0. 308	−0. 255	.....	47. 18	.....
44	ψ Andromedæ	20	23 42 25. 40	−0. 017	+0. 403	+0. 024	−0. 024	−0. 071	46. 16	−39. 17
45	Boss 6150	20	23 54 1. 83	−0. 014	+0. 364	+0. 019	−0. 015	+0. 098	22. 63	−39. 30
46	α Andromedæ	20	0 4 35. 73	−0. 006	+0. 347	+0. 019	−0. 007	+0. 070	56. 62	−39. 19
47	32 H.Camelopardalis s.p.	4	0 49 1. 42	+0. 013	+0. 310	+0. 422	−0. 066	.....	25. 15	.....
48	β Andromedæ	20	1 5 34. 49	+0. 026	+0. 326	+0. 021	+0. 032	+0. 026	55. 27	−39. 30
49	υ Piscium	20	1 15 23. 87	+0. 023	+0. 336	+0. 019	+0. 025	+0. 079	44. 71	−39. 28
50	Boss 321	20	1 23 10. 04	+0. 026	+0. 343	+0. 024	+0. 037	−0. 051	30. 82	−39. 23
	November 17, M.									
51	Boss 6008	20	23 17 25. 21	+0. 038	+0. 365	+0. 021	+0. 048	+0. 009	43. 90	−41. 39
52	Boss 6049	20	23 27 44. 64	+0. 041	+0. 349	+0. 022	+0. 053	+0. 001	3. 38	−41. 34
53	ι Andromedæ	20	23 34 36. 23	+0. 038	+0. 259	+0. 023	+0. 052	−0. 024	54. 81	−41. 47
54	ψ Andromedæ	20	23 42 27. 35	+0. 045	+0. 246	+0. 024	+0. 064	−0. 043	46. 09	−41. 31
55	Boss 6150	20	23 54 3. 88	+0. 050	+0. 298	+0. 019	+0. 053	+0. 080	22. 62	−41. 41

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	α Andromedæ	20	0 4 37. 82	+0. 046	+0. 286	+0. 019	+0. 052	+0. 058	56. 58	−41. 37
2	Boss 43	20	0 13 17. 18	+0. 047	+0. 246	+0. 022	+0. 060	+0. 004	35. 92	−41. 35
3	Boss 82	20	0 24 17. 69	+0. 049	+0. 231	+0. 024	+0. 068	−0. 028	36. 39	−41. 36
4	δ Andromedæ	20	0 35 25. 10	+0. 040	+0. 231	+0. 020	+0. 046	+0. 040	43. 91	−41. 30
5	32 H.Camelopardalis S.P.	22	0 49 3. 98	+0. 040	+0. 231	+0. 422	−0. 203	.....	25. 65	.....
6	β Andromedæ	20	1 5 36. 51	+0. 026	+0. 252	+0. 021	+0. 032	+0. 020	55. 25	−41. 33
7	Boss 321	20	1 23 12. 24	+0. 043	+0. 230	+0. 024	+0. 060	−0. 034	30. 83	−41. 46
8	υ Andromedæ	20	1 32 26. 61	+0. 056	+0. 231	+0. 023	+0. 074	−0. 011	45. 22	−41. 48
9	α Trianguli	20	1 48 52. 46	+0. 057	+0. 246	+0. 019	+0. 064	+0. 047	11. 20	−41. 39
10	γ Andromedæ	20	1 59 18. 95	+0. 046	+0. 223	+0. 023	+0. 062	−0. 016	37. 63	−41. 39
11	β Trianguli	20	2 5 7. 30	+0. 029	+0. 227	+0. 021	+0. 035	+0. 021	26. 03	−41. 35
12	γ Trianguli	20	2 12 53. 90	+0. 042	+0. 246	+0. 020	+0. 050	+0. 028	12. 58	−41. 42
13	Boss 555	20	2 23 3. 91	+0. 059	+0. 224	+0. 020	+0. 068	+0. 034	22. 62	−41. 41
	November 17, L.									
14	Boss 610	20	2 37 31. 11	+0. 061	+0. 261	+0. 022	+0. 079	−0. 005	49. 78	−41. 43
15	41 Arietis	20	2 45 37. 16	+0. 056	+0. 265	+0. 019	+0. 061	+0. 062	55. 93	−41. 37
16	Boss 672	20	2 54 41. 71	+0. 056	+0. 301	+0. 025	+0. 081	−0. 061	0. 40	−41. 36
17	Boss 713	20	3 4 23. 72	+0. 062	+0. 290	+0. 024	+0. 087	+0. 040	42. 39	−41. 48
18	Boss 740	20	3 12 42. 20	+0. 066	+0. 251	+0. 024	+0. 091	−0. 029	0. 84	−41. 45
19	Boss 774	20	3 19 49. 02	+0. 063	+0. 264	+0. 020	+0. 075	+0. 031	7. 74	−41. 41
20	Boss 817	20	3 31 4. 88	+0. 060	+0. 312	+0. 025	+0. 088	−0. 073	23. 52	−41. 40
21	ν Persei	20	3 40 3. 19	+0. 068	+0. 304	+0. 023	+0. 092	−0. 024	21. 86	−41. 42
22	Boss 944	20	4 2 23. 55	+0. 062	+0. 322	+0. 019	+0. 070	+0. 064	42. 27	−41. 43
23	Groombridge 750	20	4 10 4. 86	+0. 066	+0. 344	+0. 209	+0. 559	.....	21. 24	.....
24	Boss 1030	20	4 21 19. 99	+0. 070	+0. 314	+0. 020	+0. 081	+0. 049	38. 70	−41. 44
25	Boss 1074	20	4 31 26. 19	+0. 079	+0. 274	+0. 023	+0. 105	−0. 014	44. 86	−41. 44
26	Boss 1129	20	4 44 24. 26	+0. 063	+0. 259	+0. 020	+0. 073	+0. 040	43. 00	−41. 39
27	ε Ursæ Minoris S. P.	24	4 55 16. 42	+0. 040	+0. 253	+0. 331	−0. 152	.....	36. 62	.....
28	Boss 1222	20	5 5 1. 12	+0. 059	+0. 257	+0. 025	+0. 085	−0. 052	19. 77	−41. 41
29	λ Aurigæ	20	5 13 47. 86	+0. 073	+0. 242	+0. 022	+0. 095	−0. 006	6. 51	−41. 46
30	Boss 1369	20	5 32 28. 78	+0. 073	+0. 255	+0. 019	+0. 080	+0. 060	47. 52	−41. 42
	November 18, L.									
31	α Andromedæ	20	0 4 38. 43	−0. 064	+0. 054*	+0. 019	−0. 072	+0. 011	56. 57	−41. 82
32	Boss 175	20	0 45 46. 32	−0. 054	+0. 074	+0. 022	−0. 071	−0. 003	4. 34	−41. 93
33	β Andromedæ	20	1 5 37. 12	−0. 045	+0. 052	+0. 021	−0. 055	+0. 004	55. 25	−41. 84
34	υ Piscium	20	1 15 26. 68	−0. 040	+0. 054	+0. 019	−0. 044	+0. 013	44. 70	−41. 97
35	α Ursæ Minoris	14	1 29 55. 66	−0. 034	+0. 060	+0. 847	−1. 091	.....	11. 47	.....
36	α Trianguli	20	1 48 53. 08	−0. 030	+0. 037	+0. 019	−0. 034	+0. 007	11. 20	−41. 87
37	γ Andromedæ	20	1 59 19. 60	−0. 028	+0. 014	+0. 023	−0. 038	−0. 001	37. 63	−41. 95
38	β Trianguli	20	2 5 8. 00	−0. 027	+0. 042	+0. 021	−0. 033	+0. 004	26. 03	−41. 96
39	γ Trianguli	20	2 12 54. 56	−0. 031	+0. 051	+0. 020	−0. 037	+0. 006	12. 58	−41. 97
	November 18, M.									
40	41 Arietis	20	2 45 37. 97	0. 000	−0. 035	+0. 019	0. 000	−0. 008	55. 94	−42. 04
41	Boss 774	20	3 19 49. 72	−0. 005	−0. 133	+0. 020	−0. 006	−0. 016	7. 76	−41. 96
42	Boss 817	20	3 31 5. 45	−0. 008	−0. 121	+0. 025	−0. 012	+0. 028	23. 54	−41. 95
43	ν Persei	20	3 40 3. 84	−0. 009	−0. 157	+0. 023	−0. 012	+0. 013	21. 88	−41. 98
44	ζ Persei	20	3 49 26. 32	−0. 007	−0. 150	+0. 020	−0. 008	−0. 022	44. 39	−41. 92
45	Boss 944	20	4 2 24. 26	−0. 007	−0. 112	+0. 019	−0. 008	−0. 022	42. 28	−41. 97
46	Boss 970	20	4 9 45. 07	−0. 004	−0. 111	+0. 022	−0. 005	+0. 003	3. 04	−42. 05
47	Boss 1030	20	4 21 20. 73	+0. 001	−0. 118	+0. 020	+0. 001	−0. 018	38. 72	−42. 01
48	Boss 1074	20	4 31 26. 82	0. 000	−0. 185	+0. 023	0. 000	+0. 009	44. 88	−41. 97
	November 19, M.									
49	∂ Andromedæ	20	0 35 26. 23	−0. 021	−0. 111	+0. 020	−0. 024	−0. 019	43. 89	−42. 32
50	Boss 321	20	1 23 13. 25	−0. 010	−0. 218	+0. 024	−0. 014	+0. 032	30. 83	−42. 46
51	α Trianguli	20	1 48 53. 72	−0. 004	−0. 217	+0. 019	−0. 005	−0. 042	11. 20	−42. 49
52	γ Andromedæ	20	1 59 20. 21	−0. 004	−0. 194	+0. 023	−0. 005	+0. 014	37. 64	−42. 60
	November 19, L.									
53	41 Arietis	20	2 45 38. 42	+0. 007	−0. 260	+0. 019	+0. 008	−0. 061	55. 95	−42. 44
54	Boss 672	20	2 54 42. 76	+0. 008	−0. 180	+0. 025	+0. 012	+0. 036	0. 42	−42. 41
55	Boss 713	20	3 4 24. 82	+0. 011	−0. 180	+0. 024	+0. 015	+0. 025	42. 42	−42. 46

* Azimuth adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 740	20	3 12 43.34	+0.011	−0.177	+0.024	+0.015	+0.020	0.87	−42.53
2	Boss 774	20	3 19 50.22	+0.009	−0.175	+0.020	+0.011	−0.021	7.77	−42.46
3	Boss 817	20	3 31 5.85	+0.013	−0.180	+0.025	+0.019	+0.042	23.56	−42.38
4	ν Persei	20	3 40 4.29	+0.014	−0.157	+0.023	+0.019	+0.013	21.89	−42.46
5	ζ Persei	20	3 49 26.80	+0.015	−0.146	+0.020	+0.017	−0.022	44.40	−42.42
6	Boss 1030	20	4 21 21.18	+0.017	−0.093	+0.020	+0.020	−0.015	38.75	−42.45
7	Boss 1074	12	4 31 27.30	+0.023	−0.106	+0.023	+0.030	+0.005	44.91	−42.45
8	ι Aurigæ	20	4 52 6.99	+0.031	−0.106	+0.020	+0.037	−0.013	24.56	−42.47
9	Boss 1311	20	5 22 40.33	+0.034	−0.153	+0.021	+0.041	−0.015	57.86	−42.52
10	Boss 1369	20	5 32 30.08	+0.046	−0.150	+0.019	+0.050	−0.035	47.58	−42.53
11	ο Aurigæ	20	5 39 57.97	+0.050	−0.146	+0.026	+0.076	+0.043	15.62	−42.50
12	Boss 1457	20	5 48 38.80	+0.050	−0.157	+0.019	+0.055	−0.035	56.33	−42.51
	November 20, L.									
13	Boss 43	20	0 13 18.72	−0.022*	−0.011	+0.038	−0.028	0.000	35.89	−42.84
14	Boss 82	20	0 24 19.15	−0.026	−0.015	+0.042	−0.036	+0.002	36.36	−42.80
15	δ Andromedæ	20	0 35 26.78	−0.021	−0.034	+0.035	−0.024	−0.006	43.89	−42.90
16	32 H.Camelopardalis s.p.	20	0 49 8.86	−0.012	−0.102	+0.544	+0.061	.....	26.04	.....
17	β Andromedæ	20	1 5 38.12	−0.007	−0.139	+0.037	−0.009	−0.011	55.23	−42.91
18	υ Piscium	20	1 15 27.67	−0.003	−0.147	+0.034	−0.003	−0.035	44.70	−42.97
19	Boss 321	20	1 23 13.72	−0.007	−0.176	+0.042	−0.010	+0.026	30.82	−42.96
20	υ Andromedæ	20	1 32 28.12	−0.005	−0.183	+0.040	−0.007	+0.009	45.21	−42.95
21	α Trianguli	20	1 48 54.10	+0.007	−0.179	+0.034	+0.008	−0.035	11.20	−42.91
22	γ Andromedæ	20	1 59 20.58	+0.011	−0.170	+0.040	+0.015	+0.012	37.63	−43.02
23	β Trianguli	20	2 5 8.98	+0.008	−0.174	+0.036	+0.010	−0.016	26.03	−42.98
24	γ Trianguli	20	2 12 55.55	+0.005	−0.154	+0.036	+0.006	−0.018	12.59	−42.98
25	Boss 555	20	2 23 5.66	+0.001	−0.147	+0.035	+0.001	−0.022	22.63	−43.04
26	Boss 610	20	2 37 32.75	+0.009	−0.150	+0.039	+0.012	+0.003	49.80	−43.00
27	41 Arietis	20	2 45 38.95	+0.019	−0.142	+0.034	+0.021	−0.033	55.95	−43.02
	November 20, M.									
28	Boss 672	20	2 54 43.30	+0.013	−0.220	+0.044	+0.019	+0.044	0.43	−42.98
29	Boss 740	20	3 12 43.88	+0.016	−0.287	+0.041	+0.022	+0.033	0.88	−43.10
30	Boss 774	20	3 19 50.72	+0.025	−0.205	+0.036	+0.030	−0.024	7.78	−42.98
31	Boss 817	20	3 31 6.48	+0.012	−0.176	+0.045	+0.018	+0.041	23.57	−43.01
32	ν Persei	20	3 40 4.87	+0.002	−0.213	+0.041	+0.003	+0.017	21.91	−43.02
33	ζ Persei	20	3 49 27.39	+0.006	−0.144	+0.035	+0.007	−0.021	44.41	−43.00
34	Boss 944	20	4 2 25.28	+0.007	−0.102	+0.034	+0.008	−0.020	42.32	−42.98
35	Boss 970	20	4 9 46.08	+0.002	−0.180	+0.039	+0.003	+0.006	3.07	−43.06
36	Boss 1030	20	4 21 21.76	+0.004	−0.241	+0.035	+0.005	−0.038	38.76	−43.00
37	Boss 1074	20	4 31 27.92	+0.004	−0.217	+0.040	+0.005	+0.011	44.93	−43.05
38	Boss 1129	20	4 44 26.07	+0.021	−0.127	+0.035	+0.024	−0.020	43.07	−43.04
39	ε Ursæ Minoris s. p.	20	4 55 19.16	+0.017	−0.092	+0.426	−0.065	.....	36.38	.....
40	Boss 1222	20	5 5 2.84	+0.013	−0.144	+0.044	+0.019	+0.029	19.86	−43.07
41	λ Aurigæ	20	5 13 49.61	+0.013	−0.138	+0.039	+0.017	+0.003	6.58	−43.09
42	Boss 1311	20	5 22 40.84	+0.007	−0.103	+0.036	+0.008	−0.010	57.89	−42.98
43	Groombridge 944	20	5 35 10.60	0.000	−0.108	+0.036	0.000	.....	28.99	.....
44	Boss 1457	20	5 48 39.35	−0.003	−0.104	+0.034	−0.003	−0.023	56.36	−43.00
	November 21, M.									
45	ψ Andromedæ	20	23 42 29.40	−0.017	−0.221	+0.043	−0.024	+0.039	46.03	−43.43
46	α Andromedæ	20	0 4 39.94	+0.002	−0.200	+0.034	+0.002	−0.041	56.54	−43.40
47	Boss 43	20	0 13 19.20	−0.003	−0.188	+0.038	−0.004	−0.003	35.87	−43.36
48	Boss 82	20	0 24 19.75	−0.009	−0.247	+0.042	−0.012	+0.030	36.34	−43.47
49	δ Andromedæ	20	0 35 27.28	−0.006	−0.270	+0.035	−0.007	−0.046	43.88	−43.38
50	32 H.Camelopardalis s.p.	20	0 49 10.82	0.000	−0.241	+0.544	0.000	.....	26.19	.....
51	υ Piscium	20	1 15 28.22	+0.007	−0.211	+0.034	+0.008	−0.050	44.70	−43.51
52	Boss 321	20	1 23 14.22	+0.020	−0.237	+0.042	+0.028	+0.035	30.81	−43.51
53	υ Andromedæ	20	1 32 28.67	+0.019	−0.302	+0.040	+0.025	+0.014	45.21	−43.54
54	α Trianguli	20	1 48 54.65	+0.007	−0.306	+0.034	+0.008	−0.060	11.20	−43.43
55	γ Andromedæ	20	1 59 21.08	+0.007	−0.309	+0.040	+0.009	+0.022	37.63	−43.52
56	β Trianguli	20	2 5 9.48	+0.005	−0.306	+0.036	+0.006	−0.028	26.04	−43.45
57	γ Trianguli	20	2 12 56.03	+0.003	−0.268	+0.036	+0.004	−0.031	12.59	−43.45
58	Boss 555	20	2 23 6.18	+0.008	−0.263	+0.035	+0.009	−0.040	22.63	−43.55
59	Boss 610	20	2 37 33.29	+0.017	−0.301	+0.039	+0.022	+0.006	49.79	−43.57
60	41 Arietis	20	2 45 39.50	+0.015	−0.265	+0.034	+0.016	−0.062	55.96	−43.53

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	November 21, L.		h m s	s	s	s	s	s	s	s
1	Boss 672	20	2 54 43. 69	+0. 011	−0. 142	+0. 044	+0. 016	+0. 029	0. 42	−43. 36
2	Boss 713	20	3 4 25. 88	+0. 017	−0. 161	+0. 042	+0. 024	+0. 022	42. 42	−43. 55
3	Boss 740	20	3 12 44. 26	+0. 025	−0. 156	+0. 041	+0. 034	+0. 018	0. 88	−43. 47
4	Boss 774	20	3 19 51. 26	+0. 020	−0. 147	+0. 036	+0. 024	−0. 017	7. 78	−43. 52
5	Boss 817	20	3 31 6. 84	+0. 021	−0. 161	+0. 045	+0. 031	+0. 038	23. 58	−43. 37
6	ν Persei	20	3 40 5. 37	+0. 031	−0. 169	+0. 041	+0. 042	+0. 014	21. 92	−43. 55
7	ζ Persei	20	3 49 27. 86	+0. 027	−0. 157	+0. 035	+0. 031	−0. 023	44. 43	−43. 47
8	Boss 944	20	4 2 25. 87	+0. 022	−0. 155	+0. 034	+0. 025	−0. 031	42. 33	−43. 57
9	Groombridge 750	14	4 10 2. 74	+0. 023	−0. 150	+0. 368	+0. 195	.....	21. 60	.....
10	Boss 1030	20	4 21 22. 25	+0. 025	−0. 158	+0. 035	+0. 029	−0. 025	38. 78	−43. 51
11	Boss 1074	20	4 31 28. 35	+0. 035	−0. 164	+0. 040	+0. 046	+0. 008	44. 94	−43. 50
12	Boss 1129	20	4 44 26. 62	+0. 040	−0. 154	+0. 035	+0. 046	−0. 024	43. 09	−43. 59
13	ε Ursæ Minoris S. P.	22	4 55 20. 97	+0. 042	−0. 154	+0. 426	−0. 159	.....	36. 32	.....
14	Boss 1222	20	5 5 3. 32	+0. 041	−0. 186	+0. 044	+0. 059	+0. 038	19. 88	−43. 58
15	λ Aurigæ	20	5 13 50. 09	+0. 032	−0. 217	+0. 039	+0. 042	+0. 005	6. 61	−43. 57
16	Boss 1311	20	5 22 41. 43	+0. 034	−0. 215	+0. 036	+0. 041	−0. 021	57. 90	−43. 59
17	Boss 1369	20	5 32 31. 13	+0. 040	−0. 225	+0. 034	+0. 044	−0. 053	47. 62	−43. 53
18	ο Aurigæ	20	5 39 59. 08	+0. 042	−0. 243	+0. 046	+0. 064	+0. 071	15. 68	−43. 58
19	Boss 1457	20	5 48 39. 89	+0. 035	−0. 199	+0. 034	+0. 039	−0. 044	56. 37	−43. 55
	November 22, L.									
20	39 H. Cephei	20	23 28 27. 62	+0. 009	−0. 002	+0. 544	+0. 109	.....	43. 96	.....
21	Boss 6150	20	23 54 6. 57	+0. 015	+0. 033	+0. 033	+0. 016	+0. 009	22. 56	−44. 07
22	α Andromedæ	20	0 4 40. 44	+0. 015	+0. 025	+0. 034	+0. 017	+0. 005	56. 53	−43. 97
23	Boss 43	20	0 13 19. 76	+0. 019	−0. 007	+0. 038	+0. 024	0. 000	35. 85	−43. 97
24	Boss 82	20	0 24 20. 17	+0. 021	−0. 058	+0. 042	+0. 029	+0. 007	36. 32	−43. 93
25	δ Andromedæ	20	0 35 27. 80	+0. 017	−0. 049	+0. 035	+0. 020	−0. 008	43. 87	−43. 98
26	32 H. Camelopardalis S. P.	18	0 49 10. 47	+0. 023	−0. 031	+0. 544	−0. 117	.....	26. 33	.....
27	β Andromedæ	20	1 5 39. 14	+0. 039	−0. 049	+0. 037	+0. 048	−0. 004	55. 22	−44. 00
28	υ Piscium	20	1 15 28. 66	+0. 043	−0. 054	+0. 034	+0. 047	−0. 013	44. 69	−44. 04
29	Boss 321	20	1 23 14. 70	+0. 042	−0. 098	+0. 042	+0. 059	+0. 015	30. 79	−44. 03
30	υ Andromedæ	20	1 32 29. 14	+0. 044	−0. 126	+0. 040	+0. 058	+0. 006	45. 20	−44. 04
31	α Trianguli	20	1 48 55. 16	+0. 047	0. 096	+0. 034	+0. 053	−0. 019	11. 20	−44. 03
32	γ Andromedæ	20	1 59 21. 58	+0. 052	−0. 123	+0. 040	+0. 070	+0. 009	37. 63	−44. 07
33	β Trianguli	20	2 5 10. 02	+0. 052	−0. 112	+0. 036	+0. 063	−0. 010	26. 04	−44. 07
34	γ Trianguli	20	2 12 56. 58	+0. 053	−0. 127	+0. 036	+0. 063	−0. 014	12. 60	−44. 06
35	Boss 555	20	2 23 6. 63	+0. 052	−0. 147	+0. 035	+0. 060	−0. 022	22. 63	−44. 07
36	Boss 610	20	2 37 33. 80	+0. 058	−0. 138	+0. 039	+0. 076	+0. 003	49. 79	−44. 13
37	41 Arietis	20	2 45 39. 99	+0. 064	−0. 115	+0. 034	+0. 070	−0. 027	55. 97	−44. 10
38	Boss 672	20	2 54 44. 32	+0. 048	−0. 188	+0. 044	+0. 070	+0. 038	0. 42	−44. 05
	November 22, M.									
39	Boss 713	20	3 4 26. 34	+0. 042	−0. 323	+0. 042	+0. 059	+0. 044	42. 42	−44. 06
40	Boss 774	20	3 19 51. 79	+0. 066	−0. 197	+0. 036	+0. 078	−0. 023	7. 78	−44. 10
41	Boss 817	20	3 31 7. 47	+0. 081	−0. 089	+0. 045	+0. 119	+0. 021	23. 58	−44. 07
42	ζ Persei	20	3 49 28. 34	+0. 078	−0. 089	+0. 035	+0. 091	−0. 013	44. 44	−44. 01
43	Boss 944	20	4 2 26. 32	+0. 035	−0. 072	+0. 034	+0. 039	−0. 014	42. 33	−44. 05
44	Boss 1030	20	4 21 22. 74	+0. 105	−0. 090	+0. 035	+0. 122	−0. 014	38. 78	−44. 10
45	Boss 1074	20	4 31 28. 95	+0. 098	−0. 139	+0. 040	+0. 130	+0. 007	44. 95	−44. 18
46	Boss 1129	20	4 44 27. 01	+0. 097	−0. 149	+0. 035	+0. 112	−0. 023	43. 10	−44. 03
47	ε Ursæ Minoris S. P.	18	4 55 20. 22	+0. 102	−0. 090	+0. 426	−0. 387	.....	36. 28	.....
48	Boss 1222	20	5 5 3. 90	+0. 098	−0. 090	+0. 044	+0. 142	+0. 018	19. 90	−44. 20
49	λ Aurigæ	20	5 13 50. 70	+0. 100	−0. 102	+0. 039	+0. 131	+0. 003	6. 64	−44. 23
50	Boss 1311	20	5 22 41. 91	+0. 100	−0. 072	+0. 036	+0. 121	−0. 007	57. 92	−44. 14
51	Groombridge 944	20	5 35 11. 73	+0. 098	−0. 066	+0. 355	+0. 803	.....	29. 29	.....
52	Boss 1457	20	5 48 40. 32	+0. 105	−0. 043	+0. 034	+0. 116	−0. 010	56. 39	−44. 07
53	Boss 1498	20	5 57 51. 26	+0. 099	−0. 038	+0. 041	+0. 135	+0. 004	7. 27	−44. 17
	November 24, M.									
54	Boss 6150	20	23 54 7. 74	−0. 022	−0. 165	+0. 032	−0. 023	−0. 044	22. 53	−45. 17
55	α Andromedæ	20	0 4 41. 60	−0. 033	−0. 148	+0. 033	−0. 037	−0. 030	56. 51	−45. 06
56	Boss 43	20	0 13 20. 88	−0. 034	−0. 109	+0. 037	−0. 043	−0. 002	35. 82	−45. 05
57	Boss 82	20	0 24 21. 31	−0. 037	−0. 129	+0. 040	−0. 051	+0. 016	36. 28	−45. 03
58	δ Andromedæ	20	0 35 28. 93	−0. 042	−0. 160	+0. 034	−0. 048	−0. 028	43. 86	−45. 03
59	32 H. Camelopardalis S. P.	20	0 49 12. 69	−0. 040	−0. 185	+0. 534	+0. 203	.....	26. 62	.....
60	β Andromedæ	20	1 5 40. 30	−0. 036	−0. 174	+0. 035	−0. 044	−0. 014	55. 21	−45. 07

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	υ Piscium	20	1 15 29. 83	−0. 042	−0. 206	+0. 032	−0. 046	−0. 048	44. 68	−45. 09
2	Boss 321	20	1 23 15. 92	−0. 047	−0. 254	+0. 041	−0. 066	+0. 038	30. 77	−45. 16
3	υ Andromedæ	20	1 32 30. 38	−0. 046	−0. 245	+0. 038	−0. 061	+0. 012	45. 19	−45. 18
4	α Trianguli	20	1 48 56. 35	−0. 050	−0. 308	+0. 033	−0. 056	−0. 059	11. 20	−45. 07
5	γ Andromedæ	20	1 59 22. 77	−0. 053	−0. 258	+0. 039	−0. 071	+0. 018	37. 63	−45. 13
6	β Trianguli	20	2 5 11. 18	−0. 057	−0. 235	+0. 035	−0. 069	−0. 022	26. 04	−45. 08
7	γ Trianguli	20	2 12 57. 74	−0. 056	−0. 161	+0. 035	−−0. 067	−0. 018	12. 60	−45. 09
8	Boss 555	20	2 23 7. 90	−0. 053	−0. 194	+0. 034	−0. 061	−0. 030	22. 62	−45. 22
9	Boss 610	20	2 37 35. 02	−0. 052	−0. 248	+0. 038	−0. 068	+0. 005	49. 78	−45. 22
10	41 Arietis	20	2 45 41. 21	−0. 058	−0. 224	+0. 033	−0. 064	−0. 052	55. 98	−45. 15
11	47 H. Cephei	20	2 55 24. 42	−0. 056	−0. 182	+0. 153	−0. 226	.....	39. 87	.....
	November 24, L.									
12	Boss 713	20	3 4 27. 58	−0. 058	−0. 200	+0. 041	−0. 081	+0. 027	42. 42	−45. 15
13	Boss 740	20	3 12 46. 06	−0. 065	−0. 194	+0. 040	−0. 090	+0. 022	0. 88	−45. 15
14	Boss 774	20	3 19 53. 05	−0. 072	−0. 186	+0. 035	−0. 086	−0. 022	7. 79	−45. 19
15	Boss 817	20	3 31 8. 67	−0. 065	−0. 193	+0. 043	−0. 096	+0. 045	23. 59	−45. 07
16	ν Persei	20	3 40 7. 12	−0. 061	−0. 200	+0. 039	−0. 082	+0. 016	21. 96	−45. 13
17	ζ Persei	20	3 49 29. 65	−0. 071	−0. 162	+0. 034	−0. 083	−0. 024	44. 47	−45. 11
18	Boss 944	20	4 2 27. 68	−0. 078	−0. 156	+0. 033	−0. 088	−0. 031	42. 35	−45. 24
19	Boss 970	20	4 9 48. 34	−0. 088	−0. 187	+0. 038	−0. 115	+0. 006	3. 11	−45. 16
20	Boss 1030	20	4 21 24. 07	−0. 090	−0. 193	+0. 034	−0. 104	−0. 030	38. 80	−45. 17
21	Boss 1074	20	4 31 30. 22	−0. 090	−0. 201	+0. 038	−0. 119	+0. 010	44. 98	−45. 17
22	Boss 1129	20	4 44 28. 40	−0. 095	−0. 200	+0. 034	−0. 110	−0. 031	43. 12	−45. 17
23	ε Ursæ Minoris S. P.	24	4 55 22. 00	−0. 099	−0. 197	+0. 419	+0. 376	.....	36. 17	.....
24	Boss 1222	20	5 5 5. 14	−0. 096	−0. 220	+0. 042	−0. 139	+0. 044	19. 93	−45. 16
25	λ Aurigæ	20	5 13 51. 93	−0. 096	−0. 193	+0. 038	−0. 125	+0. 005	6. 69	−45. 16
26	Boss 1369	20	5 32 32. 98	−0. 095	−0. 180	+0. 033	−0. 104	−0. 042	47. 67	−45. 20
27	ο Aurigæ	20	5 40 0. 99	−0. 095	−0. 178	+0. 045	−0. 144	+0. 052	15. 78	−45. 16
28	Boss 1457	20	5 48 41. 71	−0. 093	−0. 174	+0. 033	−0. 103	−0. 038	56. 43	−45. 17
29	δ Ursæ Minoris S. P.	20	6 0 26. 80	−0. 094	−0. 201	+0. 965	+0. 925	.....	40. 83	.....
	November 25, L.									
30	α Andromedæ	20	0 4 41. 96	+0. 009*	+0. 048	+0. 033	+0. 010	+0. 010	56. 50	−45. 51
31	Boss 43	20	0 13 21. 38	+0. 015	+0. 086	+0. 037	+0. 019	+0. 001	35. 80	−45. 64
32	Boss 82	20	0 24 21. 84	+0. 029	+0. 077	+0. 040	+0. 040	−0. 009	36. 27	−45. 64
33	δ Andromedæ	20	0 35 29. 42	+0. 036	+0. 086	+0. 034	+0. 041	+0. 015	43. 85	−45. 66
34	32 H. Camelopardalis S. P.	10	0 49 11. 63	+0. 044	+0. 104	+0. 534	−0. 223	.....	26. 76	.....
35	γ Andromedæ	20	1 59 23. 22	+0. 042	+0. 116	+0. 039	+0. 056	−0. 008	37. 63	−45. 68
36	β Trianguli	20	2 5 11. 67	+0. 035	+0. 127	+0. 035	+0. 042	+0. 012	26. 04	−45. 72
37	γ Trianguli	20	2 12 58. 29	+0. 032	+0. 115	+0. 035	+0. 038	+0. 013	12. 60	−45. 78
38	Boss 610	20	2 37 35. 50	+0. 025	+0. 060	+0. 038	+0. 033	−0. 001	49. 79	−45. 78
39	41 Arietis	20	2 45 41. 64	+0. 027	+0. 032	+0. 033	+0. 030	+0. 007	55. 98	−45. 73
40	Boss 672	20	2 54 46. 08	+0. 036	+0. 050	+0. 042	+0. 052	−0. 010	0. 43	−45. 73
41	Boss 713	20	3 4 28. 18	+0. 034	+0. 045	+0. 041	+0. 047	−0. 006	42. 43	−45. 83
	November 25, M.									
42	ν Persei	20	3 40 7. 60	+0. 020	−0. 066	+0. 039	+0. 027	+0. 005	21. 97	−45. 70
	December 3, L.									
43	Boss 43	20	0 13 25. 47	+0. 045	+0. 063	+0. 033	+0. 057	+0. 001	35. 73	−49. 83
44	δ Andromedæ	20	0 35 33. 51	+0. 063	+0. 098	+0. 030	+0. 072	+0. 017	43. 77	−49. 86
45	32 H. Camelopardalis S. P.	20	0 49 18. 06	+0. 054	+0. 046	+0. 506	−0. 274	.....	28. 05	.....
46	43 H. Cephei	12	0 57 37. 60	+0. 052	+0. 013	+0. 355	+0. 486	.....	48. 43	.....
47	β Andromedæ	20	1 5 44. 84	+0. 061	+0. 046	+0. 032	+0. 074	+0. 004	55. 14	−49. 81
48	υ Piscium	20	1 15 34. 48	+0. 071	+0. 094	+0. 029	+0. 078	+0. 022	44. 63	−49. 98
49	Boss 321	20	1 23 20. 50	+0. 068	+0. 102	+0. 037	+0. 096	−0. 015	30. 73	−49. 89
50	υ Andromedæ	20	1 32 34. 99	+0. 070	+0. 082	+0. 034	+0. 093	−0. 004	45. 15	−49. 96
51	γ Andromedæ	20	1 59 27. 38	+0. 090	+0. 054	+0. 035	+0. 121	−0. 004	37. 60	−49. 93
52	β Trianguli	20	2 5 15. 82	+0. 089	+0. 052	+0. 032	+0. 108	+0. 005	26. 03	−49. 93
53	γ Trianguli	20	2 13 2. 38	+0. 103	+0. 048	+0. 031	+0. 123	+0. 005	12. 60	−49. 94
54	Boss 555	20	2 23 12. 47	+0. 123	+0. 024	+0. 030	+0. 143	+0. 004	22. 66	−49. 99
55	Boss 610	20	2 37 39. 58	+0. 118	−0. 021	+0. 034	+0. 154	0. 000	49. 84	−49. 93

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	41 Arietis	20	2 45 45.82	+0.120	−0.029	+0.029	+0.132	−0.007	56.01	−49.96
2	Boss 672	20	2 54 50.18	+0.126	−0.017	+0.038	+0.183	+0.003	0.49	−49.91
3	Boss 713	20	3 4 32.21	+0.121	−0.050	+0.036	+0.169	+0.007	42.51	−49.91
4	Boss 740	20	3 12 50.68	+0.123	−0.057	+0.036	+0.170	+0.007	0.98	−49.91
5	Boss 774	20	3 19 57.72	+0.124	−0.066	+0.031	+0.147	−0.008	7.89	−50.00
6	Boss 817	20	3 31 13.32	+0.128	−0.127	+0.039	+0.189	+0.030	23.71	−49.87
	December 3, M.									
7	ν Persei	20	3 40 11.83	+0.120	−0.153	+0.035	+0.162	+0.012	22.05	−49.99
8	ζ Persei	20	3 49 34.41	+0.103	−0.173	+0.031	+0.120	−0.026	44.56	−49.97
9	Boss 944	20	4 2 32.34	+0.092	−0.067	+0.030	+0.103	−0.013	42.49	−49.97
10	Boss 970	20	4 9 53.15	+0.082	−0.033	+0.034	+0.107	+0.001	3.28	−50.01
11	Boss 1030	20	4 21 28.71	+0.082	−0.041	+0.030	+0.095	−0.006	38.96	−49.87
12	Boss 1074	20	4 31 34.98	+0.092	−0.050	+0.035	+0.122	+0.003	45.17	−49.97
13	Boss 1129	20	4 44 33.18	+0.103	−0.064	+0.030	+0.119	−0.010	43.31	−50.01
14	ε Ursæ Minoris S. P.	20	4 55 25.40	+0.104	−0.088	+0.397	−0.395	.....	35.65	.....
15	Boss 1222	20	5 5 10.03	+0.094	−0.090	+0.038	+0.136	+0.018	20.18	−50.04
16	λ Aurigæ	20	5 13 56.74	+0.088	−0.084	+0.034	+0.115	+0.002	6.88	−50.01
17	Groombridge 944	24	5 35 19.04	+0.094	−0.089	+0.308	+0.770	.....	31.13	.....
18	Boss 1457	20	5 48 46.50	+0.094	−0.109	+0.029	+0.104	−0.024	56.67	−49.94
19	Boss 1498	20	5 57 57.45	+0.090	−0.121	+0.035	+0.123	+0.011	7.61	−50.01
20	Boss 1565	20	6 10 45.15	+0.099	−0.067	+0.030	+0.112	−0.013	55.28	−50.00
21	μ Geminorum	20	6 18 36.68	+0.100	−0.056	+0.028	+0.104	−0.017	46.75	−50.05
22	51 Aurigæ	20	6 33 33.48	+0.088	−0.117	+0.034	+0.114	+0.002	43.55	−50.08
	December 4, M.									
23	δ Andromedæ	20	0 35 34.11	−0.011	+0.099	+0.030	−0.013	+0.017	43.76	−50.38
24	32 H. Camelopardalis S. P.	20	0 49 17.87	−0.011	+0.066	+0.506	+0.056	.....	28.22	.....
25	β Andromedæ	20	1 5 45.51	−0.015	+0.077	+0.032	−0.018	+0.006	55.13	−50.40
26	υ Piscium	20	1 15 35.01	−0.013	+0.084	+0.029	−0.014	+0.020	44.63	−50.41
27	Boss 321	20	1 23 21.16	−0.001	+0.096	+0.037	−0.001	−0.014	30.71	−50.47
28	υ Andromedæ	20	1 32 35.61	−0.003	+0.097	+0.034	−0.004	−0.005	45.14	−50.50
29	α Trianguli	20	1 49 1.58	−0.007	+0.097	+0.030	−0.008	+0.019	11.17	−50.45
30	γ Andromedæ	20	1 59 28.01	−0.005	+0.121	+0.035	−0.007	−0.008	37.60	−50.43
31	β Trianguli	20	2 5 16.41	−0.005	+0.132	+0.032	−0.006	+0.012	26.02	−50.43
32	γ Trianguli	20	2 13 2.98	−0.007	+0.130	+0.031	−0.008	+0.015	12.59	−50.43
33	Boss 555	20	2 23 13.05	−0.003	+0.091	+0.030	−0.003	+0.014	22.65	−50.44
34	Boss 610	20	2 37 40.28	−0.004	+0.067	+0.034	−0.005	−0.001	49.83	−50.48
35	41 Arietis	20	2 45 46.38	+0.005	+0.073	+0.029	+0.005	+0.017	56.01	−50.42
36	47 H. Cephei	20	2 55 30.83	+0.019	+0.081	+0.137	+0.077	.....	39.76	.....
37	Boss 740	20	3 12 51.46	+0.011	+0.082	+0.036	+0.015	−0.009	0.98	−50.52
38	Boss 774	20	3 19 58.37	+0.017	+0.089	+0.031	+0.020	+0.011	7.89	−50.54
39	Boss 817	20	3 31 14.12	+0.025	+0.089	+0.039	+0.037	−0.021	23.71	−50.47
40	ν Persei	20	3 40 12.49	+0.015	+0.089	+0.035	+0.020	−0.007	22.05	−50.49
	December 4, L.									
41	ζ Persei	20	3 49 34.99	+0.027	+0.089	+0.031	+0.031	+0.013	44.57	−50.49
42	Boss 944	20	4 2 32.94	+0.037	+0.100	+0.030	+0.042	+0.020	42.49	−50.54
43	Boss 970	20	4 9 53.69	+0.036	+0.117	+0.034	+0.047	−0.004	3.28	−50.49
44	Boss 1030	20	4 21 29.42	+0.043	+0.123	+0.030	+0.050	+0.019	38.97	−50.55
45	Boss 1074	20	4 31 35.57	+0.048	+0.145	+0.035	+0.064	−0.007	45.18	−50.48
46	Boss 1129	20	4 44 33.78	+0.047	+0.160	+0.030	+0.054	+0.025	43.32	−50.57
47	ε Ursæ Minoris S. P.	22	4 55 24.99	+0.037	+0.131	+0.397	−0.140	.....	35.63	.....
48	Boss 1222	20	5 5 10.66	+0.029	+0.131	+0.038	+0.042	−0.026	20.19	−50.52
49	λ Aurigæ	20	5 13 57.34	+0.028	+0.143	+0.034	+0.037	−0.004	6.90	−50.51
50	Boss 1311	20	5 22 48.60	+0.029	+0.140	+0.032	+0.035	+0.013	58.20	−50.48
51	Boss 1369	20	5 32 38.38	+0.034	+0.122	+0.029	+0.037	+0.029	47.91	−50.57
52	o Aurigæ	20	5 40 6.53	+0.036	+0.115	+0.040	+0.055	−0.034	16.06	−50.53
53	Boss 1457	20	5 48 47.12	+0.031	+0.123	+0.029	+0.034	+0.027	56.69	−50.52
54	δ Ursæ Minoris S. P.	22	6 0 25.63	+0.024	+0.126	+0.914	−0.236	.....	38.37	.....
55	Boss 1565	20	6 10 45.77	+0.026	+0.135	+0.030	+0.030	+0.025	55.30	−50.55
56	μ Geminorum	20	6 18 37.25	+0.020	+0.139	+0.028	+0.021	+0.042	46.78	−50.56
57	51 Aurigæ	20	6 33 34.10	+0.010	+0.127	+0.034	+0.013	−0.002	43.58	−50.56
58	ψ^5 Aurigæ	20	6 41 24.65	+0.015	+0.117	+0.036	+0.021	−0.013	34.20	−50.49

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	December 5, L.		h m s	s	s	s	s	s	s	s
1	Bradley 1672 s. p.	16	0 15 17.12	+0.030	+0.204	+1.692	−0.567	.....	31.50	.....
2	43 H. Cephei	20	0 57 39.51	+0.038	+0.192	+0.355	+0.355	.....	47.95	.....
3	β Andromedæ	20	1 5 46.00	+0.036	+0.153	+0.032	+0.044	+0.012	55.12	−50.97
4	υ Piscium	20	1 15 35.48	+0.044	+0.164	+0.029	+0.048	+0.039	44.62	−50.98
5	Boss 321	20	1 23 21.58	+0.044	+0.151	+0.037	+0.062	−0.022	30.70	−50.96
6	υ Andromedæ	20	1 32 36.04	+0.057	+0.120	+0.034	+0.075	−0.006	45.13	−51.01
7	α Trianguli	20	1 49 2.03	+0.076	+0.073	+0.030	+0.086	+0.014	11.17	−50.99
8	γ Andromedæ	20	1 59 28.48	+0.076	+0.049	+0.035	+0.102	−0.003	37.59	−51.02
9	β Trianguli	20	2 5 16.90	+0.067	+0.046	+0.032	+0.081	+0.004	26.02	−51.00
10	γ Trianguli	20	2 13 3.52	+0.071	+0.046	+0.031	+0.085	+0.005	12.59	−51.05
11	Boss 555	20	2 23 13.58	+0.080	+0.066	+0.030	+0.093	+0.010	22.64	−51.07
12	Boss 610	20	2 37 40.75	+0.066	+0.057	+0.034	+0.086	−0.001	49.82	−51.05
13	41 Arietis	20	2 45 46.92	+0.059	+0.031	+0.029	+0.065	+0.007	56.01	−51.01
14	Boss 672	20	2 54 51.32	+0.062	+0.025	+0.038	+0.090	−0.005	0.48	−50.96
15	Boss 713	20	3 4 33.46	+0.066	+0.027	+0.036	+0.092	−0.004	42.50	−51.08
16	Boss 740	20	3 12 51.90	+0.062	+0.023	+0.036	+0.085	−0.003	0.97	−51.05
17	Boss 774	20	3 19 58.85	+0.052	+0.029	+0.031	+0.062	+0.003	7.88	−51.07
18	Boss 817	20	3 31 14.58	+0.060	+0.039	+0.039	+0.088	−0.009	23.70	−51.00
19	ν Persei	20	3 40 13.02	+0.062	−0.015	+0.035	+0.084	+0.001	22.06	−51.08
	December 5, M.									
20	ζ Persei	20	3 49 35.52	+0.047	−0.089	+0.031	+0.055	−0.013	44.58	−51.01
21	Boss 944	20	4 2 33.52	+0.034	−0.071	+0.030	+0.038	−0.014	42.49	−51.08
22	Boss 970	20	4 9 54.24	+0.033	−0.053	+0.034	+0.043	+0.002	3.28	−51.04
23	Boss 1030	20	4 21 29.98	+0.044	−0.036	+0.030	+0.051	−0.006	38.98	−51.08
24	Boss 1074	20	4 31 36.10	+0.043	−0.052	+0.035	+0.057	+0.003	45.18	−51.02
25	Boss 1129	20	4 44 34.38	+0.036	−0.063	+0.030	+0.042	−0.010	43.33	−51.11
26	ε Ursæ Minoris s. p.	20	4 55 26.92	+0.040	−0.092	+0.397	−0.152	.....	35.62	.....
27	Boss 1222	20	5 5 11.16	+0.042	−0.131	+0.038	+0.061	+0.026	20.20	−51.08
28	λ Aurigæ	20	5 13 57.88	+0.046	−0.140	+0.034	+0.060	+0.004	6.92	−51.06
29	Boss 1311	20	5 22 49.17	+0.043	−0.089	+0.032	+0.052	−0.009	58.21	−51.04
30	Boss 1369	20	5 32 38.97	+0.034	−0.037	+0.029	+0.037	−0.009	47.92	−51.11
31	ο Aurigæ	20	5 40 7.08	+0.025	−0.086	+0.040	+0.038	+0.025	16.09	−51.09
32	Boss 1457	20	5 48 47.70	+0.023	−0.096	+0.029	+0.025	−0.021	56.70	−51.03
33	δ Ursæ Minoris s. p.	24	6 0 29.36	+0.017	−0.077	+0.914	−0.167	.....	38.22	.....
34	μ Geminorum	20	6 18 37.89	+0.011	−0.102	+0.028	+0.011	−0.031	46.80	−51.10
35	51 Aurigæ	20	6 33 34.69	+0.036	−0.113	+0.034	+0.047	+0.001	43.61	−51.16
36	ψ^5 Aurigæ	20	6 41 25.29	+0.035	−0.130	+0.036	+0.048	+0.015	34.23	−51.16
	December 8, L.									
37	β Trianguli	20	2 5 18.65	−0.046	+0.003	+0.030	−0.056	0.000	26.01	−52.61
38	γ Trianguli	20	2 13 5.18	−0.029	−0.032	+0.030	−0.035	−0.004	12.58	−52.59
39	Boss 610	20	2 37 42.46	−0.005	−0.069	+0.033	−0.007	+0.001	49.80	−52.69
40	41 Arietis	20	2 45 48.71	−0.003	−0.052	+0.028	−0.003	−0.012	56.01	−52.71
41	Boss 713	20	3 4 35.34	−0.176*	−0.042	+0.035	−0.246	+0.006	42.48	−52.66
42	Boss 740	20	3 12 53.85	−0.182	−0.029	+0.035	−0.251	+0.003	0.96	−52.68
43	Boss 774	20	3 20 0.79	−0.164	+0.004	+0.030	−0.195	0.000	7.87	−52.76
44	Boss 817	20	3 31 16.20	+0.029*	+0.053	+0.037	+0.043	−0.012	23.70	−52.57
45	ν Persei	20	3 40 14.66	+0.034	+0.054	+0.034	+0.046	−0.004	22.08	−52.66
46	ζ Persei	20	3 49 37.21	+0.032	+0.029	+0.029	+0.037	+0.004	44.60	−52.68
	December 8, M.									
47	Groombridge 750	22	4 10 15.11	+0.028	+0.024	+0.307	+0.237	.....	22.41	.....
48	Boss 1074	20	4 31 37.83	+0.027	−0.029	+0.033	+0.036	+0.001	45.20	−52.70
49	Boss 1129	20	4 44 36.00	+0.027	−0.028	+0.029	+0.031	−0.004	43.34	−52.72
50	ε Ursæ Minoris s. p.	20	4 55 28.14	+0.026	−0.025	+0.389	−0.099	.....	35.61	.....
51	Boss 1222	20	5 5 12.91	+0.029	+0.007	+0.037	+0.042	−0.001	20.23	−52.76
52	λ Aurigæ	20	5 13 59.61	+0.032	+0.021	+0.033	+0.042	0.000	6.98	−52.71
53	Boss 1311	20	5 22 50.84	+0.029	−0.003	+0.030	+0.035	0.000	58.24	−52.67
54	Boss 1369	20	5 32 40.59	+0.030	+0.018	+0.028	+0.033	+0.004	47.96	−52.69
55	ο Aurigæ	20	5 40 8.73	+0.037	+0.011	+0.039	+0.056	−0.003	16.16	−52.66
56	Boss 1457	20	5 48 49.39	+0.051	+0.020	+0.028	+0.056	+0.004	56.74	−52.74
57	δ Ursæ Minoris s. p.	20	6 0 29.06	+0.046	+0.060	+0.897	−0.453	.....	37.83	.....
58	μ Geminorum	20	6 18 39.48	+0.036	+0.063	+0.027	+0.037	+0.019	46.87	−52.69
59	51 Aurigæ	20	6 33 36.36	+0.042	+0.055	+0.032	+0.054	−0.001	43.69	−52.75
60	ψ^5 Aurigæ	20	6 41 26.94	+0.039	+0.017	+0.035	+0.054	−0.002	34.32	−52.71

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	December 9, M.		h m s	s	s	s	s	s	s	s
1	32 H.Camelopardalis s.p.	22	0 49 21.78	−0.027	−0.017	+0.487	+0.137	.....	29.11	.....
2	β Andromedæ	20	1 5 48.18	−0.038	−0.056	+0.029	−0.046	−0.004	55.08	−53.08
3	υ Piscium	20	1 15 37.61	−0.036	−0.062	+0.027	−0.039	−0.015	44.59	[−52.99]
4	υ Andromedæ	20	1 32 38.27	−0.029	−0.029	+0.032	−0.038	+0.001	45.09	−53.18
5	α Trianguli	20	1 49 4.25	−0.030	−0.011	+0.027	−0.034	−0.002	11.15	−53.09
6	γ Andromedæ	14	1 59 30.78	−0.023	−0.010	+0.032	−0.031	+0.001	37.57	−53.21
7	β Trianguli	20	2 5 19.13	−0.019	−0.014	+0.029	−0.023	−0.001	26.00	−53.13
8	Boss 610	20	2 37 42.96	−0.022	−0.028	+0.031	−0.029	+0.001	49.79	−53.17
9	41 Arietis	20	2 45 49.16	−0.025	−0.036	+0.027	−0.027	−0.008	56.01	−53.14
10	47 H. Cephei	22	2 55 33.13	−0.027	−0.014	+0.127	−0.109	.....	39.63	.....
11	Boss 740	20	3 12 54.27	−0.027	−0.070	+0.033	−0.037	+0.008	0.95	−53.32
12	Boss 774	20	3 20 1.08	−0.025	−0.092	+0.029	−0.030	−0.011	7.87	−53.20
13	Boss 817	20	3 31 16.90	−0.026	−0.098	+0.036	−0.038	+0.023	23.70	−53.22
14	ν Persei	20	3 40 15.31	−0.024	−0.119	+0.032	−0.032	+0.010	22.08	−53.24
15	ζ Persei	20	3 49 37.78	−0.013	−0.119	+0.028	−0.015	−0.018	44.61	−53.17
16	Boss 944	20	4 2 35.74	−0.012	−0.086	+0.027	−0.013	−0.017	42.50	−53.24
	December 9, L.									
17	Boss 970	20	4 9 56.53	−0.011	−0.033	+0.031	−0.014	+0.001	3.29	−53.26
18	Boss 1030	20	4 21 32.27	−0.009	−0.047	+0.028	−0.010	−0.007	38.99	−53.29
19	Boss 1074	20	4 31 38.43	−0.009	−0.026	+0.032	−0.012	+0.001	45.20	−53.25
20	Boss 1129	20	4 44 36.66	−0.003	−0.012	+0.028	−0.003	−0.002	43.35	−53.33
21	ε Ursæ Minoris s. p.	22	4 55 28.95	−0.009	−0.006	+0.382	+0.034	.....	35.59	.....
22	Boss 1222	20	5 5 13.55	−0.009	−0.034	+0.035	−0.013	+0.007	20.25	−53.33
23	λ Aurigæ	20	5 14 0.19	−0.009	−0.054	+0.031	−0.012	+0.001	6.99	−53.22
24	Boss 1311	20	5 22 51.46	−0.007	−0.045	+0.029	−0.008	−0.004	58.26	−53.22
25	Boss 1369	20	5 32 41.18	−0.009	+0.015	+0.027	−0.010	+0.004	47.97	−53.23
26	ο Aurigæ	20	5 40 9.32	−0.017	+0.014	+0.037	−0.026	−0.004	16.19	−53.14
27	Boss 1457	20	5 48 49.99	−0.015	+0.012	+0.027	−0.017	−0.003	56.75	−53.25
28	Boss 1565	20	6 10 48.65	−0.005	+0.024	+0.028	−0.006	+0.004	55.38	−53.30
29	μ Geminorum	20	6 18 40.14	+0.007	+0.037	+0.026	+0.007	+0.011	46.89	−53.29
30	51 Aurigæ	20	6 33 36.99	+0.010	+0.028	+0.031	+0.013	0.000	43.72	−53.31
31	ψ^5 Aurigæ	20	6 41 27.58	+0.007	−0.003	+0.033	+0.010	0.000	34.35	−53.27
32	θ Geminorum	20	6 48 2.15	+0.010	−0.017	+0.029	+0.012	−0.002	8.89	−53.30
33	51 H. Cephei	22	7 1 55.54	+0.015	−0.003	+0.489	+0.203	.....	4.16	.....
	December 11, M.									
34	υ Andromedæ	13	1 32 39.31	−0.027	−0.185	+0.029	−0.036	+0.009	45.07	−54.24
35	α Trianguli	16	1 49 5.44	−0.048	−0.170	+0.025	−0.054	−0.033	11.14	−54.24
36	γ Andromedæ	16	1 59 31.79	−0.058	−0.114	+0.030	−0.078	+0.008	37.55	−54.20
37	β Trianguli	16	2 5 20.25	−0.064	−0.095	+0.027	−0.078	−0.009	25.99	−54.20
38	γ Trianguli	18	2 13 6.98	−0.063	−0.064	+0.026	−0.075	−0.007	12.56	−54.36
39	Boss 610	18	2 37 44.14	−0.048	−0.119	+0.029	−0.062	+0.002	49.79	−54.32
40	47 H. Cephei	14	2 55 33.64	−0.041	−0.105	+0.116	−0.165	.....	39.56	.....
41	Boss 713	20	3 4 36.82	−0.042	−0.109	+0.031	−0.059	+0.015	42.48	−54.33
42	Boss 740	16	3 12 55.22	−0.043	−0.137	+0.030	−0.059	+0.016	0.96	−54.25
43	Boss 817	20	3 31 18.00	−0.049	−0.123	+0.033	−0.072	+0.029	23.71	−54.28
44	ν Persei	16	3 40 16.43	−0.051	−0.120	+0.030	−0.069	+0.010	22.10	−54.30
45	ζ Persei	20	3 49 38.86	−0.049	−0.091	+0.026	−0.057	−0.014	44.63	−54.18
46	Boss 944	16	4 2 36.78	−0.059	−0.071	+0.025	−0.066	−0.014	42.52	−54.20
47	Groombridge 750	12	4 10 15.77	−0.054	−0.083	+0.270	−0.457	.....	22.46	.....
	December 11, L.									
48	Boss 1030	20	4 21 33.32	−0.039	−0.014	+0.026	−0.045	−0.002	39.02	−54.28
49	Boss 1074	20	4 31 39.50	−0.042	−0.016	+0.029	−0.056	+0.001	45.23	−54.24
50	Boss 1129	20	4 44 37.73	−0.047	−0.032	+0.026	−0.054	−0.005	43.38	−54.32
51	ε Ursæ Minoris s. p.	24	4 55 29.76	−0.061	−0.050	+0.367	+0.231	.....	35.55	.....
52	Boss 1222	20	5 5 14.58	−0.068	−0.075	+0.032	−0.099	+0.015	20.28	−54.25
53	λ Aurigæ	20	5 14 1.35	−0.064	−0.071	+0.029	−0.084	+0.002	7.03	−54.27
54	Boss 1311	20	5 22 52.63	−0.063	−0.051	+0.027	−0.076	−0.005	58.30	−54.28
55	Boss 1369	20	5 32 42.41	−0.058	−0.041	+0.025	−0.064	−0.010	48.01	−54.35
56	ο Aurigæ	20	5 40 10.48	−0.055	−0.064	+0.034	−0.084	+0.019	16.24	−54.21
57	Boss 1457	20	5 48 51.19	−0.056	−0.047	+0.025	−0.062	−0.010	56.80	−54.34
58	Boss 1498	20	5 58 2.01	−0.054	−0.036	+0.030	−0.074	+0.003	7.76	−54.21
59	Boss 1565	20	6 10 49.82	−0.062	−0.047	+0.025	−0.070	−0.009	55.42	−54.35
60	μ Geminorum	20	6 18 41.32	−0.067	−0.031	+0.024	−0.070	−0.009	46.93	−54.33

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	51 Aurigæ	20	6 33 38.18	−0.056	−0.066	+0.028	−0.073	+0.001	43.77	−54.37
2	ψ^5 Aurigæ	20	6 41 28.78	−0.055	−0.086	+0.030	−0.076	+0.010	34.40	−54.34
3	θ Geminorum	20	6 48 3.37	−0.057	−0.071	+0.027	−0.069	−0.007	8.94	−54.38
4	51 H. Cephei	22	7 1 57.60	−0.057	−0.075	+0.448	−0.077	.....	4.77	.....
	December 12, L.									
5	32 H. Camelopardalis s. p.	24	0 49 23.65	+0.071	+0.036	+0.469	−0.360	.....	29.68	.....
6	43 H. Cephei	22	0 57 40.68	+0.058	+0.032	+0.301	+0.542	.....	46.49	.....
7	Boss 321	20	1 23 25.30	+0.053	+0.033	+0.031	+0.074	−0.005	30.61	−54.79
8	υ Andromedæ	20	1 32 39.76	+0.066	+0.023	+0.029	+0.087	−0.001	45.06	−54.82
9	α Trianguli	20	1 49 5.79	+0.081	+0.032	+0.025	+0.091	+0.006	11.13	−54.78
10	γ Andromedæ	20	1 59 32.17	+0.082	+0.026	+0.030	+0.110	−0.002	37.55	−54.76
11	β Trianguli	20	2 5 20.63	+0.076	+0.016	+0.027	+0.092	+0.001	25.99	−54.76
12	γ Trianguli	20	2 13 7.29	+0.078	+0.039	+0.026	+0.093	+0.004	12.56	−54.85
13	Boss 555	20	2 23 17.38	+0.089	+0.016	+0.026	+0.103	+0.002	22.61	−54.90
14	41 Arietis	20	2 45 50.76	+0.101	−0.038	+0.025	+0.111	−0.009	56.01	−54.88
15	Boss 672	20	2 54 55.04	+0.104	−0.109	+0.032	+0.151	+0.022	0.46	−54.78
16	Boss 740	20	3 12 55.64	+0.103	−0.199	+0.030	+0.142	+0.023	0.97	−54.86
17	Boss 774	20	3 20 2.66	+0.101	−0.233	+0.026	+0.120	−0.028	7.89	−54.89
18	Boss 817	20	3 31 18.28	+0.080	−0.221	+0.033	+0.118	+0.052	23.72	−54.76
19	ν Persei	20	3 40 16.71	+0.074	−0.214	+0.030	+0.100	+0.017	22.10	−54.76
20	ζ Persei	20	3 49 39.32	+0.095	−0.195	+0.026	+0.111	−0.029	44.63	−54.80
21	Boss 944	20	4 2 37.28	+0.090	−0.147	+0.025	+0.101	−0.029	42.53	−54.85
22	Groombridge 750	20	4 10 14.30	+0.095	−0.199	+0.270	+0.805	.....	22.49	.....
23	Boss 1030	20	4 21 33.78	+0.110	−0.262	+0.026	+0.127	−0.041	39.03	−54.86
	December 12, M.									
24	Boss 1074	20	4 31 39.94	+0.102	−0.216	+0.029	+0.135	+0.011	45.25	−54.87
25	Boss 1129	20	4 44 38.21	+0.090	−0.235	+0.026	+0.104	−0.037	43.40	−54.90
26	ε Ursæ Minoris s. p.	22	4 55 31.79	+0.089	−0.260	+0.367	−0.338	.....	35.52	.....
27	Boss 1222	20	5 5 15.06	+0.085	−0.262	+0.032	+0.123	+0.053	20.31	−54.96
28	λ Aurigæ	20	5 14 1.74	+0.084	−0.232	+0.029	+0.110	+0.006	7.05	−54.83
29	Boss 1311	20	5 22 53.05	+0.094	−0.131	+0.027	+0.114	−0.013	58.32	−54.86
30	Groombridge 944	24	5 35 25.13	+0.098	−0.107	+0.261	+0.804	.....	32.04	.....
31	Boss 1457	20	5 48 51.61	+0.095	−0.141	+0.025	+0.105	−0.031	56.82	−54.89
32	Boss 1498	20	5 58 2.43	+0.092	−0.171	+0.030	+0.125	+0.016	7.79	−54.81
33	Boss 1565	20	6 10 50.17	+0.092	−0.191	+0.025	+0.104	−0.036	55.45	−54.81
34	μ Geminorum	20	6 18 41.67	+0.082	−0.178	+0.024	+0.085	−0.054	46.95	−54.77
35	51 Aurigæ	20	6 33 38.54	+0.069	−0.210	+0.028	+0.089	+0.003	43.80	−54.86
36	ψ^5 Aurigæ	20	6 41 29.07	+0.078	−0.177	+0.030	+0.107	+0.020	34.43	−54.80
37	θ Geminorum	20	6 48 3.64	+0.085	−0.170	+0.027	+0.102	−0.017	8.97	−54.78
38	51 H. Cephei	20	7 1 56.47	+0.082	−0.178	+0.448	+1.112	.....	5.11	.....
	December 13, M.									
39	Boss 555	20	2 23 18.02	−0.049	+0.013	+0.025	−0.057	+0.002	22.61	−55.38
40	Boss 610	20	2 37 45.17	−0.036	−0.055	+0.027	−0.047	+0.001	49.80	−55.35
41	41 Arietis	20	2 45 51.23	−0.048	−0.047	+0.024	−0.053	−0.011	56.00	−55.19
42	47 H. Cephei	16	2 55 35.31	−0.044	−0.007	+0.111	−0.178	.....	39.49	.....
43	Boss 740	18	3 12 56.20	−0.040	−0.091	+0.029	−0.055	+0.010	0.98	−55.20
44	Boss 774	20	3 20 3.24	−0.044	−0.035	+0.025	−0.052	−0.004	7.90	−55.31
45	Boss 817	20	3 31 19.00	−0.046	−0.008	+0.031	−0.068	+0.002	23.73	−55.23
46	ν Persei	18	3 40 17.34	−0.046	−0.076	+0.028	−0.062	+0.006	22.10	−55.21
47	ζ Persei	20	3 49 39.89	−0.043	−0.033	+0.025	−0.050	−0.005	44.63	−55.23
48	Groombridge 750	24	4 10 18.21	−0.039	−0.029	+0.258	−0.330	.....	22.51	.....
	December 13, L.									
49	Boss 1030	20	4 21 34.42	−0.033	−0.082	+0.025	−0.038	−0.013	39.05	−55.34
50	Boss 1074	20	4 31 40.66	−0.030	−0.038	+0.028	−0.040	+0.002	45.27	−55.38
51	Boss 1129	20	4 44 38.80	−0.038	−0.034	+0.025	−0.044	−0.005	43.42	−55.36
52	ε Ursæ Minoris s. p.	22	4 55 31.07	−0.044	−0.039	+0.360	+0.167	.....	35.48	.....
53	Boss 1222	20	5 5 15.69	−0.037	−0.064	+0.031	−0.054	+0.013	20.33	−55.35
54	λ Aurigæ	20	5 14 2.41	−0.023	−0.066	+0.027	−0.030	+0.002	7.06	−55.35
55	Boss 1311	20	5 22 53.78	−0.025	−0.065	+0.025	−0.030	−0.006	58.34	−55.43
56	Boss 1369	20	5 32 43.47	−0.038	−0.040	+0.024	−0.042	−0.009	48.05	−55.39
57	ο Aurigæ	20	5 40 11.64	−0.038	−0.046	+0.033	−0.058	+0.013	16.28	−55.35

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 1457	20	5 48 52.22	−0.033	−0.054	+0.024	−0.036	−0.012	56.84	−55.36
2	Boss 1498	20	5 58 3.19	−0.023	−0.083	+0.029	−0.031	+0.008	7.82	−55.38
3	Boss 1565	20	6 10 50.91	−0.034	−0.103	+0.024	−0.039	−0.019	55.48	−55.40
4	μ Geminorum	20	6 18 42.42	−0.037	−0.076	+0.023	−0.038	−0.023	46.97	−55.41
5	51 Aurigæ	20	6 33 39.19	−0.023	−0.099	+0.027	−0.030	+0.001	43.82	−55.37
6	ψ^5 Aurigæ	20	6 41 29.84	−0.021	−0.064	+0.029	−0.029	+0.007	34.46	−55.39
7	θ Geminorum	20	6 48 4.40	−0.024	+0.032	+0.025	−0.029	+0.003	8.99	−55.41
8	Boss 1840	20	7 6 37.05	−0.027	+0.054	+0.024	−0.031	+0.009	41.60	−55.45
9	25 H. Camelopardalis	28	7 14 9.22	−0.021	+0.019	+0.163	−0.118	.....	14.14	.....
	December 15, L.									
10	32 H. Camelopardalis s. p.	22	0 49 26.46	+0.053	+0.038	+0.450	−0.269	.....	30.25	.....
11	υ Piscium	20	1 15 40.88	+0.050	+0.042	+0.022	+0.055	+0.010	44.54	−56.43
12	Boss 321	20	1 23 26.85	+0.038	+0.036	+0.028	+0.053	−0.005	30.59	−56.34
13	υ Andromedæ	20	1 32 41.30	+0.043	+0.037	+0.026	+0.057	−0.002	45.03	−56.35
14	α Trianguli	20	1 49 7.37	+0.048	+0.020	+0.023	+0.054	+0.004	11.11	−56.34
15	γ Andromedæ	20	1 59 33.74	+0.041	−0.014	+0.027	+0.055	+0.001	37.52	−56.30
16	β Trianguli	20	2 5 22.30	+0.037	−0.017	+0.024	+0.045	−0.002	25.97	−56.40
17	γ Trianguli	20	2 13 8.96	+0.019	+0.002	+0.024	+0.023	0.000	12.54	−56.47
18	Boss 555	20	2 23 19.06	+0.010	−0.018	+0.023	+0.012	−0.003	22.62	−56.47
19	Boss 610	20	2 37 46.12	+0.023	−0.109	+0.026	+0.030	+0.002	49.80	−56.38
20	41 Arietis	20	2 45 52.44	+0.032	−0.165	+0.022	+0.035	−0.039	56.00	−56.46
21	Boss 672	20	2 54 56.73	+0.035	−0.199	+0.029	+0.051	+0.040	0.47	−56.38
22	Boss 713	20	3 4 38.82	+0.033	−0.223	+0.028	+0.046	+0.031	42.51	−56.41
23	Boss 740	20	3 12 57.31	+0.038	−0.217	+0.028	+0.052	+0.025	0.99	−56.42
24	Boss 774	20	3 20 4.35	+0.052	−0.206	+0.024	+0.062	−0.025	7.92	−56.49
25	Boss 817	20	3 31 20.00	+0.052	−0.189	+0.030	+0.077	+0.044	23.75	−56.40
26	ν Persei	20	3 40 18.41	+0.041	−0.203	+0.027	+0.055	+0.016	22.11	−56.40
27	ζ Persei	20	3 49 41.02	+0.032	−0.187	+0.024	+0.037	−0.028	44.64	−56.41
28	Boss 944	20	4 2 38.96	+0.041	−0.158	+0.023	+0.046	−0.031	42.57	−56.43
29	Groombridge 750	18	4 10 16.58	+0.057	−0.147	+0.246	+0.483	.....	22.52	.....
30	Boss 1030	20	4 21 35.49	+0.053	−0.159	+0.023	+0.061	−0.025	39.08	−56.47
31	Boss 1074	20	4 31 41.58	+0.042	−0.195	+0.027	+0.056	+0.010	45.30	−56.37
	December 15, M.									
32	Boss 1129	20	4 44 39.80	+0.033	−0.147	+0.023	+0.038	−0.023	43.46	−56.38
33	ε Ursæ Minoris s. p.	20	4 55 32.92	+0.023	−0.111	+0.353	−0.087	.....	35.44	.....
34	Boss 1222	20	5 5 16.72	+0.023	−0.149	+0.029	+0.033	+0.030	20.38	−56.43
35	λ Aurigæ	20	5 14 3.47	+0.028	−0.198	+0.026	+0.037	+0.005	7.09	−56.45
36	Boss 1311	20	5 22 54.71	+0.032	−0.126	+0.024	+0.039	−0.012	58.39	−56.37
37	Boss 1369	20	5 32 44.49	+0.040	−0.015	+0.022	+0.044	−0.004	48.10	−56.45
38	ο Aurigæ	20	5 40 12.61	+0.029	−0.097	+0.031	+0.044	+0.028	16.32	−56.39
39	Boss 1457	20	5 48 53.26	+0.020	−0.144	+0.023	+0.022	−0.032	56.89	−56.38
40	Boss 1498	20	5 58 4.29	+0.025	−0.114	+0.027	+0.034	+0.011	7.88	−56.48
41	Boss 1565	20	6 10 51.97	+0.019	−0.136	+0.023	+0.022	−0.025	55.53	−56.46
42	51 Aurigæ	20	6 33 40.35	+0.017	−0.142	+0.026	+0.022	+0.002	43.87	−56.53
43	ψ^5 Aurigæ	20	6 41 30.98	+0.013	−0.187	+0.028	+0.018	+0.021	34.51	−56.54
44	θ Geminorum	20	6 48 5.43	+0.012	−0.124	+0.024	+0.014	−0.013	9.04	−56.41
45	Boss 1840	20	7 6 38.12	+0.009	−0.164	+0.023	+0.010	−0.028	41.66	−56.47
46	25 H. Camelopardalis	22	7 14 10.33	−0.006	−0.084	+0.155	−0.034	.....	14.38	.....
47	ρ Geminorum	20	7 24 32.98	−0.018	−0.101	+0.024	−0.021	−0.014	36.52	−56.45
	December 16, M.									
48	43 H. Cephei	20	0 57 42.54	+0.019	+0.023	+0.260	+0.177	.....	45.47	.....
49	Boss 321	20	1 23 27.38	+0.010	−0.038	+0.027	+0.014	+0.006	30.58	−56.85
50	υ Andromedæ	20	1 32 41.86	+0.018	−0.079	+0.025	+0.024	+0.004	45.02	−56.89
51	α Trianguli	20	1 49 7.88	+0.016	−0.018	+0.022	+0.018	−0.003	11.10	−56.82
52	γ Andromedæ	20	1 59 34.34	+0.017	−0.039	+0.026	+0.023	+0.003	37.51	−56.88
53	β Trianguli	20	2 5 22.71	+0.021	−0.004	+0.023	+0.025	0.000	25.96	−56.80
	December 16, L.									
54	Boss 1129	20	4 44 40.32	+0.065	−0.041	+0.022	+0.075	−0.006	43.47	−56.94
55	Boss 1222	20	5 5 17.05	+0.067	−0.066	+0.028	+0.097	+0.013	20.40	−56.79
56	λ Aurigæ	20	5 14 3.92	+0.076	−0.080	+0.025	+0.099	+0.002	7.10	−56.95

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	December 17, L.		h m s	s	s	s	s	s	s	s
1	β Andromedæ	20	1 5 52.24	+0.080	−0.027	+0.023	+0.098	.....	55.00	.....
2	α Ursæ Minoris	8	1 29 45.38	+0.101	−0.042	+0.949	+3.247	.....	52.12	.....
3	β Trianguli	20	2 5 23.25	+0.085	−0.032	+0.023	+0.103	.....	25.96	.....
	December 18, L.									
4	α Ursæ Minoris	24	1 29 42.01	+0.013*	−0.095	+0.999	+0.418	.....	51.08	.....
5	α Trianguli	22	1 49 9.08	−0.004	−0.084	+0.023	−0.005	−0.016	11.09	−57.99
6	γ Andromedæ	20	1 59 35.41	−0.013	−0.085	+0.027	−0.017	+0.006	37.49	−57.94
7	β Trianguli	20	2 5 23.95	−0.015	−0.083	+0.024	−0.018	−0.008	25.95	−58.00
8	γ Trianguli	20	2 13 10.53	−0.017	−0.055	+0.024	−0.020	−0.006	12.52	−58.01
9	Boss 555	20	2 23 20.62	−0.013	−0.093	+0.023	−0.015	−0.014	22.60	−58.01
10	Boss 610	20	2 37 47.81	−0.017	−0.116	+0.026	−0.022	+0.002	49.78	−58.04
11	41 Arietis	20	2 45 54.07	−0.025	−0.116	+0.022	−0.027	−0.027	55.99	−58.05
12	Boss 672	20	2 54 58.33	−0.025	−0.098	+0.029	−0.036	+0.020	0.45	−57.89
13	Boss 713	20	3 4 40.47	−0.026	−0.119	+0.028	−0.036	+0.016	42.49	−57.99
14	Boss 740	20	3 12 59.03	0.000	−0.172	+0.028	0.000	+0.014	0.98	−58.09
15	Boss 774	20	3 20 5.97	+0.009	−0.103	+0.024	+0.011	−0.012	7.91	−58.08
16	Boss 817	20	3 31 21.60	−0.013	−0.094	+0.030	−0.019	+0.022	23.74	−57.89
17	ν Persei	20	3 40 20.08	−0.015	−0.125	+0.027	−0.020	+0.010	22.12	−57.98
18	ζ Persei	20	3 49 42.70	−0.015	−0.130	+0.024	−0.017	−0.019	44.65	−58.04
19	Boss 944	20	4 2 40.67	−0.015	−0.108	+0.023	−0.017	−0.021	42.58	−58.07
20	Groombridge 750	12	4 10 18.86	−0.014	−0.151	+0.246	−0.119	.....	22.38	.....
21	Boss 1030	20	4 21 37.10	−0.016	−0.129	+0.023	−0.019	−0.020	39.10	−57.98
22	Boss 1074	20	4 31 43.38	−0.029	−0.081	+0.027	−0.038	+0.004	45.32	−58.05
	December 18, M.									
23	Boss 1129	20	4 44 41.51	−0.034	−0.118	+0.023	−0.039	−0.018	43.48	−58.00
24	ε Ursæ Minoris S. P.	20	4 55 33.88	−0.037	−0.126	+0.353	+0.140	.....	35.48	.....
25	Boss 1222	20	5 5 18.40	−0.040	−0.127	+0.029	−0.058	+0.026	20.42	−57.98
26	λ Aurigæ	20	5 14 5.24	−0.043	−0.179	+0.026	−0.056	+0.004	7.13	−58.08
27	Boss 1311	20	5 22 56.46	−0.048	−0.118	+0.024	−0.058	−0.011	58.43	−57.98
28	Boss 1369	20	5 32 46.17	−0.038	−0.056	+0.022	−0.042	−0.013	48.14	−58.00
29	ο Aurigæ	20	5 40 14.42	−0.036	−0.117	+0.031	−0.055	+0.034	16.38	−58.05
30	Boss 1457	20	5 48 54.97	−0.046	−0.111	+0.023	−0.051	−0.025	56.94	−57.98
31	Boss 1498	20	5 58 5.94	−0.051	−0.144	+0.027	−0.069	+0.014	7.94	−57.97
32	Boss 1565	20	6 10 53.72	−0.057	−0.168	+0.023	−0.065	−0.031	55.59	−58.06
33	μ Geminorum	20	6 18 45.12	−0.056	−0.124	+0.022	−0.058	−0.038	47.07	−57.98
34	51 Aurigæ	20	6 33 42.12	−0.059	−0.119	+0.026	−0.076	+0.002	43.94	−58.13
35	ψ^5 Aurigæ	20	6 41 32.71	−0.066	−0.132	+0.028	−0.091	+0.015	34.58	−58.08
36	θ Geminorum	20	6 48 7.18	−0.067	−0.125	+0.024	−0.081	−0.013	9.11	−58.00
37	Boss 1840	20	7 6 39.87	−0.070	−0.103	+0.023	−0.080	−0.018	41.74	−58.05
38	25 H. Camelopardalis	22	7 14 12.67	−0.075	−0.128	+0.155	−0.422	.....	14.73	.....
39	ρ Geminorum	20	7 24 34.76	−0.075	−0.126	+0.024	−0.088	−0.018	36.60	−58.08
	December 19, M.									
40	32 H. Camelopardalis S. P.	20	0 49 29.02	−0.078	−0.025	+0.450	+0.396	.....	31.04	.....
41	β Andromedæ	20	1 5 53.54	−0.073	−0.051	+0.024	−0.089	−0.004	54.98	−58.49
42	υ Piscium	20	1 15 42.98	−0.070	−0.049	+0.022	−0.077	−0.012	44.50	−58.41
43	υ Andromedæ	20	1 32 43.64	−0.068	−0.049	+0.026	−0.090	+0.002	44.98	−58.60
44	α Trianguli	20	1 49 9.54	−0.061	−0.093	+0.023	−0.069	−0.018	11.08	−58.40
45	γ Andromedæ	20	1 59 36.02	−0.056	−0.084	+0.027	−0.075	+0.006	37.48	−58.50
46	β Trianguli	20	2 5 24.48	−0.054	−0.043	+0.024	−0.065	−0.004	25.94	−58.49
47	γ Trianguli	20	2 13 11.01	−0.066	−0.049	+0.024	−0.079	−0.006	12.51	−58.44
48	Boss 555	20	2 23 21.14	−0.075	−0.087	+0.023	−0.087	−0.013	22.58	−58.48
49	Boss 610	20	2 37 48.38	−0.076	−0.107	+0.026	−0.099	+0.002	49.77	−58.54
50	41 Arietis	20	2 45 54.49	−0.070	−0.120	+0.022	−0.077	−0.028	55.99	−58.42
51	Boss 672	20	2 54 58.88	−0.058	−0.109	+0.029	−0.084	+0.022	0.44	−58.41
52	Boss 740	20	3 12 59.58	−0.057	−0.134	+0.028	−0.079	+0.015	0.97	−58.57
53	Boss 774	20	3 20 6.50	−0.061	−0.162	+0.024	−0.073	−0.019	7.90	−58.53
54	Boss 817	20	3 31 22.26	−0.058	−0.134	+0.030	−0.085	+0.031	23.73	−58.51
55	ν Persei	20	3 40 20.75	−0.053	−0.124	+0.027	−0.072	+0.010	22.12	−58.59
56	ζ Persei	20	3 49 43.18	−0.062	−0.142	+0.024	−0.072	−0.021	44.65	−58.46
57	Boss 944	20	4 2 41.14	−0.062	−0.102	+0.023	−0.070	−0.020	42.58	−58.49
58	Boss 970	20	4 10 1.98	−0.059	−0.086	+0.026	−0.077	+0.003	3.38	−58.55
59	Boss 1030	20	4 21 37.61	−0.069	−0.096	+0.023	−0.080	−0.015	39.09	−58.45
60	Boss 1074	20	4 31 43.90	−0.068	−0.103	+0.027	−0.090	+0.005	45.32	−58.52

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	December 19, L.		h m s	s	s	s	s	s	s	s
1	Boss 1129	20	4 44 42. 13	−0. 052	−0. 087	+0. 023	−0. 060	−0. 014	43. 48	−58. 60
2	ε Ursæ Minoris s. p.	24	4 55 34. 38	−0. 045	−0. 052	+0. 353	+0. 171	.....	35. 52	.....
3	Boss 1222	20	5 5 19. 06	−0. 040	−0. 082	+0. 029	−0. 058	+0. 017	20. 42	−58. 63
4	λ Aurigæ	20	5 14 5. 75	−0. 030	−0. 102	+0. 026	−0. 039	+0. 003	7. 15	−58. 59
5	Boss 1311	20	5 22 57. 02	−0. 023	−0. 097	+0. 024	−0. 028	−0. 009	58. 43	−58. 58
6	Boss 1369	20	5 32 46. 74	−0. 021	−0. 113	+0. 022	−0. 023	−0. 026	48. 15	−58. 56
7	o Aurigæ	20	5 40 14. 84	−0. 030	−0. 091	+0. 031	−0. 046	+0. 027	16. 39	−58. 46
8	Boss 1457	20	5 48 55. 53	−0. 028	−0. 097	+0. 023	−0. 031	−0. 021	56. 95	−58. 55
9	Boss 1498	20	5 58 6. 53	−0. 025	−0. 122	+0. 027	−0. 034	+0. 012	7. 95	−58. 59
10	Boss 1565	20	6 10 54. 23	−0. 029	−0. 110	+0. 023	−0. 033	−0. 021	55. 60	−58. 60
11	μ Geminorum	20	6 18 45. 71	−0. 021	−0. 112	+0. 022	−0. 022	−0. 034	47. 08	−58. 60
12	51 Aurigæ	20	6 33 42. 60	−0. 014	−0. 103	+0. 026	−0. 018	+0. 001	43. 96	−58. 65
13	ψ^5 Aurigæ	20	6 41 33. 21	−0. 014	−0. 112	+0. 028	−0. 019	+0. 013	34. 61	−58. 62
14	θ Geminorum	20	6 48 7. 76	−0. 013	−0. 110	+0. 024	−0. 016	−0. 011	9. 13	−58. 63
15	Boss 1840	20	7 6 40. 44	−0. 022	−0. 077	+0. 023	−0. 025	−0. 013	41. 76	−58. 66
16	25 H. Camelopardalis	22	7 14 13. 12	−0. 025	−0. 070	+0. 155	−0. 140	.....	14. 85	.....
17	ρ Geminorum	20	7 24 35. 32	−0. 019	−0. 082	+0. 024	−0. 022	−0. 012	36. 62	−58. 69
18	Boss 2001	20	7 34 33. 72	−0. 018	−0. 072	+0. 024	−0. 022	−0. 006	35. 08	−58. 64
	December 20, L.									
19	β Andromedæ	20	1 5 54. 01	−0. 080	+0. 055	+0. 026	−0. 098	+0. 004	54. 96	−58. 98
20	υ Piscium	20	1 15 43. 64	−0. 074	+0. 064	+0. 024	−0. 081	+0. 015	44. 49	−59. 11
21	α Ursæ Minoris	12	1 29 51. 43	−0. 086	+0. 064	+1. 049	−2. 765	.....	49. 12	.....
22	γ Andromedæ	20	1 59 36. 57	−0. 082	+0. 058	+0. 028	−0. 110	−0. 004	37. 47	−59. 01
23	β Trianguli	20	2 5 25. 00	−0. 069	+0. 091	+0. 026	−0. 084	+0. 008	25. 93	−59. 02
24	γ Trianguli	20	2 13 11. 62	−0. 074	+0. 087	+0. 025	−0. 088	+0. 010	12. 50	−59. 07
25	Boss 555	20	2 23 21. 64	−0. 080	+0. 044	+0. 025	−0. 093	+0. 007	22. 57	−59. 01
26	Boss 610	20	2 37 48. 88	−0. 068	+0. 026	+0. 027	−0. 089	−0. 001	49. 75	−59. 07
27	41 Arietis	20	2 45 54. 99	−0. 060	+0. 032	+0. 024	−0. 066	+0. 007	55. 98	−58. 97
28	Boss 672	20	2 54 59. 45	−0. 063	+0. 006	+0. 031	−0. 091	−0. 001	0. 42	−58. 97
29	Boss 713	20	3 4 41. 54	−0. 070	−0. 016	+0. 029	−0. 098	+0. 002	42. 47	−59. 00
30	Boss 740	20	3 13 0. 03	−0. 066	−0. 015	+0. 029	−0. 091	+0. 002	0. 96	−59. 01
31	Boss 774	20	3 20 6. 99	−0. 050	+0. 011	+0. 025	−0. 059	+0. 001	7. 90	−59. 06
32	Boss 817	20	3 31 22. 71	−0. 051	+0. 019	+0. 031	−0. 075	−0. 004	23. 72	−58. 94
33	ν Persei	20	3 40 21. 20	−0. 046	−0. 015	+0. 028	−0. 062	+0. 001	22. 12	−59. 05
34	ζ Persei	20	3 49 43. 77	−0. 043	+0. 011	+0. 025	−0. 050	+0. 002	44. 65	−59. 10
35	Boss 944	20	4 2 41. 74	−0. 042	+0. 037	+0. 024	−0. 047	+0. 007	42. 58	−59. 14
36	Groombridge 750	14	4 10 21. 59	−0. 034	+0. 013	+0. 258	−0. 288	.....	22. 22	.....
37	Boss 1030	20	4 21 38. 24	−0. 032	+0. 026	+0. 025	−0. 037	+0. 004	39. 09	−59. 14
38	Boss 1074	20	4 31 44. 40	−0. 034	+0. 041	+0. 028	−0. 045	−0. 002	45. 32	−59. 06
39	Boss 1129	20	4 44 42. 59	−0. 037	+0. 030	+0. 025	−0. 043	+0. 005	43. 48	−59. 10
40	ε Ursæ Minoris s. p.	20	4 55 34. 48	−0. 044	−0. 061	+0. 360	+0. 167	.....	35. 56	.....
41	**December 20, M.**									
42	Boss 1222	20	5 5 19. 61	−0. 054	−0. 156	+0. 031	−0. 078	+0. 032	20. 42	−59. 17
43	λ Aurigæ	20	5 14 6. 32	−0. 053	−0. 167	+0. 027	−0. 069	+0. 004	7. 15	−59. 13
44	Boss 1311	20	5 22 57. 54	−0. 049	−0. 080	+0. 025	−0. 059	−0. 008	58. 44	−59. 06
45	Boss 1369	20	5 32 47. 26	−0. 058	+0. 028	+0. 024	−0. 064	+0. 007	48. 15	−59. 08
46	o Aurigæ	20	5 40 15. 55	−0. 060	+0. 005	+0. 033	−0. 091	−0. 001	16. 41	−59. 08
47	Boss 1457	20	5 48 56. 04	−0. 053	−0. 043	+0. 024	−0. 059	−0. 010	56. 96	−59. 04
48	Boss 1498	20	5 58 7. 14	−0. 053	−0. 067	+0. 029	−0. 072	+0. 006	7. 96	−59. 14
49	Boss 1565	20	6 10 54. 80	−0. 056	−0. 069	+0. 024	−0. 064	−0. 013	55. 61	−59. 14
50	μ Geminorum	20	6 18 46. 22	−0. 048	−0. 007	+0. 023	−0. 050	−0. 002	47. 10	−59. 09
51	51 Aurigæ	20	6 33 43. 24	−0. 040	−0. 067	+0. 027	−0. 052	+0. 001	43. 98	−59. 24
52	ψ^5 Aurigæ	20	6 41 33. 88	−0. 047	−0. 139	+0. 029	−0. 065	+0. 016	34. 63	−59. 23
53	θ Geminorum	20	6 48 8. 26	−0. 049	−0. 111	+0. 025	−0. 059	−0. 011	9. 16	−59. 05
54	Boss 1840	20	7 6 40. 95	−0. 046	−0. 050	+0. 024	−0. 053	−0. 009	41. 77	−59. 14
55	25 H. Camelopardalis	22	7 14 13. 84	−0. 039	−0. 057	+0. 163	−0. 218	.....	14. 96	.....
56	ρ Geminorum	20	7 24 35. 89	−0. 043	−0. 069	+0. 025	−0. 050	−0. 010	36. 65	−59. 20
57	Boss 2001	20	7 34 34. 29	−0. 050	−0. 097	+0. 026	−0. 061	−0. 009	35. 10	−59. 15
	December 22, M.									
58	α Ursæ Minoris	18	1 29 41. 61	+0. 017	−0. 090	+1. 099	+0. 547	.....	47. 42	.....
59	α Trianguli	20	1 49 11. 13	+0. 026	−0. 100	+0. 025	+0. 029	−0. 019	11. 05	−60. 11
60	γ Andromedæ	20	1 59 37. 53	+0. 034	−0. 122	+0. 030	+0. 046	+0. 009	37. 45	−60. 17

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	β Trianguli	20	2 5 25.97	+0.029	−0.108	+0.027	+0.035	−0.010	25.91	−60.11
2	γ Trianguli	20	2 13 12.54	+0.025	−0.077	+0.026	+0.030	−0.009	12.49	−60.10
3	Boss 555	20	2 23 22.64	+0.015	−0.110	+0.026	+0.017	−0.017	22.55	−60.12
4	Boss 610	20	2 37 49.96	+0.011	−0.157	+0.029	+0.014	+0.003	49.73	−60.28
5	41 Arietis	20	2 45 56.11	+0.021	−0.150	+0.025	+0.023	−0.035	55.98	−60.14
6	Boss 672	20	2 55 0.44	+0.027	−0.180	+0.032	+0.039	+0.036	0.40	−60.15
7	Boss 713	20	3 4 42.60	+0.026	−0.183	+0.031	+0.036	+0.025	42.45	−60.24
8	Boss 740	20	3 13 1.26	+0.023	−0.126	+0.030	+0.032	+0.014	0.94	−60.40
9	Boss 817	20	3 31 23.88	+0.016	−0.134	+0.033	+0.024	+0.031	23.70	−60.27
	December 23, L.									
10	α Trianguli	20	1 49 11.76	−0.084	+0.071	+0.026	−0.095	+0.014	11.04	−60.66
11	γ Andromedæ	20	1 59 38.18	−0.086	+0.057	+0.031	−0.115	−0.004	37.43	−60.66
12	β Trianguli	20	2 5 26.66	−0.082	+0.065	+0.028	−0.099	+0.006	25.90	−60.69
13	γ Trianguli	20	2 13 13.24	−0.069	+0.075	+0.028	−0.082	+0.008	12.48	−60.71
14	Boss 555	20	2 23 23.36	−0.054	+0.077	+0.027	−0.063	+0.012	22.54	−60.80
15	Boss 610	20	2 37 50.51	−0.054	+0.117	+0.030	−0.070	−0.002	49.72	−60.75
16	41 Arietis	20	2 45 56.74	−0.052	+0.110	+0.026	−0.057	+0.026	55.97	−60.76
17	47 H. Cephei	20	2 55 39.98	−0.056	+0.022	+0.121	−0.226	.....	39.02	.....
18	Boss 713	20	3 4 43.24	−0.052	−0.011	+0.032	−0.073	+0.002	42.44	−60.76
19	Boss 740	20	3 13 1.81	−0.052	+0.002	+0.032	−0.072	0.000	0.93	−60.84
20	Boss 774	20	3 20 8.74	−0.054	+0.011	+0.027	−0.064	+0.001	7.88	−60.82
21	Boss 817	20	3 31 24.42	−0.056	+0.028	+0.034	−0.083	−0.007	23.70	−60.66
22	ν Persei	20	3 40 22.92	−0.052	+0.034	+0.031	−0.070	−0.003	22.11	−60.77
23	ζ Persei	20	3 49 45.43	−0.046	+0.019	+0.027	−0.054	+0.003	44.65	−60.76
24	Boss 944	20	4 2 43.36	−0.047	+0.038	+0.026	−0.053	+0.008	42.57	−60.77
25	Boss 970	20	4 10 4.20	−0.048	+0.034	+0.030	−0.063	−0.001	3.38	−60.79
26	ε Ursæ Minoris s. p.	24	4 55 36.08	−0.061	−0.035	+0.375	+0.231	.....	35.63	.....
	December 23, M.									
27	λ Aurigæ	20	5 14 8.06	−0.060	−0.219	+0.030	−0.078	+0.005	7.18	−60.84
28	Boss 1311	20	5 22 59.25	−0.065	−0.242	+0.028	−0.079	−0.023	58.46	−60.72
29	Boss 1457	20	5 48 57.94	−0.064	−0.096	+0.026	−0.071	−0.021	56.99	−60.88
30	Boss 1565	20	6 10 56.62	−0.079	−0.057	+0.026	−0.090	−0.011	55.64	−60.90
31	μ Geminorum	20	6 18 47.99	−0.079	−0.042	+0.025	−0.082	−0.013	47.15	−60.77
	December 26, M.									
32	α Ursæ Minoris	16	1 29 33.02	+0.074	−0.223	+1.299	+2.380	.....	44.26	.....
33	γ Andromedæ	20	1 59 39.59	+0.075	−0.157	+0.035	+0.101	+0.011	37.40	−62.34
34	β Trianguli	20	2 5 28.11	+0.080	−0.118	+0.032	+0.097	−0.011	25.87	−62.36
35	γ Trianguli	20	2 13 14.66	+0.084	−0.062	+0.031	+0.100	−0.007	12.45	−62.33
36	Boss 555	20	2 23 24.79	+0.082	−0.096	+0.030	+0.095	−0.015	22.54	−62.36
37	Boss 610	20	2 37 51.99	+0.092	−0.164	+0.034	+0.120	+0.003	49.72	−62.43
38	41 Arietis	20	2 45 58.28	+0.096	−0.171	+0.029	+0.105	−0.040	55.95	−62.42
39	Boss 672	16	2 55 2.49	+0.087	−0.179	+0.038	+0.126	+0.036	0.39	−62.30
40	Boss 713	20	3 4 44.67	+0.074	−0.198	+0.036	+0.103	+0.027	42.44	−62.40
41	Boss 774	20	3 20 10.03	+0.092	−0.260	+0.031	+0.109	−0.031	7.89	−62.25
	December 26, L.									
42	δ Ursæ Minoris s. p.	20	6 0 37.42	+0.062	−0.033	+0.913	−0.609	.....	35.77	.....
43	Boss 1565	16	6 10 58.03	+0.069	−0.029	+0.030	+0.078	−0.005	55.71	−62.42
44	μ Geminorum	20	6 18 49.47	+0.076	−0.019	+0.028	+0.079	−0.006	47.19	−62.38
45	51 Aurigæ	20	6 33 46.35	+0.079	−0.025	+0.034	+0.102	0.000	44.10	−62.39
46	ψ^5 Aurigæ	20	6 41 37.02	+0.078	−0.092	+0.036	+0.107	+0.010	34.76	−62.41
47	θ Geminorum	20	6 48 11.61	+0.079	−0.134	+0.031	+0.095	−0.014	9.28	−62.44
48	Boss 1840	20	7 6 44.30	+0.080	−0.096	+0.030	+0.092	−0.017	41.90	−62.50
49	25 H. Camelopardalis	22	7 14 17.10	+0.076	−0.125	+0.201	+0.426	.....	15.55	.....
50	ρ Geminorum	20	7 24 39.20	+0.074	−0.127	+0.031	+0.087	−0.018	36.79	−62.51
51	Boss 2001	20	7 34 37.60	+0.077	−0.097	+0.032	+0.094	−0.009	35.26	−62.46
52	26 Lyncis	20	7 49 31.94	+0.068	−0.126	+0.039	+0.100	+0.029	29.68	−62.43
53	χ Geminorum	20	7 59 18.49	+0.068	−0.136	+0.029	+0.076	−0.029	16.08	−62.49
	December 27, L.									
54	β Trianguli	20	2 5 28.88	−0.056	+0.004	+0.033	−0.068	0.000	25.86	−62.98
55	γ Trianguli	20	2 13 15.40	−0.062	−0.018	+0.032	−0.074	−0.002	12.44	−62.92
58	Boss 555	20	2 23 25.52	−0.052	−0.032	+0.032	−0.060	−0.005	22.54	−62.95

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 610	20	2 37 52. 64	−0. 039	−0. 065	+0. 035	−0. 051	+0. 001	49. 72	−62. 91
2	41 Arietis	20	2 45 58. 96	−0. 041	−0. 135	+0. 030	−0. 045	−0. 032	55. 95	−62. 96
3	47 H. Cephei	24	2 55 41. 13	−0. 050	−0. 174	+0. 143	−0. 202	.....	38. 79	.....
4	Boss 713	20	3 4 45. 35	−0. 051	−0. 171	+0. 038	−0. 071	+0. 023	42. 45	−62. 89
6	Boss 740	20	3 13 3. 91	−0. 051	−0. 203	+0. 037	−0. 070	+0. 023	0. 94	−62. 96
6	Boss 774	20	3 20 10. 90	−0. 053	−0. 179	+0. 032	−0. 063	−0. 021	7. 89	−62. 96
7	Boss 817	20	3 31 26. 49	−0. 045	−0. 137	+0. 040	−0. 066	+0. 032	23. 71	−62. 79
8	ν Persei	20	3 40 25. 04	−0. 048	−0. 147	+0. 037	−0. 065	+0. 012	22. 10	−62. 92
9	ζ Persei	20	3 49 47. 63	−0. 054	−0. 137	+0. 032	−0. 063	−0. 020	44. 65	−62. 93
10	Boss 944	20	4 2 45. 60	−0. 037	−0. 116	+0. 031	−0. 042	−0. 023	42. 60	−62. 97
11	Boss 970	20	4 10 6. 35	−0. 031	−0. 108	+0. 035	−0. 041	+0. 003	3. 41	−62. 94
12	Boss 1030	20	4 21 42. 12	−0. 047	−0. 114	+0. 032	−0. 054	−0. 018	39. 13	−62. 95
13	Boss 1074	20	4 31 48. 33	−0. 051	−0. 099	+0. 036	−0. 068	+0. 005	45. 37	−62. 93
14	Boss 1129	20	4 44 46. 52	−0. 050	−0. 094	+0. 032	−0. 058	−0. 015	43. 53	−62. 95
15	ε Ursæ Minoris s. p.	24	4 55 38. 96	−0. 049	−0. 106	+0. 404	+0. 186	.....	35. 68	.....
16	Boss 1222	20	5 5 23. 50	−0. 049	−0. 135	+0. 040	−0. 071	+0. 027	20. 50	−63. 00
	December 27, M.									
17	λ Aurigæ	20	5 14 10. 21	−0. 059	−0. 167	+0. 035	−0. 077	+0. 004	7. 22	−62. 95
18	Boss 1311	20	5 23 1. 50	−0. 058	−0. 121	+0. 033	−0. 070	−0. 012	58. 53	−62. 92
19	Boss 1369	20	5 32 51. 24	−0. 052	−0. 071	+0. 030	−0. 057	−0. 017	48. 24	−62. 96
20	ο Aurigæ	20	5 40 19. 56	−0. 052	−0. 071	+0. 042	−0. 079	+0. 021	16. 51	−63. 03
21	Boss 1457	20	5 49 0. 00	−0. 052	−0. 068	+0. 030	−0. 058	−0. 015	57. 06	−62. 90
22	δ Ursæ Minoris s. p.	22	6 0 38. 34	−0. 059	−0. 074	+0. 931	+0. 580	.....	35. 69	.....
23	μ Geminorum	20	6 18 50. 28	−0. 057	−0. 087	+0. 029	−0. 059	−0. 027	47. 21	−63. 01
24	51 Aurigæ	20	6 33 47. 18	−0. 049	−0. 067	+0. 035	−0. 063	+0. 001	44. 12	−63. 03
25	ψ⁵ Aurigæ	20	6 41 37. 80	−0. 056	−0. 061	+0. 037	−0. 077	+0. 007	34. 78	−62. 99
26	θ Geminorum	20	6 48 12. 27	−0. 062	−0. 061	+0. 033	−0. 075	−0. 006	9. 30	−62. 92
27	Boss 1840	20	7 6 44. 94	−0. 073	−0. 030	+0. 031	−0. 084	−0. 005	41. 93	−62. 95
28	25 H. Camelopardalis	22	7 14 18. 99	−0. 072	−0. 042	+0. 209	−0. 403	.....	15. 64	.....
29	ρ Geminorum	20	7 24 39. 88	−0. 056	−0. 058	+0. 032	−0. 066	−0. 008	36. 82	−63. 02
30	Boss 2001	20	7 34 38. 32	−0. 053	−0. 061	+0. 033	−0. 064	−0. 005	35. 29	−62. 99
31	26 Lyncis	20	7 49 32. 76	−0. 049	−0. 093	+0. 040	−0. 072	+0. 021	29. 71	−63. 04
32	χ Geminorum	20	7 59 19. 18	−0. 048	−0. 068	+0. 031	−0. 053	−0. 014	16. 11	−63. 03
	December 29, L.									
33	Boss 555	20	2 22 26. 52	−0. 013	+0. 145	+0. 035	−0. 015	+0. 022	22. 53	− 4. 03
34	Boss 610	20	2 36 53. 67	−0. 001	+0. 106	+0. 039	−0. 001	−0. 002	49. 71	− 4. 00
35	41 Arietis	20	2 44 59. 94	+0. 006	+0. 038	+0. 034	+0. 007	+0. 009	55. 94	− 4. 05
36	47 H. Cephei	24	2 54 42. 73	+0. 012	+0. 036	+0. 158	+0. 048	.....	38. 66	.....
37	Boss 713	20	3 3 46. 44	+0. 017	+0. 023	+0. 042	+0. 024	−0. 003	42. 44	− 4. 06
38	Boss 740	20	3 12 4. 90	+0. 019	+0. 030	+0. 041	+0. 026	−0. 004	0. 93	− 4. 03
39	Boss 774	20	3 19 11. 87	+0. 021	+0. 061	+0. 036	+0. 025	+0. 007	7. 89	− 4. 05
40	Boss 817	20	3 30 27. 58	+0. 023	+0. 081	+0. 045	+0. 034	−0. 019	23. 71	− 3. 93
41	ν Persei	20	3 39 26. 04	+0. 024	+0. 057	+0. 041	+0. 032	−0. 005	22. 09	− 4. 02
42	ζ Persei	20	3 48 48. 62	+0. 030	+0. 040	+0. 035	+0. 035	+0. 006	44. 64	− 4. 06
43	Boss 944	20	4 1 46. 56	+0. 023	+0. 077	+0. 034	+0. 026	+0. 015	42. 61	− 4. 03
44	Boss 970	20	4 9 7. 33	+0. 028	+0. 068	+0. 039	+0. 037	−0. 002	3. 42	− 3. 98
45	Boss 1030	20	4 20 43. 12	+0. 040	+0. 057	+0. 035	+0. 046	+0. 009	39. 14	− 4. 07
46	Boss 1074	20	4 30 49. 29	+0. 040	+0. 072	+0. 040	+0. 053	−0. 004	45. 38	− 4. 00
47	Boss 1129	20	4 43 47. 55	+0. 042	+0. 054	+0. 035	+0. 049	+0. 008	43. 55	− 4. 09
48	ε Ursæ Minoris s. p.	24	4 54 39. 59	+0. 040	+0. 046	+0. 426	−0. 152	.....	35. 75	.....
49	Boss 1222	20	5 4 24. 51	+0. 037	+0. 013	+0. 044	+0. 054	−0. 003	20. 52	− 4. 09
50	λ Aurigæ	20	5 13 11. 21	+0. 037	+0. 005	+0. 039	+0. 048	0. 000	7. 23	− 4. 07
51	Boss 1311	20	5 22 2. 52	+0. 036	−0. 022	+0. 036	+0. 043	−0. 002	58. 55	− 4. 05
	December 29, M.									
52	Boss 1369	20	5 31 52. 18	+0. 031	−0. 124	+0. 034	+0. 034	−0. 029	48. 27	− 3. 95
53	ο Aurigæ	20	5 39 20. 52	+0. 029	−0. 135	+0. 046	+0. 044	+0. 039	16. 53	− 4. 12
54	Boss 1457	20	5 48 1. 03	+0. 023	−0. 099	+0. 034	+0. 025	−0. 022	57. 09	− 3. 98
55	δ Ursæ Minoris s. p.	24	5 59 40. 85	+0. 020	−0. 127	+0. 981	−0. 197	.....	35. 58	.....
56	Boss 1565	20	6 9 59. 72	+0. 021	−0. 111	+0. 034	+0. 024	−0. 021	55. 77	− 3. 99
57	μ Geminorum	20	6 17 51. 25	+0. 021	−0. 060	+0. 032	+0. 022	−0. 018	47. 23	− 4. 06
58	51 Aurigæ	20	6 32 48. 17	+0. 030	−0. 087	+0. 039	+0. 039	+0. 001	44. 15	− 4. 10
59	ψ⁵ Aurigæ	20	6 40 38. 86	+0. 039	−0. 103	+0. 041	+0. 054	+0. 012	34. 82	− 4. 15

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	θ Geminorum	20	6 47 13. 30	+0. 038	−0. 095	+0. 036	+0. 046	−0. 010	9. 33	−4. 04
2	Boss 1840	20	7 5 46. 05	+0. 034	−0. 074	+0. 035	+0. 039	−0. 013	41. 98	−4. 13
3	25 H. Camelopardalis	22	7 13 19. 45	+0. 032	−0. 044	+0. 232	+0. 179	.....	15. 81	....
4	ρ Geminorum	20	7 23 40. 90	+0. 033	−0. 065	+0. 035	+0. 039	−0. 009	36. 86	−4. 10
5	Boss 2001	20	7 33 39. 32	+0. 034	−0. 060	+0. 037	+0. 041	−0. 005	35. 34	−4. 05
6	26 Lyncis	20	7 48 33. 76	+0. 034	−0. 060	+0. 045	+0. 050	+0. 014	29. 77	−4. 10
7	χ Geminorum	20	7 58 20. 22	+0. 038	−0. 076	+0. 034	+0. 042	−0. 016	16. 16	−4. 12
8	31 Lyncis	20	8 17 3. 50	+0. 036	−0. 064	+0. 041	+0. 049	+0. 007	59. 44	−4. 16
	December 30, M.									
	Boss 555	20	2 22 27. 02	+0. 003	+0. 055	+0. 035	+0. 003	+0. 008	22. 52	−4. 55
9	Boss 610	20	2 36 54. 23	−0. 007	0. 000	+0. 039	−0. 009	0. 000	49. 69	−4. 57
10	41 Arietis	20	2 45 0. 47	−0. 010	−0. 026	+0. 034	−0. 001	−0. 006	55. 93	−4. 57
11	47 H. Cephei	22	2 54 43. 28	−0. 023	−0. 047	+0. 158	−0. 093	.....	38. 59	....
12	Boss 713	20	3 3 46. 98	−0. 023	−0. 095	+0. 042	−0. 032	+0. 013	42. 42	−4. 58
13	Boss 740	20	3 12 5. 52	−0. 025	−0. 105	+0. 041	−0. 034	+0. 012	0. 92	−4. 62
14	Boss 774	20	3 19 12. 41	−0. 035	−0. 017	+0. 036	−0. 042	−0. 002	7. 88	−4. 52
15	Boss 817	20	3 30 28. 24	−0. 029	+0. 001	+0. 045	−0. 043	0. 000	23. 70	−4. 54
16	ζ Persei	20	3 48 49. 22	−0. 021	−0. 027	+0. 035	−0. 024	−0. 004	44. 64	−4. 59
17	Boss 944	20	4 1 47. 19	−0. 017	+0. 076	+0. 034	−0. 019	+0. 015	42. 61	−4. 61
18	Boss 970	20	4 9 7. 96	−0. 019	+0. 002	+0. 039	−0. 025	0. 000	3. 42	−4. 55
19	Boss 1030	20	4 20 43. 72	−0. 027	−0. 055	+0. 035	−0. 031	−0. 009	39. 14	−4. 58
20	Boss 1074	20	4 30 49. 99	−0. 023	−0. 030	+0. 040	−0. 030	+0. 002	45. 38	−4. 62
21	Boss 1129	20	4 43 48. 14	−0. 023	−0. 056	+0. 035	−0. 027	−0. 009	43. 56	−4. 58
22	ε Ursæ Minoris S. P.	20	4 54 40. 12	−0. 013	−0. 065	+0. 426	+0. 049	.....	35. 80	....
23	Boss 1222	20	5 4 25. 11	−0. 005	−0. 072	+0. 044	−0. 007	+0. 015	20. 52	−4. 64
24	λ Aurigæ	20	5 13 11. 84	−0. 015	−0. 105	+0. 039	−0. 020	+0. 003	7. 24	−4. 62
25	Boss 1311	20	5 22 3. 13	−0. 013	−0. 061	+0. 036	−0. 016	−0. 006	58. 56	−4. 58
	December 30, L.									
26	Boss 1369	20	5 31 52. 88	−0. 014	+0. 054	+0. 034	−0. 015	+0. 013	48. 28	−4. 63
27	ο Aurigæ	20	5 39 21. 04	−0. 013	+0. 065	+0. 046	−0. 020	−0. 019	16. 54	−4. 51
28	Boss 1457	20	5 48 1. 70	−0. 007	+0. 065	+0. 034	−0. 008	+0. 014	57. 10	−4. 64
29	δ Ursæ Minoris S. P.	24	5 59 38. 08	−0. 005	+0. 065	+0. 981	+0. 049	.....	35. 57	....
30	Boss 1565	20	6 10 0. 41	+0. 001	+0. 054	+0. 034	+0. 001	+0. 010	55. 78	−4. 67
31	μ Geminorum	20	6 17 51. 90	−0. 001	+0. 073	+0. 032	−0. 001	+0. 022	47. 25	−4. 70
32	51 Aurigæ	20	6 32 48. 82	−0. 008	+0. 029	+0. 039	−0. 010	0. 000	44. 16	−4. 69
33	ψ^5 Aurigæ	20	6 40 39. 46	−0. 008	+0. 001	+0. 041	−0. 011	0. 000	34. 84	−4. 65
34	θ Geminorum	20	6 47 14. 02	−0. 012	+0. 012	+0. 036	−0. 014	+0. 001	9. 35	−4. 69
35	Boss 1840	20	7 5 46. 68	−0. 017	+0. 027	+0. 035	−0. 019	+0. 005	42. 00	−4. 70
36	25 H. Camelopardalis	28	7 13 20. 15	−0. 021	+0. 015	+0. 232	−0. 118	.....	15. 88	....
37	ρ Geminorum	20	7 23 41. 62	−0. 027	−0. 026	+0. 035	−0. 032	−0. 004	36. 88	−4. 74
38	Boss 2001	20	7 33 40. 05	−0. 023	+0. 004	+0. 037	−0. 028	0. 000	35. 36	−4. 70
39	26 Lyncis	20	7 48 34. 49	−0. 015	−0. 004	+0. 045	−0. 022	+0. 001	29. 79	−4. 72
40	χ Geminorum	20	7 58 20. 92	−0. 018	−0. 015	+0. 034	−0. 020	−0. 003	16. 18	−4. 75
41	31 Lyncis	20	8 17 4. 16	−0. 020	+0. 005	+0. 041	−0. 027	−0. 001	59. 47	−4. 70
	December 31, L.									
42	Boss 944	20	4 1 47. 77	−0. 066	+0. 182	+0. 034	−0. 074	+0. 036	42. 60	−5. 17
43	Boss 1030	20	4 20 44. 28	−0. 069	+0. 126	+0. 035	−0. 080	+0. 020	39. 14	−5. 11
44	Boss 1074	20	4 30 50. 51	−0. 062	+0. 034	+0. 040	−0. 082	−0. 002	45. 38	−5. 09
45	Boss 1129	20	4 43 48. 72	−0. 056	+0. 039	+0. 035	−0. 065	+0. 006	43. 55	−5. 15
46	ε Ursæ Minoris S. P.	26	4 54 40. 63	−0. 056	+0. 055	+0. 426	+0. 212	.....	35. 87	....
47	Boss 1222	20	5 4 25. 68	−0. 048	−0. 017	+0. 044	−0. 070	+0. 003	20. 52	−5. 14
48	λ Aurigæ	20	5 13 12. 42	−0. 042	−0. 057	+0. 039	−0. 055	+0. 001	7. 24	−5. 17
49	Boss 1311	20	5 22 3. 78	−0. 044	−0. 033	+0. 036	−0. 053	−0. 003	58. 56	−5. 20

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	January 21, H.		h m s	s	s	s	s	s	s	s
1	Groombridge 750	40	4 9 32.89	+0.017	−0.162	−0.196	+0.144	.....	18.31	.....
2	Boss 1030	14	4 20 55.12	−0.003	−0.159	+0.032	−0.003	−0.025	39.01	−16.11
3	Boss 1074	20	4 31 1.36	−0.014	−0.139	+0.036	−0.019	+0.006	45.24	−16.14
4	Boss 1129	14	4 43 59.65	−0.029	−0.144	+0.032	−0.034	−0.023	43.47	−16.16
5	ε Ursæ Minoris s. p.	40	4 54 54.63	−0.046	−0.181	+0.117	+0.174	.....	37.60	.....
6	Boss 1222	20	5 4 36.57	−0.055	−0.217	+0.039	−0.080	+0.043	20.44	−16.13
7	λ Aurigæ	20	5 13 23.44	−0.043	−0.206	+0.035	−0.056	+0.006	7.24	−16.18
8	Boss 1311	20	5 22 14.71	−0.040	−0.195	+0.033	−0.048	−0.020	58.55	−16.11
9	Boss 1369	18	5 32 4.52	−0.043	−0.149	+0.030	−0.047	−0.034	48.29	−16.18
10	ο Aurigæ	20	5 39 32.69	−0.046	−0.162	+0.042	−0.070	+0.047	16.57	−16.14
11	Boss 1457	20	5 48 13.33	−0.053	−0.180	+0.031	−0.059	−0.040	57.15	−16.11
	January 26, Mg.									
12	Groombridge 750	20	4 9 36.09	+0.129	+0.092	−0.196	+1.094	.....	17.40	.....
13	Boss 1030	20	4 20 57.46	+0.126	+0.179	+0.032	+0.146	+0.029	38.95	−18.72
14	Boss 1074	20	4 31 3.67	+0.112	+0.111	+0.036	+0.149	−0.006	45.17	−18.68
15	Boss 1129	20	4 44 1.86	+0.115	+0.024	+0.032	+0.133	+0.004	43.41	−18.62
16	ε Ursæ Minoris s. p.	20	4 54 57.17	+0.129	+0.008	+0.117	−0.489	.....	38.10	.....
17	Boss 1222	20	5 4 39.00	+0.137	−0.054	+0.039	+0.199	+0.011	20.38	−18.87
18	λ Aurigæ	20	5 13 25.71	+0.130	−0.066	+0.035	+0.170	+0.002	7.20	−18.72
19	Boss 1311	20	5 22 17.06	+0.133	+0.006	+0.033	+0.161	+0.001	58.51	−18.75
20	Boss 1369	20	5 32 6.79	+0.141	+0.065	+0.030	+0.155	+0.015	48.26	−18.73
21	Boss 1457	20	5 48 15.59	+0.136	+0.079	+0.031	+0.151	+0.017	57.13	−18.66
22	δ Ursæ Minoris s. p.	28	5 59 56.72	+0.128	+0.054	+0.270	−1.257	.....	37.86	.....
23	Boss 1565	20	6 10 14.42	+0.124	+0.052	+0.031	+0.141	+0.010	55.86	−18.74
24	51 Aurigæ	20	6 33 3.00	+0.129	+0.071	+0.035	+0.168	−0.001	44.36	−18.84
25	ψ^5 Aurigæ	20	6 40 53.60	+0.129	+0.030	+0.037	+0.178	−0.003	35.06	−18.75
	January 26, H.									
26	ρ Geminorum	20	7 23 55.73	+0.144	+0.148	+0.032	+0.168	+0.021	37.22	−18.73
	January 27, H.									
27	Boss 1030	20	4 20 57.86	+0.147	−0.050	+0.032	+0.171	−0.008	38.94	−19.12
28	Boss 1074	20	4 31 4.12	+0.150	−0.049	+0.036	+0.200	+0.002	45.16	−19.20
29	ε Ursæ Minoris s. p.	32	4 54 58.72	+0.161	−0.169	+0.117	−0.610	.....	38.24	.....
30	Boss 1222	20	5 4 39.38	+0.184	−0.180	+0.039	+0.267	+0.036	20.36	−19.36
31	Boss 1311	20	5 22 17.57	+0.153	−0.103	+0.033	+0.185	−0.010	58.50	−19.28
32	Boss 1369	20	5 32 7.31	+0.171	−0.041	+0.030	+0.188	−0.009	48.27	−19.25
33	ο Aurigæ	20	5 39 35.57	+0.173	−0.071	+0.042	+0.263	+0.021	16.53	−19.37
34	Boss 1457	20	5 48 16.03	+0.159	−0.091	+0.031	+0.176	−0.020	57.12	−19.10
35	δ Ursæ Minoris s. p.	28	5 59 58.58	+0.174	−0.113	+0.270	−1.709	.....	38.06	.....
36	μ Geminorum	18	6 18 6.33	+0.178	−0.100	+0.029	+0.185	−0.031	47.37	−19.14
37	51 Aurigæ	20	6 33 3.44	+0.172	−0.076	+0.035	+0.224	+0.001	44.36	−19.34
38	θ Geminorum	20	6 47 28.56	+0.158	−0.086	+0.033	+0.190	−0.009	9.58	−19.19
39	51 H. Cephei	36	7 1 26.50	+0.167	−0.024	−0.326	+2.265	.....	10.59	.....
40	Boss 1897	20	7 15 26.01	+0.177	−0.030	+0.038	+0.251	+0.005	6.89	−19.41
	January 27, Mg.									
41	ρ Geminorum	20	7 23 56.23	+0.176	+0.014	+0.032	+0.206	+0.002	37.23	−19.24
42	Boss 2001	20	7 33 54.68	+0.176	+0.079	+0.033	+0.215	+0.007	35.72	−19.22
43	26 Lyncis	20	7 48 49.22	+0.187	−0.005	+0.040	+0.275	+0.001	30.28	−19.26
44	χ Geminorum	20	7 58 35.68	+0.187	−0.102	+0.031	+0.208	−0.021	16.61	−19.29
45	31 Lyncis	20	8 17 19.04	+0.184	−0.113	+0.037	+0.252	+0.012	0.03	−19.31
46	Groombridge 1450	20	8 27 41.50	+0.184	−0.076	+0.035	+0.236	−0.001	22.41	−19.36
47	Boss 2306	20	8 35 26.81	+0.184	−0.097	+0.039	+0.263	+0.017	7.80	−19.33
48	76 Draconis s. p.	36	8 49 0.12	+0.183	−0.113	+0.118	+0.699	.....	39.70	.....
49	Boss 2426	20	8 58 4.09	+0.177	−0.001	+0.030	+0.189	0.000	45.00	−19.31
50	Boss 2465	20	9 8 32.95	+0.174	+0.049	+0.037	+0.240	−0.005	13.94	−19.28
51	40 Lyncis	20	9 16 10.80	+0.176	+0.072	+0.033	+0.213	+0.006	51.73	−19.32
52	1 H. Draconis	40	9 25 27.12	+0.182	−0.052	−0.111	+0.926	.....	8.89	.....
53	Boss 2601	20	9 37 2.69	+0.189	−0.120	+0.035	+0.248	+0.004	43.60	−19.38
54	μ Leonis	20	9 48 13.95	+0.199	−0.174	+0.030	+0.217	−0.042	54.76	−19.39
55	Boss 2681	20	9 56 24.94	+0.194	−0.035	+0.032	+0.229	−0.005	5.78	−19.42

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	January 28, Mg.		h m s	s	s	s	s	s	s	s
1	Boss 1030	20	4 20 58.42	+0.157	0.000	+0.025	+0.182	0.000	38.93	−19.70
2	Boss 1074	20	4 31 4.68	+0.143	+0.063	+0.028	+0.190	−0.003	45.14	−19.76
3	Boss 1129	20	4 44 2.85	+0.147	+0.088	+0.025	+0.171	+0.014	43.39	−19.67
4	ε Ursæ Minoris s. P.	32	4 54 58.40	+0.159	+0.058	+0.117	−0.603	.....	38.37	.....
5	λ Aurigæ	20	5 13 26.69	+0.176	−0.166	+0.028	+0.231	+0.005	7.18	−19.77
6	Boss 1311	20	5 22 18.00	+0.179	−0.172	+0.025	+0.217	−0.017	58.49	−19.73
7	ο Aurigæ	20	5 39 35.98	+0.167	+0.007	+0.033	+0.254	−0.002	16.52	−19.74
8	Boss 1457	20	5 48 16.60	+0.164	+0.076	+0.024	+0.182	+0.017	57.12	−19.70
9	Boss 1565	20	6 10 15.37	+0.165	+0.009	+0.024	+0.188	+0.002	55.86	−19.72
10	μ Geminorum	20	6 18 6.88	+0.168	+0.009	+0.023	+0.175	+0.003	47.36	−19.72
11	51 Aurigæ	20	6 33 3.96	+0.172	−0.034	+0.027	+0.224	0.000	44.36	−19.85
12	ψ^5 Aurigæ	20	6 40 54.52	+0.144	−0.049	+0.029	+0.199	+0.005	35.06	−19.69
13	θ Geminorum	20	6 47 29.04	+0.141	+0.037	+0.025	+0.169	+0.004	9.59	−19.65
14	51 H. Cephei	28	7 1 28.22	+0.150	+0.003	−0.326	+2.035	.....	10.46	.....
	January 28, H.									
15	Boss 1897	20	7 15 26.53	+0.137	−0.060	+0.030	+0.195	+0.010	6.90	−19.87
16	ρ Geminorum	20	7 23 56.87	+0.131	+0.018	+0.025	+0.153	+0.003	37.23	−19.82
17	26 Lyncis	20	7 48 49.80	+0.124	−0.019	+0.031	+0.182	+0.004	30.31	−19.71
18	χ Geminorum	20	7 58 36.22	+0.142	−0.038	+0.024	+0.158	−0.008	16.62	−19.77
19	31 Lyncis	20	8 17 19.49	+0.152	−0.038	+0.029	+0.208	+0.004	0.05	−19.68
20	Groombridge 1450	20	8 27 41.93	+0.160	−0.052	+0.027	+0.205	−0.001	22.42	−19.74
21	Boss 2306	14	8 35 27.38	+0.161	−0.050	+0.030	+0.230	+0.009	7.81	−19.84
22	76 Draconis s. P.	28	8 49 0.30	+0.149	−0.088	+0.118	−0.569	.....	39.70	.....
23	Boss 2426	20	8 58 4.57	+0.154	−0.095	+0.023	+0.165	−0.026	45.01	−19.72
24	Boss 2465	18	9 8 33.50	+0.151	−0.097	+0.029	+0.208	+0.011	13.96	−19.79
25	40 Lyncis	14	9 16 11.38	+0.164	−0.094	+0.026	+0.198	−0.008	51.74	−19.86
26	1 H. Draconis	20	9 25 27.47	+0.169	−0.094	−0.111	+0.860	.....	8.95	.....
27	Boss 2601	16	9 37 3.18	+0.139	−0.099	+0.028	+0.182	+0.003	43.62	−19.77
28	μ Leonis	20	9 48 14.36	+0.134	−0.058	+0.024	+0.146	−0.014	54.78	−19.74
29	Boss 2681	20	9 56 25.40	+0.143	−0.057	+0.025	+0.169	−0.008	5.80	−19.79
30	λ Ursæ Majoris	20	10 12 17.32	+0.139	−0.058	+0.029	+0.190	+0.006	57.73	−19.81
31	30 H. Camelopardalis	20	10 21 15.80	+0.138	−0.060	−0.131	+0.813	.....	57.28	.....
	January 29, H.									
32	Groombridge 750	40	4 9 36.55	−0.049	−0.178	−0.197	−0.416	.....	16.67	.....
33	Boss 1074	20	4 31 5.37	−0.064	−0.167	+0.028	−0.085	+0.008	45.13	−20.19
34	Boss 1129	20	4 44 3.67	−0.072	−0.137	+0.025	−0.084	−0.022	43.38	−20.21
35	ε Ursæ Minoris s. P.	32	4 54 58.53	−0.061	−0.112	+0.117	+0.232	.....	38.66	.....
36	Boss 1311	20	5 22 18.68	−0.079	−0.177	+0.025	−0.096	−0.018	58.48	−20.11
37	Boss 1369	20	5 32 8.41	−0.087	−0.025	+0.024	−0.096	−0.006	48.24	−20.09
38	ο Aurigæ	16	5 39 36.72	−0.083	+0.010	+0.033	−0.126	−0.003	16.51	−20.11
39	δ Ursæ Minoris s. P.	20	5 59 56.59	−0.081	−0.026	+0.270	+0.795	.....	38.52	.....
40	μ Geminorum	20	6 18 7.57	−0.105	−0.014	+0.023	−0.109	−0.004	47.36	−20.12
41	51 Aurigæ	20	6 33 4.65	−0.114	−0.054	+0.027	−0.148	+0.001	44.36	−20.17
42	ψ^5 Aurigæ	20	6 40 55.37	−0.094	−0.088	+0.029	−0.130	+0.010	35.06	−20.22
43	θ Geminorum	20	6 47 29.82	−0.077	−0.049	+0.025	−0.092	−0.005	9.59	−20.16
44	51 H. Cephei	28	7 1 31.98	−0.074	−0.036	−0.326	−1.005	.....	10.32	.....
	January 29, Mg.									
45	Boss 1897	16	7 15 27.19	−0.095	−0.016	+0.030	−0.135	+0.003	6.90	−20.19
46	ρ Geminorum	20	7 23 57.46	−0.114	+0.029	+0.025	−0.133	+0.004	37.24	−20.12
47	Boss 2001	18	7 33 56.03	−0.105	+0.018	+0.026	−0.128	+0.002	35.73	−20.20
48	26 Lyncis	20	7 48 50.55	−0.083	−0.049	+0.031	−0.122	+0.011	30.30	−20.17
49	χ Geminorum	20	7 58 36.86	−0.072	−0.055	+0.024	−0.080	−0.012	16.63	−20.16
50	31 Lyncis	20	8 17 20.24	−0.061	−0.108	+0.029	−0.084	+0.012	0.06	−20.14
51	Groombridge 1450	12	8 27 42.76	−0.048	−0.159	+0.027	−0.061	−0.002	22.44	−20.28
52	76 Draconis s. P.	32	8 49 0.15	−0.072	−0.111	+0.118	+0.275	.....	39.68	.....
53	Boss 2426	20	8 58 5.36	−0.067	−0.067	+0.023	−0.072	−0.018	45.03	−20.26
54	Boss 2465	18	9 8 34.28	−0.053	+0.010	+0.029	−0.073	−0.001	13.98	−20.26
55	40 Lyncis	20	9 16 12.02	−0.044	+0.029	+0.026	−0.053	+0.003	51.76	−20.24
56	1 H. Draconis	28	9 25 29.69	−0.060	−0.044	−0.111	−0.305	.....	9.01	.....
57	Boss 2601	20	9 37 3.99	−0.074	−0.180	+0.028	−0.097	+0.005	43.64	−20.29
58	μ Leonis	20	9 48 15.15	−0.059	−0.180	+0.024	−0.064	−0.044	54.80	−20.27
59	Boss 2681	20	9 56 26.12	−0.058	−0.074	+0.025	−0.068	−0.010	5.82	−20.25
60	λ Ursæ Majoris	20	10 12 18.14	−0.049	−0.067	+0.029	−0.067	+0.007	57.75	−20.36
61	30 H. Camelopardalis	36	10 21 17.32	−0.041	−0.032	−0.131	−0.241	.....	57.39	.....

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	January 31, H.		h m s	s	s	s	s	s	s	s
1	Boss 1074	20	4 31 5.96	+0.058	−0.106	+0.028	+0.077	+0.008	45.10	−20.97
2	ε Ursæ Minoris S. P.	28	4 54 59.20	+0.021	+0.018	+0.117	−0.080	.....	38.80	.....
3	Boss 1222	20	5 4 41.33	+0.034	+0.032	+0.031	+0.049	−0.006	20.31	−21.09
4	λ Aurigæ	20	5 13 28.24	−0.101	−0.016	+0.028	−0.132	0.000	7.15	−20.99
5	Boss 1369	20	5 32 9.41	−0.082	−0.264	+0.024	−0.090	−0.061	48.23	−21.05
6	o Aurigæ	20	5 39 37.55	−0.082	−0.261	+0.033	−0.125	+0.047	16.48	−21.03
7	Boss 1457	20	5 48 18.26	−0.064	−0.216	+0.024	−0.071	−0.048	57.10	−21.06
8	δ Ursæ Minoris S. P.	28	6 0 0.36	−0.066	−0.178	+0.270	+0.648	.....	39.02	.....
9	Boss 1565	20	6 10 17.02	−0.074	−0.176	+0.024	−0.084	−0.033	55.85	−21.08
10	μ Geminorum	20	6 18 8.59	−0.078	−0.162	+0.023	−0.081	−0.050	47.35	−21.13
11	51 Aurigæ	20	6 33 5.58	−0.066	−0.201	+0.027	−0.086	+0.002	44.35	−21.17
12	ψ^5 Aurigæ	20	6 40 56.33	−0.069	−0.219	+0.029	−0.095	+0.024	35.05	−21.24
13	θ Geminorum	20	6 47 30.74	−0.072	−0.178	+0.025	−0.086	−0.018	9.59	−21.07
14	51 H. Cephei	32	7 1 30.32	−0.121	−0.176	−0.326	−1.643	.....	9.97	.....
15	Boss 1897	14	7 15 28.09	−0.116	−0.176	+0.030	−0.165	+0.028	6.91	−21.07
16	ρ Geminorum	20	7 23 58.58	−0.088	−0.028	+0.025	−0.103	−0.004	37.24	−21.26
	January 31, Mg.									
17	Boss 2001	20	7 33 56.93	−0.054	+0.079	+0.026	−0.066	+0.007	35.74	−21.16
18	26 Lyncis	20	7 48 51.52	−0.057	+0.017	+0.031	−0.084	−0.004	30.31	−21.15
19	31 Lyncis	20	8 17 21.33	−0.060	+0.018	+0.029	−0.082	−0.002	0.08	−21.19
20	Groombridge 1450	20	8 27 43.71	−0.067	+0.072	+0.027	−0.086	+0.001	22.46	−21.19
21	Boss 2306	20	8 35 29.07	−0.049	+0.075	+0.030	−0.070	−0.014	7.86	−21.16
22	76 Draconis S. P.	28	8 49 0.49	−0.051	+0.018	+0.118	+0.195	.....	39.68	.....
23	Boss 2465	20	9 8 35.30	−0.069	−0.031	+0.029	−0.095	+0.003	14.02	−21.22
24	40 Lyncis	20	9 16 13.04	−0.078	−0.046	+0.026	−0.094	−0.004	51.79	−21.18
25	Boss 2550	20	9 27 12.50	−0.085	−0.037	+0.023	−0.089	−0.011	51.24	−21.18
26	Boss 2601	20	9 37 5.04	−0.093	−0.062	+0.028	−0.122	+0.002	43.68	−21.26
27	μ Leonis	20	9 48 16.12	−0.092	−0.066	+0.024	−0.100	−0.016	54.84	−21.19
28	λ Ursæ Majoris	20	10 12 19.10	−0.087	−0.048	+0.029	−0.119	+0.005	57.80	−21.22
29	30 H. Camelopardalis	32	10 21 19.01	−0.092	−0.076	−0.131	−0.542	.....	57.57	.....
	February 2, H.									
30	Boss 1030	20	4 21 0.90	−0.099	−0.017	+0.025	−0.115	−0.003	38.86	−21.95
31	Boss 1074	20	4 31 7.02	−0.122	−0.089	+0.028	−0.162	+0.004	45.07	−21.82
32	Boss 1129	20	4 44 5.42	−0.124	−0.092	+0.025	−0.144	−0.015	43.34	−21.95
33	ε Ursæ Minoris S. P.	32	4 55 1.42	−0.108	−0.097	+0.117	+0.409	.....	39.08	.....
34	Boss 1222	20	5 4 42.46	−0.103	−0.096	+0.031	−0.149	+0.019	20.28	−22.08
35	λ Aurigæ	20	5 13 29.33	−0.135	−0.087	+0.028	−0.177	+0.003	7.12	−22.06
36	Boss 1311	20	5 22 20.65	−0.149	−0.087	+0.025	−0.180	−0.009	58.44	−22.05
37	Boss 1369	20	5 32 10.31	−0.123	−0.057	+0.024	−0.135	−0.013	48.21	−21.98
38	o Aurigæ	20	5 39 38.56	−0.119	−0.073	+0.033	−0.181	+0.021	16.46	−21.97
39	Boss 1457	20	5 48 19.18	−0.148	−0.076	+0.024	−0.164	−0.017	57.09	−21.93
40	δ Ursæ Minoris S. P.	36	5 59 59.75	−0.172	−0.064	+0.270	+1.689	.....	39.50	.....
41	Boss 1565	20	6 10 18.03	−0.152	−0.043	+0.024	−0.173	−0.008	55.84	−22.03
42	51 Aurigæ	20	6 33 6.68	−0.154	−0.044	+0.027	−0.200	0.000	44.34	−22.17
43	ψ^5 Aurigæ	20	6 40 57.21	−0.150	−0.057	+0.029	−0.207	+0.006	35.04	−22.00
44	θ Geminorum	20	6 47 31.73	−0.160	−0.066	+0.025	−0.192	−0.007	9.58	−21.98
45	51 H. Cephei	32	7 1 32.02	−0.151	−0.066	−0.326	−2.054	.....	9.61	.....
46	Boss 1897	20	7 15 29.04	−0.147	−0.067	+0.030	−0.209	+0.011	6.91	−21.96
	February 2, Mg.									
47	ρ Geminorum	20	7 23 59.41	−0.142	−0.056	+0.025	−0.166	−0.008	37.24	−22.02
48	Boss 2001	20	7 33 57.90	−0.142	−0.011	+0.026	−0.173	−0.001	35.74	−22.01
49	26 Lyncis	20	7 48 52.48	−0.150	+0.014	+0.031	−0.221	−0.003	30.32	−21.97
50	χ Geminorum	20	7 58 38.89	−0.155	+0.020	+0.024	−0.172	+0.004	16.65	−22.10
51	31 Lyncis	20	8 17 22.28	−0.164	+0.022	+0.029	−0.225	−0.002	0.09	−21.99
52	Boss 2306	20	8 35 30.13	−0.174	+0.037	+0.030	−0.249	−0.007	7.88	−22.02
53	Boss 2368	20	8 46 36.04	−0.162	+0.098	+0.029	−0.225	−0.012	13.89	−21.94
54	Boss 2426	20	8 58 7.23	−0.159	+0.110	+0.023	−0.170	+0.030	45.08	−22.03
55	Boss 2465	20	9 8 36.26	−0.144	+0.074	+0.029	−0.199	−0.008	14.05	−22.03
56	40 Lyncis	20	9 16 14.02	−0.098	+0.197	+0.026	−0.119	+0.018	51.82	−22.12
57	1 H. Draconis	24	9 25 31.84	−0.068	+0.099	−0.111	−0.346	.....	9.16	.....
58	Boss 2601	20	9 37 5.91	−0.049	+0.106	+0.028	−0.064	−0.003	43.71	−22.16
59	μ Leonis	20	9 48 17.00	−0.051	+0.117	+0.024	−0.056	+0.028	54.87	−22.13

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 2681	20	9 56 28. 05	−0. 069	+0. 119	+0. 025	−0. 081	+0. 017	5. 91	−22. 10
2	λ Ursæ Majoris	20	10 12 19. 97	−0. 060	+0. 216	+0. 029	−0. 082	−0. 024	57. 84	−22. 05
3	30 H. Camelopardalis	36	10 21 21. 71	−0. 059	+0. 245	−0. 131	−0. 348	.....	57. 72	.....
4	Boss 2829	20	10 34 17. 62	−0. 063	+0. 200	+0. 025	−0. 074	+0. 026	55. 43	−22. 17
	February 3, Mg.									
5	Boss 1074	20	4 31 7. 48	−0. 033	−0. 013	+0. 028	−0. 044	+0. 001	45. 06	−22. 40
6	Boss 1129	16	4 44 5. 79	−0. 049	−0. 019	+0. 025	−0. 057	−0. 003	43. 33	−22. 42
7	ε Ursæ Minoris s. p.	32	4 55 1. 84	−0. 051	−0. 006	+0. 117	+0. 193	.....	39. 20	.....
8	Boss 1222	20	5 4 42. 78	−0. 053	−0. 093	+0. 031	−0. 077	+0. 019	20. 27	−22. 48
9	λ Aurigæ	20	5 13 29. 64	−0. 046	−0. 144	+0. 028	−0. 060	+0. 004	7. 10	−22. 51
10	Boss 1311	20	5 22 20. 90	−0. 039	−0. 064	+0. 025	−0. 047	−0. 006	58. 43	−22. 44
11	o Aurigæ	20	5 39 38. 86	−0. 030	−0. 030	+0. 033	−0. 046	+0. 009	16. 44	−22. 42
12	Boss 1457	20	5 48 19. 51	−0. 029	+0. 003	+0. 024	−0. 032	+0. 001	57. 08	−22. 42
13	δ Ursæ Minoris s. p.	20	5 59 59. 24	−0. 039	+0. 137	+0. 270	+0. 383	.....	39. 72	.....
14	μ Geminorum	20	6 18 9. 84	−0. 031	+0. 102	+0. 023	−0. 032	+0. 032	47. 34	−22. 52
15	ψ^5 Aurigæ	20	6 40 57. 55	−0. 026	+0. 105	+0. 029	−0. 036	−0. 012	35. 04	−22. 51
16	θ Geminorum	20	6 47 32. 01	−0. 038	+0. 167	+0. 025	−0. 046	+0. 017	9. 57	−22. 44
17	51 H. Cephei	28	7 1 34. 26	−0. 047	+0. 116	−0. 326	−0. 639	.....	9. 45	.....
18	Boss 1897	20	7 15 29. 38	−0. 046	+0. 056	+0. 030	−0. 065	−0. 009	6. 91	−22. 43
	February 3, H.									
19	ρ Geminorum	20	7 23 59. 66	−0. 044	+0. 051	+0. 025	−0. 051	+0. 007	37. 24	−22. 40
20	Boss 2001	20	7 33 58. 29	−0. 039	+0. 046	+0. 026	−0. 048	+0. 004	35. 75	−22. 52
21	26 Lyncis	20	7 48 52. 85	−0. 041	+0. 011	+0. 031	−0. 060	−0. 003	30. 32	−22. 50
22	χ Geminorum	20	7 58 39. 20	−0. 041	+0. 020	+0. 024	−0. 046	+0. 004	16. 66	−22. 52
23	31 Lyncis	20	8 17 22. 58	−0. 049	−0. 003	+0. 029	−0. 067	0. 000	0. 09	−22. 45
24	Groombridge 1450	20	8 27 45. 05	−0. 044	−0. 011	+0. 027	−0. 056	0. 000	22. 48	−22. 54
25	76 Draconis s. p.	32	8 49 2. 55	−0. 014	−0. 086	+0. 118	+0. 053	.....	39. 70	.....
26	Boss 2465	20	9 8 36. 64	−0. 019	−0. 142	+0. 029	−0. 026	+0. 016	14. 06	−22. 60
27	40 Lyncis	20	9 16 14. 42	−0. 021	−0. 128	+0. 026	−0. 025	−0. 012	51. 83	−22. 58
28	Boss 2550	20	9 27 13. 89	−0. 006	−0. 064	+0. 023	−0. 006	−0. 019	51. 28	−22. 61
29	λ Ursæ Majoris	20	10 12 20. 39	−0. 027	−0. 008	+0. 029	−0. 037	−0. 001	57. 86	−22. 52
30	30 H. Camelopardalis	32	10 21 20. 47	−0. 035	−0. 042	−0. 131	−0. 206	.....	57. 79	.....
	February 4, H.									
31	Boss 1129	20	4 44 6. 11	+0. 012	+0. 100	+0. 025	+0. 014	+0. 016	43. 32	−22. 85
32	ε Ursæ Minoris s. p.	28	4 55 1. 91	+0. 002	+0. 098	+0. 117	−0. 007	.....	39. 33	.....
33	Boss 1222	20	5 4 43. 10	−0. 019	+0. 103	+0. 031	−0. 028	−0. 021	20. 26	−22. 82
34	Boss 1311	20	5 22 21. 20	−0. 033	−0. 020	+0. 025	−0. 040	−0. 002	58. 42	−22. 76
35	Boss 1369	20	5 32 11. 08	−0. 007	+0. 071	+0. 024	−0. 008	+0. 016	48. 20	−22. 91
36	o Aurigæ	20	5 39 39. 38	−0. 001	+0. 056	+0. 033	−0. 002	−0. 016	16. 43	−22. 97
37	Boss 1457	20	5 48 19. 85	−0. 008	+0. 070	+0. 024	−0. 009	+0. 015	57. 07	−22. 81
38	μ Geminorum	20	6 18 10. 25	−0. 026	+0. 101	+0. 023	−0. 027	+0. 031	47. 33	−22. 95
39	51 Aurigæ	20	6 33 7. 37	−0. 031	+0. 091	+0. 027	−0. 040	−0. 001	44. 33	−23. 03
40	ψ^5 Aurigæ	20	6 40 58. 08	−0. 026	+0. 090	+0. 029	−0. 036	−0. 010	35. 03	−23. 03
41	θ Geminorum	20	6 47 32. 40	−0. 028	+0. 135	+0. 025	−0. 034	+0. 014	9. 57	−22. 83
42	51 H. Cephei	32	7 1 34. 62	−0. 033	+0. 131	−0. 326	−0. 449	.....	9. 31	.....
	February 7, Mg.									
43	ε Ursæ Minoris s. p.	28	4 55 4. 25	+0. 103	+0. 040	+0. 117	−0. 390	.....	39. 70	.....
44	Boss 1222	20	5 4 44. 20	+0. 077	−0. 066	+0. 031	+0. 112	+0. 013	20. 22	−24. 14
45	λ Aurigæ	20	5 13 31. 12	+0. 068	−0. 047	+0. 029	+0. 089	+0. 001	7. 05	−24. 19
46	Boss 1311	20	5 22 22. 47	+0. 079	+0. 001	+0. 025	+0. 096	0. 000	58. 40	−24. 19
47	Boss 1369	20	5 32 12. 24	+0. 082	+0. 045	+0. 024	+0. 090	+0. 010	48. 17	−24. 19
48	o Aurigæ	20	5 39 40. 47	+0. 090	+0. 025	+0. 033	+0. 137	−0. 007	16. 38	−24. 25
49	Boss 1457	20	5 48 21. 10	+0. 096	+0. 050	+0. 024	+0. 107	+0. 011	57. 05	−24. 19
50	δ Ursæ Minoris s. p.	36	6 0 4. 94	+0. 076	+0. 053	+0. 270	−0. 746	.....	40. 52	.....
51	Boss 1565	20	6 10 19. 94	+0. 070	+0. 049	+0. 024	+0. 080	+0. 009	55. 81	−24. 24
52	μ Geminorum	20	6 18 11. 39	+0. 083	+0. 081	+0. 023	+0. 086	+0. 025	47. 31	−24. 21
53	51 Aurigæ	20	6 33 8. 44	+0. 079	+0. 048	+0. 027	+0. 103	0. 000	44. 30	−24. 27
54	ψ^5 Aurigæ	20	6 40 59. 07	+0. 077	+0. 014	+0. 029	+0. 106	−0. 002	35. 01	−24. 20
55	θ Geminorum	20	6 47 33. 66	+0. 075	+0. 089	+0. 025	+0. 090	+0. 009	9. 56	−24. 22
56	51 H. Cephei	24	7 1 34. 62	+0. 077	+0. 093	−0. 326	+1. 047	.....	8. 96	.....
57	Boss 1897	20	7 15 31. 06	+0. 077	+0. 051	+0. 030	+0. 109	−0. 008	6. 91	−24. 28

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	February 7, H.		h m s	s	s	s	s	s	s	s
1	ρ Geminorum	20	7 24 1. 34	+0. 077	+0. 064	+0. 025	+0. 090	+0. 009	37. 24	−24. 22
2	Boss 2001	20	7 33 59. 79	+0. 072	+0. 061	+0. 026	+0. 088	+0. 005	35. 75	−24. 16
3	26 Lyncis	20	7 48 54. 40	+0. 058	−0. 035	+0. 031	+0. 085	+0. 008	30. 33	−24. 19
4	χ Geminorum	20	7 58 40. 83	+0. 066	−0. 138	+0. 024	+0. 073	−0. 029	16. 67	−24. 23
5	31 Lyncis	20	8 17 24. 25	+0. 058	−0. 115	+0. 029	+0. 079	+0. 013	0. 12	−24. 24
6	76 Draconis s. p.	36	8 49 4. 71	+0. 057	−0. 094	+0. 118	−0. 218	.....	39. 70	.....
7	Boss 2465	20	9 8 38. 39	+0. 039	−0. 098	+0. 029	+0. 058	+0. 011	14. 12	−24. 37
8	Boss 2601	20	9 37 8. 13	+0. 024	−0. 070	+0. 028	+0. 031	+0. 002	43. 80	−24. 39
9	μ Leonis	20	9 48 19. 32	+0. 037	+0. 019	+0. 024	+0. 040	+0. 005	54. 94	−24. 45
10	Boss 2681	20	9 56 30. 33	+0. 050	+0. 079	+0. 025	+0. 059	+0. 011	6. 00	−24. 43
11	λ Ursæ Majoris	20	10 12 22. 23	+0. 048	+0. 052	+0. 029	+0. 066	−0. 007	57. 94	−24. 38
12	30 H. Camelopardalis	32	10 21 22. 36	+0. 025	+0. 017	−0. 131	+0. 147	.....	58. 16	.....
13	Boss 2829	20	10 34 19. 90	+0. 018	+0. 023	+0. 025	+0. 021	+0. 003	55. 49	−24. 46
14	46 Leonis Minoris	20	10 48 57. 23	+0. 032	+0. 037	+0. 026	+0. 039	+0. 003	32. 90	−24. 40
	February 9, Mg.									
15	ε Ursæ Minoris s. p.	28	4 55 4. 97	+0. 087	+0. 040	+0. 117	−0. 331	.....	39. 96	.....
16	Boss 1222	20	5 4 45. 20	+0. 092	+0. 026	+0. 018	+0. 133	−0. 005	20. 19	−25. 16
17	λ Aurigæ	20	5 13 32. 00	+0. 084	+0. 026	+0. 016	+0. 110	−0. 001	7. 02	−25. 10
18	Boss 1369	20	5 32 13. 18	+0. 043	+0. 011	+0. 013	+0. 047	+0. 003	48. 16	−25. 08
19	ο Aurigæ	20	5 39 41. 42	+0. 042	−0. 014	+0. 019	+0. 064	+0. 004	16. 35	−25. 16
20	Boss 1457	20	5 48 22. 02	+0. 041	−0. 001	+0. 014	+0. 046	0. 000	57. 04	−25. 04
21	δ Ursæ Minoris s. p.	32	6 0 5. 21	+0. 030	+0. 015	+0. 270	+0. 295	.....	40. 91	.....
22	Boss 1565	20	6 10 20. 87	+0. 036	+0. 018	+0. 014	+0. 041	+0. 003	55. 80	−25. 13
23	μ Geminorum	20	6 18 12. 34	+0. 041	+0. 032	+0. 013	+0. 043	+0. 010	47. 30	−25. 11
24	51 Aurigæ	20	6 33 9. 33	+0. 033	+0. 003	+0. 016	+0. 043	0. 000	44. 29	−25. 10
25	ψ^5 Aurigæ	20	6 41 0. 02	+0. 026	+0. 037	+0. 017	+0. 036	+0. 004	35. 00	−25. 07
26	51 H. Cephei	24	7 1 35. 62	+0. 013	+0. 132	−0. 326	+0. 177	.....	8. 66	.....
27	Boss 1897	20	7 15 32. 01	+0. 007	+0. 125	+0. 017	+0. 010	−0. 020	6. 91	−25. 11
28	ρ Geminorum	20	7 24 2. 28	+0. 014	+0. 113	+0. 014	+0. 016	+0. 016	37. 24	−25. 09
29	Boss 2001	20	7 34 0. 75	+0. 015	+0. 129	+0. 015	+0. 018	+0. 012	35. 76	−25. 03
	February 9, H.									
30	26 Lyncis	20	7 48 55. 41	+0. 004	+0. 102	+0. 018	+0. 006	−0. 023	30. 33	−25. 08
31	31 Lyncis	16	8 17 25. 32	+0. 004	+0. 056	+0. 017	+0. 005	−0. 006	0. 13	−25. 21
32	76 Draconis s. p.	36	8 49 4. 00	+0. 006	+0. 025	+0. 118	−0. 023	.....	39. 61	.....
33	Boss 2426	20	8 58 10. 28	−0. 006	+0. 069	+0. 013	−0. 006	+0. 019	45. 16	−25. 15
34	Boss 2465	20	9 8 39. 27	−0. 003	+0. 070	+0. 017	−0. 004	−0. 008	14. 15	−25. 12
35	40 Lyncis	20	9 16 17. 10	0. 000	+0. 040	+0. 015	0. 000	+0. 004	51. 90	−25. 22
36	Boss 2550	20	9 27 16. 49	−0. 002	+0. 069	+0. 013	−0. 002	+0. 020	51. 38	−25. 14
37	Boss 2601	20	9 37 9. 04	+0. 001	+0. 031	+0. 016	−0. 001	−0. 001	43. 83	−25. 23
38	Boss 2681	20	9 56 31. 10	+0. 017	+0. 049	+0. 014	+0. 020	+0. 007	6. 03	−25. 11
39	30 H. Camelopardalis	36	10 21 24. 08	+0. 013	+0. 038	−0. 131	+0. 077	.....	58. 35	.....
40	Boss 2829	18	10 34 20. 71	+0. 020	+0. 058	+0. 014	+0. 024	+0. 008	55. 62	−25. 14
41	46 Leonis Minoris	20	10 48 58. 00	+0. 009	+0. 089	+0. 015	+0. 011	+0. 008	32. 95	−25. 08
42	Boss 2926	20	10 56 29. 31	+0. 003	+0. 091	+0. 016	+0. 004	−0. 002	4. 28	−25. 05
	February 11, Mg.									
43	Boss 1222	20	5 4 45. 96	+0. 077	+0. 093	+0. 018	+0. 112	−0. 019	20. 16	−25. 91
44	Boss 1311	20	5 22 24. 20	+0. 007	+0. 053	+0. 015	+0. 008	+0. 005	58. 36	−25. 87
45	Boss 1369	20	5 32 13. 96	+0. 016	+0. 155	+0. 013	+0. 018	+0. 036	48. 14	−25. 89
46	δ Ursæ Minoris s. p.	32	6 0 5. 20	+0. 001	+0. 125	+0. 270	−0. 010	.....	41. 50	.....
47	Boss 1565	20	6 10 21. 69	−0. 009	+0. 058	+0. 014	−0. 010	+0. 011	55. 78	−25. 92
48	μ Geminorum	20	6 18 13. 24	−0. 016	+0. 021	+0. 013	−0. 017	+0. 007	47. 28	−25. 98
49	51 Aurigæ	20	6 33 10. 20	−0. 021	+0. 007	+0. 016	−0. 027	0. 000	44. 27	−25. 92
50	ψ^5 Aurigæ	20	6 41 0. 95	−0. 020	−0. 025	+0. 017	−0. 028	+0. 003	34. 98	−25. 96
51	θ Geminorum	20	6 47 35. 50	−0. 020	+0. 018	+0. 015	−0. 024	+0. 002	9. 53	−25. 96
52	51 H. Cephei	34	7 1 35. 68	−0. 030	+0. 064	−0. 326	−0. 407	.....	8. 23	.....
53	Boss 1897	20	7 15 32. 87	−0. 031	+0. 079	+0. 017	−0. 044	−0. 013	6. 90	−25. 93
54	ρ Geminorum	20	7 24 3. 18	−0. 036	+0. 143	+0. 014	−0. 042	+0. 020	37. 23	−25. 94
55	Boss 2001	20	7 34 1. 72	−0. 046	+0. 158	+0. 015	−0. 056	+0. 014	35. 76	−25. 93
56	26 Lyncis	20	7 48 56. 40	−0. 056	+0. 101	+0. 018	−0. 082	−0. 023	30. 32	−25. 99
	February 11, H.									
57	χ Geminorum	20	7 58 42. 68	−0. 064	+0. 089	+0. 014	−0. 071	+0. 019	16. 67	−25. 97
58	31 Lyncis	20	8 17 26. 14	−0. 068	+0. 090	+0. 017	−0. 093	−0. 010	0. 13	−25. 92
59	Groombridge 1450	20	8 27 48. 59	−0. 059	+0. 093	+0. 015	−0. 076	+0. 001	22. 52	−26. 01

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 2306	20	8 35 34. 04	−0. 054	+0. 108	+0. 017	−0. 077	−0. 019	7. 96	−26. 00
2	76 Draconis s. p.	28	8 49 4. 34	−0. 046	+0. 106	+0. 118	+0. 175	.....	39. 69	.....
3	Boss 2426	20	8 58 11. 18	−0. 037	+0. 117	+0. 013	−0. 040	+0. 032	45. 17	−26. 01
4	Boss 2465	20	9 8 40. 28	−0. 047	+0. 114	+0. 017	−0. 065	−0. 012	14. 16	−26. 06
5	Boss 2550	20	9 27 17. 39	−0. 056	+0. 140	+0. 013	−0. 059	+0. 041	51. 40	−25. 99
6	Boss 2601	20	9 37 9. 93	−0. 051	+0. 137	+0. 016	−0. 067	−0. 004	43. 86	−26. 01
7	μ Leonis	20	9 48 21. 04	−0. 054	+0. 101	+0. 013	−0. 059	+0. 024	54. 99	−26. 03
8	Boss 2681	20	9 56 32. 10	−0. 051	+0. 109	+0. 014	−0. 060	+0. 015	6. 06	−26. 01
9	λ Ursæ Majoris	20	10 12 24. 11	−0. 058	+0. 114	+0. 017	−0. 079	−0. 013	58. 05	−25. 98
10	30 H. Camelopardalis	28	10 21 25. 58	−0. 054	+0. 110	−0. 131	−0. 318	.....	58. 52	.....
11	Boss 2829	20	10 34 21. 71	−0. 046	+0. 148	+0. 014	−0. 054	+0. 019	55. 64	−26. 05
12	46 Leonis Minoris	20	10 48 59. 10	−0. 063	+0. 183	+0. 015	−0. 076	+0. 016	32. 98	−26. 08
13	Boss 2926	20	10 56 30. 39	−0. 063	+0. 182	+0. 016	−0. 082	−0. 004	4. 33	−25. 99
14	ψ Ursæ Majoris	18	11 5 19. 11	−0. 050	+0. 141	+0. 017	−0. 071	−0. 021	53. 03	−26. 00
	February 17, Mg.									
15	Boss 1457	20	5 48 25. 28	−0. 010	+0. 233	+0. 014	−0. 001	+0. 051	56. 94	−28. 40
16	δ Ursæ Minoris s. p.	40	6 0 7. 83	+0. 008	+0. 204	+0. 270	−0. 079	.....	43. 32	.....
17	Boss 1565	20	6 10 24. 11	+0. 007	+0. 204	+0. 014	+0. 010	+0. 039	55. 71	−28. 46
18	μ Geminorum	20	6 18 15. 58	+0. 017	+0. 248	+0. 013	+0. 018	+0. 079	47. 22	−28. 47
19	51 Aurigæ	20	6 33 12. 63	+0. 056	+0. 242	+0. 016	+0. 073	−0. 002	44. 20	−28. 52
20	ψ^5 Aurigæ	20	6 41 3. 35	+0. 075	+0. 209	+0. 017	+0. 104	−0. 023	34. 90	−28. 55
21	θ Geminorum	20	6 47 37. 83	+0. 079	+0. 226	+0. 015	+0. 095	+0. 023	9. 48	−28. 48
22	51 H. Cephei	28	7 1 38. 70	+0. 106	+0. 255	−0. 326	+1. 442	.....	6. 63	.....
33	Boss 1897	20	7 15 35. 15	+0. 122	+0. 238	+0. 017	+0. 173	−0. 038	6. 84	−28. 46
24	ρ Geminorum	20	7 24 5. 47	+0. 126	+0. 230	+0. 014	+0. 147	+0. 032	37. 19	−28. 47
35	Boss 2001	20	7 34 4. 00	+0. 142	+0. 281	+0. 015	+0. 173	+0. 025	35. 73	−28. 48
26	χ Geminorum	20	7 58 45. 01	+0. 197	+0. 044	+0. 014	+0. 219	+0. 009	16. 66	−28. 59
	February 17, H.									
27	31 Lyncis	20	8 17 28. 85	−0. 149	+0. 059	+0. 017	−0. 204	−0. 006	0. 12	−28. 54
28	Groombridge 1450	20	8 27 51. 13	−0. 145	+0. 031	+0. 015	−0. 186	0. 000	22. 52	−28. 44
29	Boss 2306	20	8 35 36. 68	−0. 116	+0. 138	+0. 017	−0. 166	−0. 025	7. 96	−28. 55
30	76 Draconis s. p.	28	8 49 6. 82	−0. 101	+0. 096	+0. 118	+0. 386	.....	39. 91	.....
31	Boss 2465	20	9 8 42. 89	−0. 104	+0. 330	+0. 017	−0. 144	−0. 036	14. 19	−28. 54
32	40 Lyncis	20	9 16 20. 58	−0. 094	+0. 330	+0. 015	−0. 114	+0. 030	51. 95	−28. 56
33	Boss 2550	20	9 27 19. 92	−0. 072	+0. 325	+0. 013	−0. 076	+0. 094	51. 43	−28. 52
34	Boss 2601	20	9 37 12. 63	−0. 059	+0. 316	+0. 016	−0. 077	−0. 009	43. 91	−28. 65
35	μ Leonis	20	9 48 23. 58	−0. 064	+0. 287	+0. 013	−0. 070	+0. 069	55. 04	−28. 55
36	Boss 2681	20	9 56 34. 67	−0. 040	+0. 230	+0. 014	−0. 047	+0. 032	6. 12	−28. 55
37	λ Ursæ Majoris	20	10 12 26. 74	−0. 010	+0. 157	+0. 017	−0. 014	−0. 017	58. 08	−28. 65
38	30 H. Camelopardalis	32	10 21 28. 74	−0. 004	+0. 105	−0. 131	−0. 024	.....	58. 73	.....
39	Boss 2829	20	10 34 24. 22	−0. 009	+0. 139	+0. 014	−0. 011	+0. 018	55. 73	−28. 51
40	46 Leonis Minoris	20	10 49 1. 58	+0. 012	+0. 175	+0. 015	+0. 015	+0. 016	33. 09	−28. 54
41	Boss 2926	20	10 56 32. 96	+0. 020	+0. 140	+0. 016	+0. 026	−0. 003	4. 44	−28. 56
42	ψ Ursæ Majoris	20	11 5 21. 69	+0. 007	+0. 104	+0. 017	+0. 010	−0. 016	53. 15	−28. 55
43	ν Ursæ Majoris	20	11 14 21. 35	+0. 022	+0. 139	+0. 014	+0. 026	+0. 015	52. 83	−28. 58
44	39 H. Cephei s. p.	32	11 27 39. 24	+0. 033	+0. 145	+0. 290	−0. 350	.....	14. 60	.....
	February 21, Mg.									
45	Boss 1457	20	5 48 26. 75	+0. 235	+0. 512	+0. 014	+0. 261	+0. 113	56. 88	−30. 26
46	δ Ursæ Minoris s. p.	36	6 0 11. 02	+0. 247	+0. 478	+0. 270	−2. 425	.....	44. 36	.....
47	Boss 1565	20	6 10 25. 60	+0. 234	+0. 485	+0. 014	+0. 267	+0. 092	55. 66	−30. 31
48	μ Geminorum	20	6 18 17. 03	+0. 229	+0. 538	+0. 013	+0. 238	+0. 167	47. 17	−30. 28
49	51 Aurigæ	20	6 33 14. 38	+0. 058*	+0. 464	+0. 016	+0. 075	−0. 005	44. 15	−30. 32
50	ψ^5 Aurigæ	20	6 41 5. 10	+0. 051	+0. 333	+0. 017	+0. 070	−0. 037	34. 85	−30. 30
51	θ Geminorum	20	6 47 39. 61	+0. 024	+0. 310	+0. 015	+0. 029	+0. 031	9. 43	−30. 26
52	51 H. Cephei	32	7 1 40. 03	+0. 024	+0. 345	−0. 326	+0. 326	.....	5. 76	.....
53	Boss 1897	20	7 15 37. 00	+0. 029	+0. 366	+0. 017	+0. 041	−0. 059	6. 79	−30. 21
54	ρ Geminorum	20	7 24 7. 34	+0. 034	+0. 426	+0. 014	+0. 040	+0. 060	37. 16	−30. 29
55	Boss 2001	20	7 34 5. 86	+0. 036	+0. 499	+0. 015	+0. 044	+0. 045	35. 69	−30. 27
56	26 Lyncis	20	7 49 0. 60	+0. 027	+0. 491	+0. 018	+0. 040	−0. 113	30. 26	−30. 28
57	χ Geminorum	20	7 58 46. 84	+0. 016	+0. 466	+0. 014	+0. 018	+0. 098	16. 64	−30. 33
58	31 Lyncis	20	8 17 30. 40	+0. 005	+0. 467	+0. 017	+0. 007	−0. 051	0. 11	−30. 26
59	Groombridge 1450	20	8 27 52. 79	+0. 001	+0. 453	+0. 015	+0. 001	+0. 005	22. 51	−30. 30

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
	February 21, H.									
1	Boss 2306	20	8 35 38. 27	+0. 002	+0. 448	+0. 017	+0. 003	−0. 081	7. 95	−30. 26
2	76 Draconis s. p.	32	8 49 8. 19	−0. 004	+0. 406	+0. 118	+0. 015	.....	40. 04	.....
3	Boss 2426	20	8 58 15. 34	−0. 004	+0. 415	+0. 013	−0. 004	+0. 112	45. 20	−30. 26
4	Boss 2465	20	9 8 44. 53	+0. 001	+0. 415	+0. 017	+0. 001	−0. 046	14. 20	−30. 30
5	40 Lyncis	20	9 16 22. 22	+0. 011	+0. 376	+0. 015	+0. 013	+0. 034	51. 96	−30. 32
6	Boss 2550	20	9 27 21. 58	+0. 015	+0. 413	+0. 013	+0. 016	+0. 120	51. 45	−30. 28
7	Boss 2601	20	9 37 14. 26	+0. 013	+0. 450	+0. 016	+0. 017	−0. 014	43. 93	−30. 35
8	μ Leonis	20	9 48 25. 23	+0. 019	+0. 426	+0. 013	+0. 021	+0. 102	55. 07	−30. 30
9	Boss 2681	20	9 56 36. 34	+0. 022	+0. 428	+0. 014	+0. 026	+0. 060	6. 15	−30. 29
10	λ Ursæ Majoris	20	10 12 28. 46	+0. 016	+0. 413	+0. 017	+0. 022	−0. 045	58. 12	−30. 33
11	30 H. Camelopardalis	32	10 21 31. 00	+0. 026	+0. 412	−0. 131	+0. 153	.....	58. 92	.....
12	Boss 2829	20	10 34 25. 95	+0. 024	+0. 459	+0. 014	+0. 028	+0. 060	55. 78	−30. 27
13	46 Leonis Minoris	20	10 49 3. 36	+0. 019	+0. 459	+0. 015	+0. 023	+0. 041	33. 14	−30. 30
14	ψ Ursæ Majoris	20	11 5 23. 51	+0. 035	+0. 455	+0. 017	+0. 049	−0. 068	53. 22	−30. 29
15	ν Ursæ Majoris	20	11 14 23. 10	+0. 036	+0. 456	+0. 014	+0. 043	+0. 050	52. 90	−30. 31
16	39 H. Cephei s. p.	32	11 27 38. 18	+0. 056	+0. 423	+0. 290	−0. 594	.....	13. 98	.....
17	χ Ursæ Majoris	20	11 42 4. 41	+0. 069	+0. 421	+0. 018	+0. 102	−0. 101	34. 07	−30. 36
	February 24, H.									
18	δ Ursæ Minoris s. p.	28	6 0 12. 96	+0. 230	+0. 425	+0. 270	−2. 259	.....	45. 33	.....
19	Boss 1565	20	6 10 26. 81	+0. 272	+0. 425	+0. 014	+0. 310	+0. 081	55. 60	−31. 61
20	μ Geminorum	20	6 18 18. 27	+0. 261	+0. 459	+0. 013	+0. 271	+0. 142	47. 13	−31. 57
21	51 Aurigæ	20	6 33 15. 36	+0. 286	+0. 410	+0. 016	+0. 372	−0. 004	44. 10	−31. 64
22	ψ^5 Aurigæ	20	6 41 5. 87	+0. 350	+0. 340	+0. 017	+0. 483	−0. 037	34. 80	−31. 53
23	θ Geminorum	18	6 47 40. 45	+0. 368	+0. 329	+0. 015	+0. 442	+0. 033	9. 39	−31. 55
24	51 H. Cephei	32	7 1 36. 80	+0. 358	+0. 376	−0. 326	+4. 869	.....	4. 88	.....
25	Boss 1897	20	7 15 37. 80	+0. 368	+0. 363	+0. 017	+0. 523	−0. 058	6. 73	−31. 59
26	ρ Geminorum	20	7 24 8. 29	+0. 385	+0. 357	+0. 014	+0. 450	+0. 050	37. 13	−31. 67
27	Boss 2001	20	7 34 6. 78	+0. 387	+0. 441	+0. 015	+0. 472	+0. 040	35. 65	−31. 66
	February 24, Mg.									
28	26 Lyncis	20	7 49 1. 33	+0. 393	+0. 393	+0. 018	+0. 578	−0. 090	30. 22	−31. 62
29	χ Geminorum	20	7 58 47. 72	+0. 393	+0. 382	+0. 014	+0. 436	+0. 080	16. 62	−31. 63
30	31 Lyncis	20	8 17 31. 15	+0. 388	+0. 374	+0. 017	+0. 532	−0. 041	0. 09	−31. 57
31	Groombridge 1450	20	8 27 53. 65	+0. 388	+0. 380	+0. 015	+0. 497	+0. 004	22. 50	−31. 67
32	Boss 2306	20	8 35 39. 05	+0. 400	+0. 402	+0. 017	+0. 572	−0. 072	7. 92	−31. 65
33	76 Draconis s. p.	28	8 49 11. 14	+0. 413	+0. 425	+0. 118	−1. 574	.....	40. 14	.....
34	Boss 2426	20	8 58 16. 26	+0. 432	+0. 471	+0. 013	+0. 462	+0. 127	45. 18	−31. 68
35	Boss 2465	20	9 8 45. 22	+0. 436	+0. 453	+0. 017	+0. 602	−0. 050	14. 18	−31. 61
36	40 Lyncis	20	9 16 23. 03	+0. 448	+0. 429	+0. 015	+0. 542	+0. 039	51. 96	−31. 67
37	1 H. Draconis	32	9 25 40. 91	+0. 476	+0. 425	−0. 111	+2. 423	.....	9. 54	.....
	February 26, H.									
38	μ Geminorum	20	6 18 19. 30	0. 000	+0. 539	+0. 010	0. 000	+0. 167	47. 10	−32. 38
39	51 Aurigæ	20	6 33 16. 35	+0. 014	+0. 541	+0. 012	+0. 018	−0. 005	44. 07	−32. 30
40	ψ^5 Aurigæ	20	6 41 7. 18	+0. 016	+0. 536	+0. 012	+0. 022	−0. 059	34. 77	−32. 39
41	θ Geminorum	20	6 47 41. 63	+0. 024	+0. 562	+0. 011	+0. 029	+0. 056	9. 36	−32. 37
42	51 H. Cephei	32	7 1 44. 29	+0. 046	+0. 663	−0. 326	+0. 626	.....	4. 16	.....
43	Boss 1897	20	7 15 39. 16	+0. 049	+0. 551	+0. 013	+0. 070	−0. 088	6. 70	−32. 46
44	ρ Geminorum	20	7 24 9. 41	+0. 063	+0. 432	+0. 011	+0. 074	+0. 060	37. 11	−32. 44
45	26 Lyncis	20	7 49 2. 59	+0. 095	+0. 491	+0. 013	+0. 140	−0. 113	30. 20	−32. 43
46	χ Geminorum	20	7 58 48. 86	+0. 110	+0. 491	+0. 010	+0. 121	+0. 103	16. 64	−32. 45
47	31 Lyncis	20	8 17 32. 34	+0. 122	+0. 488	+0. 012	+0. 167	−0. 054	0. 07	−32. 39
48	Boss 2306	20	8 35 40. 19	+0. 129	+0. 647	+0. 013	+0. 184	−0. 116	7. 90	−32. 38
49	76 Draconis s. p.	32	8 49 9. 38	+0. 132	+0. 603	+0. 118	−0. 503	.....	40. 27	.....
	February 26, Mg.									
50	Boss 2550	16	9 27 23. 52	+0. 167	+0. 645	+0. 010	+0. 175	+0. 187	51. 44	−32. 45
51	Boss 2601	12	9 37 16. 24	+0. 196	+0. 587	+0. 012	+0. 257	−0. 018	43. 92	−32. 57
52	μ Leonis	20	9 48 27. 19	+0. 216	+0. 527	+0. 010	+0. 235	+0. 126	55. 09	−32. 47
53	Boss 2681	20	9 56 38. 30	+0. 206	+0. 555	+0. 011	+0. 243	+0. 078	6. 16	−32. 47
54	λ Ursæ Majoris	20	10 12 30. 47	+0. 206	+0. 518	+0. 012	+0. 282	−0. 057	58. 16	−32. 55
55	30 H. Camelopardalis	32	10 21 33. 65	+0. 223	+0. 453	−0. 131	+1. 313	.....	59. 05	.....
56	Boss 2829	20	10 34 27. 97	+0. 236	+0. 444	+0. 011	+0. 278	+0. 058	55. 81	−32. 51
57	46 Leonis Minoris	20	10 49 5. 37	+0. 230	+0. 527	+0. 011	+0. 278	+0. 047	33. 19	−32. 52

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 2926	20	10 56 36.83	+0.218	+0.573	+0.012	+0.283	−0.011	4.54	−32.57
2	ψ Ursæ Majoris	20	11 5 25.57	+0.230	+0.506	+0.013	+0.324	−0.076	53.29	−32.54
3	ν Ursæ Majoris	20	11 14 25.13	+0.260	+0.531	+0.011	+0.312	+0.058	52.97	−32.54
4	39 H. Cephei s. p.	28	11 27 39.41	+0.270	+0.562	+0.290	−2.862	.....	13.12	.....
5	χ Ursæ Majoris	20	11 42 6.43	+0.272	+0.499	−0.014	+0.403	−0.120	34.17	−32.56
	February 27, Mg.									
6	μ Geminorum	20	6 18 20.04	−0.227	+0.640	+0.010	−0.236	+0.198	47.09	−32.92
7	51 Aurigæ	20	6 33 16.94	+0.041*	+0.646	+0.012	+0.053	−0.006	44.05	−32.95
8	ψ^5 Aurigæ	20	6 41 7.50	+0.050	+0.630	+0.012	+0.069	−0.069	34.75	−32.76
9	θ Geminorum	20	6 47 42.07	+0.069	+0.661	+0.011	+0.083	+0.066	9.35	−32.88
10	Boss 1840	18	7 6 14.84	+0.089	+0.667	+0.010	+0.102	+0.113	42.08	−32.98
11	Boss 1897	20	7 15 39.52	+0.100	+0.621	+0.013	+0.142	−0.099	6.68	−32.90
12	ρ Geminorum	20	7 24 9.84	+0.112	+0.662	+0.011	+0.131	+0.093	37.10	−32.98
13	26 Lyncis	14	7 49 2.78	+0.127	+0.615	+0.013	+0.187	−0.141	30.18	−32.66
14	31 Lyncis	20	8 17 32.74	+0.181	+0.587	+0.012	+0.248	−0.065	0.06	−32.88
15	Groombridge 1450	20	8 27 55.10	+0.185	+0.644	+0.012	+0.237	+0.006	22.48	−32.88
16	Boss 2306	20	8 35 40.61	+0.186	+0.631	+0.013	+0.266	−0.114	7.89	−32.88
17	Boss 2426	16	8 58 17.80	+0.192	+0.622	+0.010	+0.205	+0.168	45.17	−33.01
	February 27, H.									
18	40 Lyncis	16	9 16 24.53	+0.206	+0.596	+0.011	+0.249	+0.054	51.97	−32.87
19	μ Leonis	16	9 48 27.60	+0.242	+0.736	+0.010	+0.264	+0.177	55.09	−32.96
20	Boss 2681	20	9 56 38.70	+0.275	+0.745	+0.011	+0.324	+0.104	6.16	−32.98
21	λ Ursæ Majoris	20	10 12 30.78	+0.262	+0.633	+0.012	+0.359	−0.070	58.17	−32.91
22	30 H. Camelopardalis	32	10 21 32.66	+0.270	+0.531	−0.131	+1.590	.....	59.05	.....
23	Boss 2829	20	10 34 28.40	+0.292	+0.597	+0.011	+0.345	+0.078	55.81	−33.02
24	46 Leonis Minoris	20	10 49 5.72	+0.302	+0.708	+0.011	+0.365	+0.064	33.20	−32.96
25	Boss 2926	20	10 56 36.98	+0.313	+0.667	+0.012	+0.407	−0.013	4.55	−32.84
26	ψ Ursæ Majoris	20	11 5 25.80	+0.310	+0.586	+0.013	+0.437	−0.088	53.30	−32.86
27	ν Ursæ Majoris	20	11 14 25.41	+0.319	+0.586	+0.011	+0.383	+0.064	52.98	−32.89
28	39 H. Cephei s. p.	32	11 27 42.29	+0.337	+0.514	+0.290	−3.572	.....	13.02	.....
29	χ Ursæ Majoris	20	11 42 6.71	+0.354	+0.478	+0.014	+0.524	−0.115	34.19	−32.94
30	Groombridge 1830	20	11 48 36.82	+0.393	+0.529	+0.012	+0.503	+0.005	4.45	−32.89
31	Boss 3143	20	11 58 20.63	+0.391	+0.562	+0.012	+0.540	−0.063	48.04	−33.08
32	Boss 3194	20	12 12 34.36	+0.370	+0.616	+0.010	+0.392	+0.172	1.89	−33.04
	March 3, Mg.									
33	μ Geminorum	20	6 18 21.48	−0.039	+0.410	+0.010	−0.041	+0.127	47.03	−34.55
34	51 Aurigæ	20	6 33 18.59	+0.008	+0.348	+0.012	+0.010	−0.003	43.98	−34.63
35	ψ^5 Aurigæ	20	6 41 9.20	+0.046	+0.299	+0.012	+0.063	−0.033	34.68	−34.56
36	θ Geminorum	20	6 47 43.69	+0.087	+0.357	+0.011	+0.104	+0.036	9.29	−34.55
37	51 H. Cephei	28	7 1 42.11	+0.143	+0.425	−0.327	+1.945	.....	2.36	.....
38	Boss 1897	20	7 15 41.11	+0.180	+0.380	+0.013	+0.256	−0.061	6.60	−34.72
39	ρ Geminorum	20	7 24 11.36	+0.204	+0.316	+0.011	+0.239	+0.044	37.05	−34.60
40	Boss 2001	20	7 34 9.86	+0.225	+0.330	+0.011	+0.274	+0.030	35.55	−34.63
41	26 Lyncis	20	7 49 4.40	+0.262	+0.334	+0.013	+0.385	−0.077	30.13	−34.59
42	χ Geminorum	20	7 58 50.70	+0.300	+0.334	+0.010	+0.333	+0.070	16.55	−34.56
43	31 Lyncis	18	8 17 34.12	+0.346	+0.322	+0.012	+0.474	−0.035	0.02	−34.55
44	Boss 2306	20	8 35 41.87	+0.411	+0.241	+0.013	+0.588	−0.043	7.85	−34.58
45	76 Draconis s. p.	28	8 49 15.23	+0.455	+0.269	+0.118	−1.734	.....	40.81	.....
	March 4, H.									
46	51 Aurigæ	18	6 33 19.25	−0.264	+0.158	+0.012	−0.343	−0.002	43.96	−34.96
47	ψ^5 Aurigæ	20	6 41 10.02	−0.302	+0.068	+0.012	−0.417	−0.007	34.66	−34.95
48	θ Geminorum	20	6 47 44.61	−0.352	+0.117	+0.011	−0.422	+0.012	9.27	−34.94
49	25 H. Camelopardalis	20	7 13 51.25	−0.138	+0.134	−0.124	−0.773	.....	13.96	.....
50	ρ Geminorum	20	7 24 12.26	−0.242	+0.164	+0.011	−0.283	+0.023	37.04	−34.97
51	Boss 2001	20	7 34 10.85	−0.292	+0.157	+0.011	−0.356	+0.014	35.54	−34.98
52	26 Lyncis	20	7 49 5.74	−0.375	+0.068	+0.013	−0.551	−0.016	30.11	−35.08
53	χ Geminorum	20	7 58 51.97	−0.465	+0.056	+0.010	−0.516	+0.013	16.55	−34.93
54	31 Lyncis	20	8 17 35.13	−0.075	+0.023	+0.012	−0.103	−0.003	0.01	−35.03
55	Groombridge 1450	20	8 27 57.64	−0.162	+0.033	+0.012	−0.207	0.000	22.43	−35.03
56	Boss 2306	20	8 35 43.29	−0.237	+0.107	+0.013	−0.339	−0.019	7.84	−35.11
57	76 Draconis s. p.	32	8 49 13.49	−0.310	+0.107	+0.118	+1.181	.....	40.89	.....
58	Boss 2465	20	9 8 49.82	−0.426	+0.073	+0.012	−0.588	−0.008	14.14	−35.10
59	40 Lyncis	20	9 16 27.56	−0.538	+0.147	+0.011	−0.651	+0.013	51.95	−34.98
60	Boss 2550	20	9 27 27.02	−0.618	+0.267	+0.010	−0.649	+0.077	51.43	−35.03

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	March 4, Mg.		h m s	s	s	s	s	s	s	s
1	μ Leonis	20	9 48 30.12	−0.040*	+0.325	+0.010	−0.044	+0.078	55.10	−35.06
2	Boss 2681	20	9 56 41.28	−0.149	+0.353	+0.011	−0.176	+0.049	6.16	−35.00
3	λ Ursæ Majoris	20	10 12 33.66	−0.245	+0.309	+0.012	−0.336	−0.034	58.19	−35.11
4	30 H. Camelopardalis	32	10 21 37.82	−0.337	+0.272	+0.131	−1.985	.....	58.94	.....
5	Boss 2829	20	10 34 31.35	−0.408	+0.365	+0.011	−0.481	+0.047	55.84	−35.09
6	46 Leonis Minoris	20	10 49 8.23	+0.011*	+0.349	+0.011	+0.013	+0.031	33.24	−35.05
7	Boss 2926	20	10 56 39.72	−0.058	+0.348	+0.012	−0.075	−0.007	4.60	−35.05
8	ψ Ursæ Majoris	20	11 5 28.62	−0.124	+0.349	+0.013	−0.175	−0.052	53.35	−35.06
9	ν Ursæ Majoris	20	11 14 28.32	−0.199	+0.385	+0.011	−0.239	+0.042	53.04	−35.09
10	39 H. Cephei s. p.	32	11 27 39.95	−0.320	+0.398	+0.290	+3.392	.....	12.75	.....
11	χ Ursæ Majoris	20	11 42 9.99	−0.462	+0.356	+0.014	−0.684	−0.085	34.27	−34.96
12	Boss 3143	20	11 58 23.94	−0.580	+0.356	+0.012	−0.800	−0.039	48.12	−34.99
13	Boss 3194	20	12 12 36.96	+0.024*	+0.415	+0.010	+0.025	+0.116	1.97	−35.14
14	Boss 3242	20	12 23 16.82	−0.059	+0.507	+0.010	−0.066	+0.101	41.68	−35.18
15	8 Canum Venaticorum	20	12 30 17.83	−0.129	+0.477	+0.012	−0.173	−0.033	42.56	−35.08
	March 7, Mg.									
16	ψ^5 Aurigæ	20	6 41 10.65	+0.120	+0.330	+0.012	+0.166	−0.036	34.60	−36.19
17	θ Geminorum	20	6 47 45.28	+0.104	+0.376	+0.011	+0.125	+0.038	9.22	−36.23
18	51 H. Cephei	24	7 1 41.52	+0.109	+0.366	−0.327	+1.482	.....	1.13	.....
19	Boss 1897	20	7 15 42.64	+0.109	+0.226	+0.013	+0.155	−0.036	6.54	−36.23
20	ρ Geminorum	20	7 24 13.11	+0.079	+0.259	+0.011	+0.092	+0.036	37.00	−36.25
21	26 Lyncis	20	7 49 6.27	+0.097	+0.313	+0.013	+0.143	−0.072	30.06	−36.29
22	χ Geminorum	20	7 58 52.55	+0.104	+0.300	+0.010	+0.115	+0.063	16.51	−36.23
23	Groombridge 1450	20	8 27 58.58	+0.108	+0.140	+0.012	+0.138	+0.001	22.41	−36.32
24	Boss 2306	20	8 35 43.95	+0.109	+0.185	+0.013	+0.156	−0.033	7.82	−36.27
25	76 Draconis s. p.	28	8 49 16.62	+0.095	+0.185	+0.118	−0.362	.....	41.16	.....
26	Boss 2426	20	8 58 21.27	+0.087	+0.230	+0.010	+0.093	+0.062	45.13	−36.30
27	Boss 2465	20	9 8 50.27	+0.103	+0.195	+0.012	+0.142	−0.021	14.13	−36.27
28	40 Lyncis	20	9 16 28.10	+0.092	+0.146	+0.011	+0.111	+0.013	51.94	−36.30
	March 7, H.									
29	Boss 2550	20	9 27 27.56	+0.080	+0.199	+0.010	+0.084	+0.058	51.43	−36.28
30	Boss 2601	20	9 37 20.08	+0.069	+0.145	+0.012	+0.090	−0.004	43.92	−36.26
31	μ Leonis	20	9 48 31.22	+0.061	+0.168	+0.010	+0.066	+0.040	55.10	−36.24
32	Boss 2681	20	9 56 42.36	+0.066	+0.255	+0.011	+0.078	+0.036	6.16	−36.32
33	λ Ursæ Majoris	20	10 12 34.33	+0.103	+0.241	+0.012	+0.141	−0.027	58.19	−36.27
34	30 H. Camelopardalis	32	10 21 36.50	+0.097	+0.248	−0.131	+0.571	.....	58.94	.....
35	Boss 2829	20	10 34 32.01	+0.065	+0.268	+0.011	+0.077	+0.035	55.86	−36.27
36	Boss 2926	20	10 56 40.81	+0.065	+0.256	+0.012	+0.084	−0.005	4.62	−36.28
37	ψ Ursæ Majoris	20	11 5 29.58	+0.067	+0.258	+0.013	+0.094	−0.039	53.38	−36.27
38	ν Ursæ Majoris	20	11 14 29.28	+0.073	+0.264	+0.011	+0.088	+0.029	53.06	−36.35
39	39 H. Cephei s. p.	32	11 27 44.69	+0.071	+0.266	+0.290	−0.753	.....	12.54	.....
40	χ Ursæ Majoris	20	11 42 10.56	+0.072	+0.225	+0.014	+0.107	−0.054	34.31	−36.32
41	Groombridge 1830	20	11 48 40.74	+0.094	+0.219	+0.012	+0.120	+0.002	4.57	−36.30
42	Boss 3143	20	11 58 24.44	+0.096	+0.254	+0.012	+0.132	−0.028	48.17	−36.39
43	Boss 3242	20	12 23 17.97	+0.104	+0.261	+0.010	+0.116	+0.052	41.73	−36.42
44	8 Canum Venaticorum	20	12 30 18.86	+0.087	+0.262	+0.012	+0.117	−0.018	42.62	−36.35
45	Boss 3322	16	12 41 44.89	+0.090	+0.260	+0.013	+0.129	−0.047	8.56	−36.43
46	32 H. Camelopardalis	32	12 49 22.29	+0.091	+0.222	−0.150	+0.603	.....	45.51	.....
	March 9, Mg.									
47	ψ^5 Aurigæ	20	6 41 11.60	+0.101	+0.329	+0.012	+0.139	−0.036	34.56	−37.16
48	θ Geminorum	20	6 47 46.16	+0.087	+0.270	+0.011	+0.104	+0.027	9.18	−37.12
	Boss 1840	20	7 6 18.95	+0.060	+0.247	+0.010	+0.069	+0.042	41.93	−37.14
49	25 H. Camelopardalis	32	7 13 51.56	+0.063	+0.236	−0.124	+0.353	.....	13.33	.....
50	ρ Geminorum	20	7 24 13.99	+0.079	+0.245	+0.011	+0.092	+0.034	36.97	−37.16
51	Boss 2001	20	7 34 12.47	+0.077	+0.279	+0.011	+0.094	+0.025	35.48	−37.12
52	26 Lyncis	20	7 49 7.13	+0.067	+0.260	+0.013	+0.098	−0.060	30.03	−37.15
53	χ Geminorum	20	7 58 53.46	+0.073	+0.269	+0.010	+0.081	+0.056	16.49	−37.12
54	31 Lyncis	20	8 17 37.03	+0.088	+0.271	+0.012	+0.121	−0.030	59.95	−37.18
55	Groombridge 1450	20	8 27 59.37	+0.092	+0.261	+0.012	+0.118	+0.003	22.39	−37.11
56	Boss 2306	20	8 35 44.82	+0.083	+0.275	+0.013	+0.119	−0.050	7.80	−37.10
57	Boss 2426	20	8 58 22.07	+0.074	+0.275	+0.010	+0.079	+0.074	45.12	−37.11
58	Boss 2465	20	9 8 51.25	+0.081	+0.269	+0.012	+0.112	−0.030	14.12	−37.22
59	40 Lyncis	20	9 16 28.97	+0.079	+0.269	+0.011	+0.096	+0.024	51.93	−37.17

* Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	March 9, H.		h m s	s	s	s	s	s	s	s
1	λ Ursæ Majoris	20	10 12 35.31	+0.049	+0.261	+0.012	+0.067	−0.029	58.19	−37.17
	March 10, H.									
2	51 H. Cephei	28	7 1 41.66	−0.006	+0.273	−0.327	−0.082	.....	0.10	.....
3	Boss 1897	20	7 15 44.04	−0.012	+0.231	+0.013	−0.017	−0.037	6.49	−37.51
4	ρ Geminorum	20	7 24 14.45	−0.001	+0.259	+0.011	−0.001	+0.036	36.95	−37.55
5	Boss 2001	20	7 34 12.95	−0.012	+0.296	+0.011	−0.014	+0.027	35.46	−37.51
6	26 Lyncis	20	7 49 7.55	−0.016	+0.269	+0.013	−0.022	−0.062	30.02	−37.46
7	χ Geminorum	20	7 58 53.97	−0.005	+0.264	+0.010	−0.006	+0.055	16.48	−37.55
8	Groombridge 1450	20	8 27 59.94	−0.009	+0.268	+0.012	−0.012	+0.003	22.38	−37.56
9	Boss 2306	20	8 35 45.33	−0.005	+0.275	+0.013	−0.007	−0.050	7.79	−37.50
10	76 Draconis s. P.	32	8 49 17.23	−0.007	+0.241	+0.118	+0.027	.....	41.32	.....
11	Boss 2426	20	8 58 22.60	−0.005	+0.241	+0.010	−0.005	+0.065	45.12	−37.55
12	40 Lyncis	20	9 16 29.47	−0.001	+0.260	+0.011	−0.001	+0.023	51.93	−37.57
13	Boss 2550	20	9 27 28.92	+0.006	+0.256	+0.010	+0.006	+0.074	51.42	−37.59
14	Boss 2601	20	9 37 21.50	+0.006	+0.255	+0.012	+0.008	−0.008	43.91	−37.60
15	μ Leonis	20	9 48 32.60	−0.001	+0.226	+0.010	−0.001	+0.054	55.09	−37.57
	March 12, H.									
16	μ Geminorum	20	6 18 25.07	+0.069	+0.334	+0.010	+0.072	+0.104	46.88	−38.38
17	51 Aurigæ	20	6 33 22.16	+0.072	+0.298	+0.012	+0.094	−0.003	43.81	−38.45
18	ψ^5 Aurigæ	14	6 41 12.73	+0.064	+0.225	+0.012	+0.088	−0.025	34.50	−38.31
19	θ Geminorum	20	6 47 47.40	+0.056	+0.261	+0.011	+0.067	+0.026	9.13	−38.37
20	51 H. Cephei	32	7 1 41.08	+0.078	+0.299	−0.327	+1.060	.....	59.37	.....
21	Boss 1897	20	7 15 44.67	+0.087	+0.286	+0.013	+0.124	−0.046	6.46	−38.30
22	ρ Geminorum	20	7 24 15.18	+0.072	+0.291	+0.011	+0.084	+0.041	36.92	−38.40
23	Boss 2001	20	7 34 13.62	+0.079	+0.306	+0.011	+0.096	+0.028	35.44	−38.32
24	26 Lyncis	20	7 49 8.26	+0.075	+0.345	+0.013	+0.110	−0.079	29.98	−38.32
25	χ Geminorum	20	7 58 54.65	+0.069	+0.344	+0.010	+0.077	+0.072	16.46	−38.35
26	31 Lyncis	20	8 17 38.18	+0.093	+0.312	+0.012	+0.127	−0.034	59.90	−38.38
	March 12, Mg.									
27	Boss 2306	20	8 35 46.11	+0.102	+0.277	+0.013	+0.146	−0.050	7.77	−38.45
28	76 Draconis s. P.	28	8 49 18.36	+0.102	+0.276	+0.118	−0.392	.....	41.53	.....
29	Boss 2426	20	8 58 23.29	+0.077	+0.316	+0.010	+0.082	+0.085	45.11	−38.36
30	Boss 2465	20	9 8 52.49	+0.057	+0.317	+0.012	+0.079	−0.035	14.10	−38.45
31	40 Lyncis	20	9 16 30.22	+0.059	+0.307	+0.011	+0.071	+0.028	51.91	−38.42
32	1 H. Draconis	32	9 25 48.73	+0.063	+0.344	−0.111	+0.321	.....	8.86	.....
33	Boss 2601	20	9 37 22.36	+0.075	+0.303	+0.012	+0.098	−0.009	43.91	−38.55
34	μ Leonis	20	9 48 33.39	+0.084	+0.303	+0.010	+0.092	+0.073	55.09	−38.48
35	Boss 2681	20	9 56 44.43	+0.083	+0.347	+0.011	+0.098	+0.049	6.17	−38.42
36	λ Ursæ Majoris	20	10 12 36.53	+0.095	+0.336	+0.012	+0.130	−0.037	58.18	−38.45
37	30 H. Camelopardalis	32	10 21 38.69	+0.106	+0.299	−0.131	+0.624	.....	58.84	.....
38	Boss 2829	20	10 34 34.13	+0.102	+0.312	+0.011	+0.120	+0.041	55.89	−38.41
39	46 Leonis Minoris	20	10 49 11.57	+0.095	+0.351	+0.011	+0.115	+0.032	33.28	−38.45
40	Boss 2926	20	10 56 42.97	+0.097	+0.336	+0.012	+0.126	−0.007	4.66	−38.44
41	ψ Ursæ Majoris	20	11 5 31.77	+0.089	+0.324	+0.013	+0.125	−0.049	53.41	−38.45
42	ν Ursæ Majoris	20	11 14 31.38	+0.075	+0.370	+0.011	+0.090	+0.041	53.10	−38.42
	March 13, Mg.									
43	ψ^5 Aurigæ	20	6 41 13.10	+0.051	+0.140	+0.012	+0.070	−0.034	34.48	−38.67
44	θ Geminorum	20	6 47 47.82	+0.055	+0.146	+0.011	+0.066	+0.015	9.11	−38.80
45	51 H. Cephei	32	7 1 40.69	+0.064	+0.186	−0.327	+0.870	.....	58.84	.....
46	Boss 1897	20	7 15 45.10	+0.072	+0.164	+0.013	+0.102	−0.026	6.44	−38.75
47	ρ Geminorum	20	7 24 15.64	+0.069	+0.174	+0.011	+0.081	+0.024	36.91	−38.85
48	26 Lyncis	20	7 49 8.64	+0.079	+0.229	+0.013	+0.116	−0.053	29.96	−38.76
49	χ Geminorum	20	7 58 55.08	+0.084	+0.188	+0.010	+0.093	+0.039	16.44	−38.78
50	31 Lyncis	20	8 17 38.57	+0.082	+0.181	+0.012	+0.112	−0.020	59.89	−38.78
51	Groombridge 1450	20	8 28 1.06	+0.087	+0.245	+0.012	+0.111	+0.002	22.34	−38.84
	March 13, H.									
52	76 Draconis s. P.	32	8 49 19.00	+0.087	+0.250	+0.118	−0.331	.....	41.61	.....
53	Boss 2426	20	8 58 23.74	+0.068	+0.054*	+0.010	+0.073	+0.015	45.10	−38.74
54	Boss 2465	20	9 8 52.80	+0.067	−0.056	+0.012	+0.092	+0.006	14.09	−38.81
55	40 Lyncis	20	9 16 30.63	+0.067	+0.004	+0.011	+0.081	0.000	51.90	−38.82

* Instrument jarred.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 2550	20	9 27 30. 09	+0. 054	+0. 165	+0. 010	+0. 057	+0. 048	51. 41	−38. 80
2	Boss 2601	20	9 37 22. 69	+0. 055	+0. 228	+0. 012	+0. 072	−0. 007	43. 90	−38. 87
3	μ Leonis	20	9 48 33. 78	+0. 062	+0. 249	+0. 010	+0. 068	+0. 060	55. 08	−38. 84
4	Boss 2681	20	9 56 44. 89	+0. 075	+0. 249	+0. 011	+0. 088	+0. 035	6. 17	−38. 85
5	λ Ursæ Majoris	20	10 12 36. 96	+0. 077	+0. 223	+0. 012	+0. 105	−0. 025	58. 18	−38. 87
6	30 H. Camelopardalis	32	10 21 38. 61	+0. 079	+0. 239	−0. 131	+0. 465	.....	58. 78	.....
7	Boss 2829	20	10 34 34. 54	+0. 094	+0. 275	+0. 011	+0. 111	+0. 036	55. 89	−38. 81
8	46 Leonis Minoris	20	10 49 12. 05	+0. 087	+0. 295	+0. 011	+0. 105	+0. 027	33. 28	−38. 91
9	ψ Ursæ Majoris	20	11 5 32. 12	+0. 080	+0. 260	+0. 013	+0. 113	−0. 039	53. 41	−38. 80
10	ν Ursæ Majoris	20	11 14 31. 78	+0. 098	+0. 264	+0. 011	+0. 118	+0. 029	53. 11	−38. 83
11	39 H. Cephei s. p.	32	11 27 47. 22	+0. 087	+0. 231	+0. 289	−0. 922	.....	12. 30	.....
	March 14, H.									
12	51 Aurigæ	20	6 33 22. 93	−0. 054	−0. 048	+0. 014	−0. 070	0. 000	43. 77	−39. 10
13	ψ⁵ Aurigæ	20	6 41 13. 71	−0. 077	−0. 046	+0. 015	−0. 106	+0. 005	34. 45	−39. 17
14	θ Geminorum	20	6 47 48. 34	−0. 079	+0. 069	+0. 013	−0. 095	+0. 007	9. 09	−39. 17
15	51 H. Cephei	32	7 1 40. 36	−0. 092	+0. 129	−0. 327	−1. 251	.....	58. 41	.....
16	Boss 1897	20	7 15 45. 72	−0. 102	+0. 062	+0. 016	−0. 145	−0. 010	6. 42	−39. 16
17	ρ Geminorum	20	7 24 16. 16	−0. 087	+0. 110	+0. 013	−0. 102	+0. 015	36. 89	−39. 20
18	Boss 2001	20	7 34 14. 61	−0. 092	+0. 257	+0. 013	−0. 112	+0. 023	35. 41	−39. 12
19	26 Lyncis	20	7 49 9. 30	−0. 119	+0. 296	+0. 016	−0. 175	−0. 068	29. 94	−39. 13
20	χ Geminorum	20	7 58 55. 65	−0. 105	+0. 294	+0. 012	−0. 117	+0. 041	16. 43	−39. 16
21	31 Lyncis	20	8 17 39. 17	−0. 109	+0. 301	+0. 015	−0. 149	−0. 033	59. 87	−39. 13
22	Groombridge 1450	20	8 28 1. 69	−0. 122	+0. 315	+0. 014	−0. 156	+0. 003	22. 33	−39. 22
23	Boss 2306	20	8 35 47. 10	−0. 115	+0. 272	+0. 016	−0. 164	−0. 049	7. 74	−39. 16
	March 14, Mg.									
24	76 Draconis s. p.	28	8 49 19. 04	−0. 115	+0. 230	+0. 118	+0. 438	.....	41. 80	.....
25	Boss 2426	20	8 58 24. 33	−0. 108	+0. 266	+0. 012	−0. 116	+0. 072	45. 09	−39. 21
26	Boss 2465	20	9 8 53. 45	−0. 123	+0. 268	+0. 015	−0. 170	−0. 029	14. 08	−39. 19
27	40 Lyncis	20	9 16 31. 19	−0. 130	+0. 302	+0. 013	−0. 157	+0. 027	51. 89	−39. 18
28	1 H. Draconis	28	9 25 50. 12	−0. 102	+0. 329	−0. 111	−0. 519	.....	8. 68	.....
29	Boss 2601	20	9 37 23. 29	−0. 102	+0. 253	+0. 014	−0. 134	−0. 008	43. 90	−39. 26
30	μ Leonis	20	9 48 34. 38	−0. 116	+0. 248	+0. 012	−0. 126	+0. 060	55. 08	−39. 25
31	Boss 2681	14	9 56 45. 42	−0. 117	+0. 283	+0. 013	−0. 138	+0. 040	6. 16	−39. 18
32	λ Ursæ Majoris	20	10 12 37. 63	−0. 114	+0. 258	+0. 015	−0. 156	−0. 028	58. 18	−39. 27
33	30 H. Camelopardalis	24	10 21 40. 68	−0. 105	+0. 225	−0. 131	−0. 618	.....	58. 72	.....
34	Boss 2829	20	10 34 35. 27	−0. 112	+0. 229	+0. 013	−0. 132	+0. 030	55. 89	−39. 29
35	46 Leonis Minoris	20	10 49 12. 63	−0. 117	+0. 249	+0. 013	−0. 142	+0. 022	33. 28	−39. 24
36	Boss 2926	20	10 56 44. 06	−0. 107	+0. 226	+0. 014	−0. 139	−0. 005	4. 66	−39. 27
37	ψ Ursæ Majoris	20	11 5 32. 81	−0. 102	+0. 185	+0. 016	−0. 144	−0. 028	53. 42	−39. 23
38	ν Ursæ Majoris	20	11 14 32. 43	−0. 102	+0. 198	+0. 013	−0. 122	+0. 022	53. 11	−39. 23
39	39 H. Cephei s. p.	28	11 27 47. 14	−0. 109	+0. 224	+0. 289	+1. 155	.....	12. 30	.....
	March 18, H.									
40	μ Geminorum	20	6 47 49. 98	−0. 036	+0. 404	+0. 013	−0. 043	+0. 040	9. 02	−40. 97
41	51 H. Cephei	32	7 1 44. 20	−0. 043	+0. 375	−0. 327	−0. 585	.....	56. 91	.....
42	Boss 1897	20	7 15 47. 34	−0. 054	+0. 358	+0. 016	−0. 077	−0. 057	6. 35	−40. 87
43	ρ Geminorum	20	7 24 17. 73	−0. 056	+0. 381	+0. 013	−0. 066	+0. 053	36. 82	−40. 91
44	26 Lyncis	20	7 49 10. 97	−0. 063	+0. 381	+0. 016	−0. 093	−0. 088	29. 85	−40. 96
45	χ Geminorum	20	7 58 57. 38	−0. 082	+0. 381	+0. 012	−0. 091	+0. 080	16. 45	−40. 93
46	31 Lyncis	20	8 17 40. 87	−0. 108	+0. 336	+0. 015	−0. 148	−0. 037	59. 81	−40. 89
47	Groombridge 1450	20	8 28 3. 37	−0. 108	+0. 338	+0. 014	−0. 138	+0. 003	22. 27	−40. 98
48	Boss 2306	20	8 35 48. 78	−0. 115	+0. 340	+0. 016	−0. 164	−0. 061	7. 69	−40. 88
49	76 Draconis s. p.	28	8 49 20. 84	−0. 124	+0. 335	+0. 118	+0. 472	.....	42. 25	.....
50	Boss 2426	20	8 58 26. 07	−0. 109	+0. 346	+0. 012	−0. 117	+0. 093	45. 06	−41. 00
51	40 Lyncis	20	9 16 32. 91	−0. 099	+0. 410	+0. 013	−0. 120	+0. 037	51. 86	−40. 98
	March 18, Mg.									
52	Boss 2601	20	9 37 24. 99	−0. 117	+0. 409	+0. 014	−0. 153	−0. 012	43. 87	−40. 97
53	μ Leonis	20	9 48 36. 09	−0. 122	+0. 353	+0. 012	−0. 133	+0. 085	55. 06	−40. 99
54	Boss 2681	20	9 56 47. 17	−0. 122	+0. 411	+0. 013	−0. 144	+0. 058	6. 15	−40. 95
55	λ Ursæ Majoris	20	10 12 39. 34	−0. 141	+0. 364	+0. 015	−0. 193	−0. 040	58. 15	−40. 97
56	30 H. Camelopardalis	32	10 21 42. 36	−0. 150	+0. 315	−0. 131	−0. 883	.....	58. 46	.....
57	Boss 2829	20	10 34 37. 00	−0. 148	+0. 341	+0. 013	−0. 175	+0. 044	55. 89	−40. 99
58	46 Leonis Minoris	20	10 49 14. 46	−0. 159	+0. 385	+0. 013	−0. 192	+0. 035	33. 29	−41. 03

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	March 20, H.		h m s	s	s	s	s	s	s	s
1	51 H. Cephei	32	7 1 44.72	−0.001	+0.439	−0.327	−0.136	.....	56.23	.....
2	Boss 1897	20	7 15 48.28	−0.131	+0.415	+0.016	−0.186	−0.066	6.31	−41.73
3	ρ Geminorum	20	7 24 18.76	−0.204	+0.415	+0.013	−0.239	+0.058	36.79	−41.80
4	Boss 2001	20	7 34 17.20	−0.148	+0.419	+0.013	−0.181	+0.038	35.32	−41.75
5	26 Lyncis	20	7 49 11.72	−0.065†	+0.314	+0.016	−0.096	−0.072	29.81	−41.76
6	χ Geminorum	20	7 58 58.10	−0.072	+0.269	+0.012	−0.080	+0.056	16.34	−41.75
7	31 Lyncis	20	8 17 41.74	−0.089	+0.298	+0.015	−0.122	−0.033	59.78	−41.82
8	Groombridge 1450	20	8 28 4.18	−0.116	+0.299	+0.014	−0.148	+0.003	22.24	−41.81
9	Boss 2306	20	8 35 49.65	−0.122	+0.260	+0.016	−0.174	−0.047	7.66	−41.79
10	76 Draconis s. p.	32	8 49 22.30	−0.119	+0.202	+0.118	+0.453	.....	42.44	.....
11	Boss 2426	20	8 58 26.83	−0.122	+0.329	+0.012	−0.131	+0.089	45.05	−41.75
12	Boss 2465	20	9 8 55.99	−0.129	+0.462	+0.015	−0.178	−0.051	14.02	−41.76
13	40 Lyncis	20	9 16 33.77	−0.134	+0.503	+0.013	−0.162	+0.045	51.84	−41.83
	March 20, Mg.									
14	Boss 2550	20	9 27 33.12	−0.130	+0.540	+0.012	−0.136	+0.157	51.37	−41.78
15	Boss 2601	20	9 37 25.84	−0.115	+0.443	+0.014	−0.151	−0.013	43.85	−41.84
16	μ Leonis	20	9 48 36.91	−0.102	+0.446	+0.012	−0.111	+0.107	55.05	−41.87
17	Boss 2681	20	9 56 48.05	−0.109	+0.481	+0.013	−0.129	+0.067	6.14	−41.86
18	λ Ursæ Majoris	20	10 12 40.21	−0.128	+0.403	+0.015	−0.175	−0.044	58.15	−41.86
19	30 H. Camelopardalis	24	10 21 43.04	−0.119	+0.398	−0.131	−0.701	.....	58.38	.....
20	Boss 2829	20	10 34 37.74	−0.112	+0.473	+0.013	−0.132	+0.061	55.89	−41.79
21	46 Leonis Minoris	20	10 49 15.27	−0.119	+0.494	+0.013	−0.144	+0.044	33.29	−41.89
22	Boss 2926	20	10 56 46.67	−0.113	+0.416	+0.014	−0.147	−0.008	4.68	−41.85
23	ψ Ursæ Majoris	20	11 5 35.48	−0.113	+0.377	+0.016	−0.159	−0.057	53.43	−41.85
24	ν Ursæ Majoris	20	11 14 35.06	−0.119	+0.420	+0.013	−0.143	+0.046	53.13	−41.85
25	39 H. Cephei s. p.	28	11 27 47.47	−0.121	+0.424	+0.290	+1.282	.....	12.68	.....
	March 23, Mg.									
26	χ Geminorum	20	7 58 59.33	+0.072	+0.254	+0.012	+0.080	+0.053	16.30	−43.17
27	31 Lyncis	20	8 17 42.71	+0.073	+0.293	+0.015	+0.100	−0.032	59.72	−43.07
28	Groombridge 1450	20	8 28 5.20	+0.087	+0.299	+0.014	+0.111	+0.003	22.20	−43.13
29	Boss 2306	20	8 35 50.66	+0.096	+0.302	+0.016	+0.137	−0.054	7.62	−43.14
30	76 Draconis s. p.	32	8 49 24.10	+0.098	+0.300	+0.118	−0.373	.....	42.78	.....
31	Boss 2426	20	8 58 27.97	+0.099	+0.337	+0.012	+0.106	+0.091	45.01	−43.17
32	Boss 2465	20	9 8 56.94	+0.104	+0.329	+0.015	+0.144	−0.036	13.98	−43.08
33	40 Lyncis	20	9 16 34.81	+0.104	+0.330	+0.013	+0.126	+0.030	51.80	−43.18
34	1 H. Draconis	32	9 25 52.35	+0.099	+0.310	−0.111	+0.504	.....	8.02	.....
	March 23, H.									
35	Boss 2601	20	9 37 26.82	+0.099	+0.262	+0.014	+0.130	−0.008	43.82	−43.14
36	μ Leonis	20	9 48 37.98	+0.112	+0.265	+0.012	+0.122	+0.064	55.02	−43.16
37	Boss 2681	20	9 56 49.04	+0.111	+0.268	+0.013	+0.131	+0.038	6.12	−43.10
38	λ Ursæ Majoris	20	10 12 41.18	+0.093	+0.260	+0.015	+0.127	−0.029	58.12	−43.17
39	30 H. Camelopardalis	32	10 21 42.34	+0.080	+0.254	−0.131	+0.471	.....	58.23	.....
40	Boss 2829	20	10 34 38.82	+0.097	+0.358	+0.013	+0.114	+0.047	55.88	−43.11
41	46 Leonis Minoris	20	10 49 16.32	+0.103	+0.442	+0.013	+0.125	+0.040	33.28	−43.22
42	Boss 2926	20	10 56 47.68	+0.079	+0.345	+0.014	+0.103	−0.007	4.67	−43.12
43	ψ Ursæ Majoris	20	11 5 36.45	+0.082	+0.302	+0.016	+0.116	−0.045	53.42	−43.12
44	ν Ursæ Majoris	20	11 14 36.17	+0.075	+0.381	+0.013	+0.090	+0.042	53.13	−43.18
45	39 H. Cephei s. p.	32	11 27 49.80	+0.063	+0.386	+0.290	−0.668	.....	12.76	.....
46	χ Ursæ Majoris	20	11 42 17.50	+0.074	+0.337	+0.017	+0.110	−0.081	34.42	−43.13
	March 24, H.									
47	51 H. Cephei	32	7 1 41.24	−0.004	+0.220	+0.327	−0.054	.....	54.61	.....
48	Boss 1897	20	7 15 49.71	−0.007	+0.248	+0.016	−0.010	−0.040	6.22	−43.47
49	ρ Geminorum	20	7 24 20.23	+0.006	+0.246	+0.013	+0.007	+0.034	36.72	−43.56
50	Boss 2001	20	7 34 18.76	−0.011	+0.268	+0.013	−0.013	+0.024	35.25	−43.53
51	26 Lyncis	20	7 49 13.32	−0.027	+0.309	+0.016	−0.040	−0.071	29.72	−43.50
52	χ Geminorum	20	7 58 59.71	−0.021	+0.388	+0.012	−0.023	+0.081	16.28	−43.50
53	31 Lyncis	20	8 17 43.27	−0.014	+0.424	+0.015	−0.019	−0.047	59.71	−43.51
54	Boss 2306	20	8 35 51.14	−0.001	+0.363	+0.016	−0.001	−0.065	7.60	−43.59
55	76 Draconis s. p.	32	8 49 24.09	−0.004	+0.311	+0.118	−0.015	.....	42.90	.....
56	Boss 2426	20	8 58 28.46	−0.026	+0.277	+0.012	−0.028	+0.075	45.00	−43.52
57	Boss 2465	20	9 8 57.58	−0.026	+0.278	+0.015	−0.036	−0.031	13.96	−43.57
58	40 Lyncis	20	9 16 35.37	−0.016	+0.309	+0.013	−0.019	+0.028	51.79	−43.60
59	1 H. Draconis	32	9 25 53.11	−0.016	+0.305	−0.111	−0.081	.....	7.93	.....

† Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

WASHINGTON II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	March 24, Mg.		h m s	s	s	s	s	s	s	s
1	Boss 2601	20	9 37 27.40	−0.012	+0.303	+0.014	−0.016	−0.009	43.81	−43.58
2	μ Leonis	20	9 48 38.50	−0.012	+0.291	+0.012	−0.013	+0.070	55.01	−43.57
3	Boss 2681	20	9 56 49.60	−0.015	+0.361	+0.013	−0.018	+0.051	6.11	−43.54
4	30 H. Camelopardalis	32	10 21 44.19	−0.008	+0.381	−0.131	−0.047	.....	58.16	.....
5	Boss 2829	20	10 34 39.38	0.000	+0.384	+0.013	0.000	+0.050	55.87	−43.57
6	46 Leonis Minoris	20	10 49 16.87	−0.009	+0.424	+0.013	−0.011	+0.038	33.28	−43.63
7	Boss 2926	20	10 56 48.28	−0.002	+0.346	+0.014	−0.003	−0.007	4.66	−43.62
8	ψ Ursæ Majoris	20	11 5 37.11	+0.006	+0.237	+0.016	+0.008	−0.036	53.42	−43.68
9	ν Ursæ Majoris	20	11 14 36.71	−0.005	+0.272	+0.013	−0.006	+0.030	53.13	−43.62
10	39 H. Cephei s. p.	28	11 27 52.49	−0.007	+0.264	+0.290	+0.074	.....	12.82	.....
11	χ Ursæ Majoris	20	11 42 18.10	−0.009	+0.157	+0.017	−0.013	−0.038	34.42	−43.65
12	Groombridge 1830	20	11 48 48.43	−0.019	+0.298	+0.014	−0.024	+0.003	4.71	−43.71
	March 26, H.									
13	25 H. Camelopardalis	32	7 13 56.31	+0.041	+0.226	−0.124	+0.230	.....	10.92	.....
14	ρ Geminorum	20	7 24 20.99	+0.041	+0.224	+0.019	+0.048	+0.031	36.68	−44.41
15	Boss 2001	20	7 34 19.50	+0.041	+0.261	+0.020	+0.050	+0.023	35.20	−44.39
16	26 Lyncis	20	7 49 14.03	+0.057	+0.250	+0.024	+0.084	−0.058	29.67	−44.41
17	31 Lyncis	20	8 17 43.94	+0.087	+0.201	+0.022	+0.119	−0.022	59.66	−44.40
18	Groombridge 1450	20	8 28 6.43	+0.109	+0.203	+0.020	+0.140	+0.002	22.15	−44.44
19	Boss 2306	20	8 35 51.87	+0.122	+0.192	+0.023	+0.174	−0.035	7.58	−44.45
20	76 Draconis s. p.	32	8 49 26.38	+0.123	+0.155	+0.118	−0.469	.....	43.20	.....
21	Boss 2426	20	8 58 29.28	+0.115	+0.226	+0.018	+0.123	+0.061	44.97	−44.51
22	Boss 2465	20	9 8 58.26	+0.094	+0.301	+0.022	+0.130	−0.033	13.92	−44.46
23	40 Lyncis	20	9 16 36.06	+0.084	+0.298	+0.020	+0.102	+0.027	51.77	−44.44
24	1 H. Draconis	32	9 25 52.95	+0.084	+0.300	−0.111	+0.428	.....	7.71	.....
25	Boss 2601	20	9 37 28.14	+0.097	+0.264	+0.021	+0.127	−0.008	43.78	−44.50
	March 26, Mg.									
26	μ Leonis	20	9 48 39.26	+0.117	+0.231	+0.018	+0.128	+0.055	54.99	−44.47
27	Boss 2681	20	9 56 50.40	+0.122	+0.251	+0.019	+0.144	+0.035	6.09	−44.51
28	λ Ursæ Majoris	20	10 12 42.44	+0.111	+0.279	+0.022	+0.152	−0.031	58.10	−44.48
29	30 H. Camelopardalis	32	10 21 43.69	+0.118	+0.258	−0.131	+0.695	.....	57.98	.....
30	Boss 2829	20	10 34 40.12	+0.130	+0.315	+0.019	+0.153	+0.041	55.85	−44.48
31	46 Leonis Minoris	20	10 49 17.55	+0.119	+0.429	+0.020	+0.144	+0.039	33.27	−44.48
32	Boss 2926	20	10 56 49.00	+0.107	+0.422	+0.021	+0.139	−0.008	4.65	−44.50
33	ψ Ursæ Majoris	20	11 5 37.77	+0.114	+0.345	+0.023	+0.161	−0.052	53.41	−44.49
34	ν Ursæ Majoris	20	11 14 37.44	+0.132	+0.307	+0.019	+0.158	+0.034	53.13	−44.52
35	39 H. Cephei s. p.	28	11 27 55.16	+0.123	+0.188	+0.290	−1.304	.....	13.02	.....
36	χ Ursæ Majoris	20	11 42 18.72	+0.112	+0.161	+0.024	+0.166	−0.039	34.42	−44.45
37	Groombridge 1830	20	11 48 49.03	+0.120	+0.329	+0.029	+0.154	+0.003	4.72	−44.49
38	Boss 3143	20	11 58 32.68	+0.119	+0.308	+0.022	+0.164	−0.034	48.31	−44.52
	April 3, H.									
39	χ Geminorum	20	7 59 3.90	+0.117	+0.199	+0.018	+0.130	+0.042	16.12	−47.97.
40	Groombridge 1450	20	8 28 9.74	+0.162	+0.319	+0.020	+0.207	+0.003	22.00	−47.97
41	Boss 2306	20	8 35 55.18	+0.172	+0.376	+0.023	+0.246	−0.068	7.35	−48.03
42	76 Draconis s. p.	20	8 49 30.70	+0.182	+0.356	+0.118	−0.693	.....	44.32	.....
43	Boss 2426	20	8 58 32.62	+0.184	+0.390	+0.018	+0.197	+0.105	44.84	−48.10
44	Boss 2465	20	9 9 1.67	+0.144	+0.372	+0.022	+0.199	−0.041	13.76	−48.09
45	40 Lyncis	20	9 16 39.46	+0.136	+0.295	+0.020	+0.165	+0.027	51.65	−48.02
46	1 H. Draconis	32	9 25 55.50	+0.142	+0.310	−0.111	+0.723	.....	6.84	.....
47	Boss 2601	20	9 37 31.55	+0.140	+0.297	+0.021	+0.183	−0.009	43.65	−48.10
48	λ Ursæ Majoris	20	10 12 45.81	+0.162	+0.349	+0.022	+0.222	−0.038	58.01	−48.01
49	30 H. Camelopardalis	32	10 21 45.93	+0.163	+0.252	−0.131	+0.960	.....	57.17	.....
	April 3, Mg.									
50	Boss 2829	20	10 34 43.59	+0.155	+0.244	+0.019	+0.183	+0.032	55.78	−48.04
51	46 Leonis Minoris	20	10 49 21.04	+0.152	+0.286	+0.020	+0.184	+0.026	33.23	−48.04
52	Boss 2926	20	10 56 52.48	+0.154	+0.274	+0.021	+0.200	−0.005	4.58	−48.12
53	ψ Ursæ Majoris	20	11 5 41.20	+0.162	+0.235	+0.023	+0.228	−0.035	53.37	−48.05
54	ν Ursæ Majoris	20	11 14 40.96	+0.168	+0.249	+0.019	+0.202	+0.027	53.10	−48.11
55	39 H. Cephei s. p.	28	11 28 0.66	+0.155	+0.273	+0.290	−1.643	.....	14.27	.....
56	χ Ursæ Majoris	20	11 42 22.31	+0.169	+0.266	+0.024	+0.250	−0.064	34.41	−48.11
57	Groombridge 1830	20	11 48 52.61	+0.162	+0.282	+0.020	+0.207	+0.003	4.73	−48.11
58	Boss 3143	20	11 58 36.19	+0.149	+0.286	+0.022	+0.206	−0.031	48.34	−48.05
59	Boss 3194	20	12 12 50.07	+0.148	+0.313	+0.018	+0.157	+0.088	2.23	−48.10
50	Boss 3242	20	12 23 29.84	+0.145	+0.368	+0.018	+0.162	+0.074	41.98	−48.11
61	8 Canum Venaticorum	20	12 30 30.93	+0.149	+0.347	+0.021	+0.200	−0.024	42.90	−48.23

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS I, 1913.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	November 1, H.		h m s	s	s	s	s	s	s	s
1	30 H.Camelopardalis s.p.	32	22 20 19.22	−0.060	+2.300	+0.115	+0.260	.....	41.13	.....
2	10 Lacertæ	20	22 35 17.92	−0.066	+2.340	+0.049	−0.083	+0.538	23.91	+5.49
3	Boss 5887	20	22 46 8.13	−0.061	+2.300	+0.067	−0.107	−0.462	13.11	+5.48
4	ο Andromedæ	20	22 57 51.91	−0.061	+2.270	+0.051	−0.082	+0.363	57.68	+5.44
5	Boss 5975	20	23 8 30.94	−0.059	+2.260	+0.058	−0.090	0.000	36.45	+5.54
6	Boss 6008	20	23 16 37.98	−0.073	+2.300	+0.048	−0.091	+0.552	44.10	+5.61
7	Boss 6049	16	23 26 57.52	−0.066	+2.300	+0.049	−0.083	+0.506	3.59	+5.60
8	ψ Andromedæ	20	23 41 40.68	−0.055	+2.260	+0.055	−0.079	+0.158	46.32	+5.50
9	Boss 6148	20	23 52 43.44	−0.071	+2.270	+0.066	−0.124	−0.431	48.44	+5.49
10	β Cassiopeiæ	20	0 4 30.63	−0.077	+2.230	+0.073	−0.136	−0.736	35.27	+5.44
11	Boss 43	16	0 12 30.01	−0.059	+2.260	+0.048	−0.074	+0.542	36.05	+5.52
12	α Cassiopeiæ	20	0 35 32.74	−0.057	+2.260	+0.068	−0.101	−0.520	37.68	+5.49
13	32 ^{2}H.Camelopardalis s.p.	28	0 47 59.73	−0.072	+2.300	+0.131	+0.366	.....	23.97	.....
14	μ Cassiopeiæ	20	1 2 28.00	−0.077	+2.300	+0.065	−0.132	−0.391	32.93	+5.39
15	Boss 321	20	1 22 25.25	−0.102	+2.300	+0.054	−0.144	+0.231	30.84	+5.45
	November 1, Mg.									
16	γ Andromedæ	20	1 58 31.65	−0.127	+2.300	+0.051	−0.170	+0.368	37.55	+5.65
17	Boss 534	20	2 16 17.12	−0.122	+2.300	+0.067	−0.214	−0.460	22.05	+5.54
18	Boss 552	20	2 22 0.65	−0.089	+2.300	+0.060	−0.139	−0.092	5.96	+5.48
19	Boss 610	20	2 36 43.68	−0.082	+2.300	+0.050	−0.106	+0.460	49.61	+5.53
20	η Persei	20	2 44 20.88	−0.087	+2.300	+0.067	−0.152	−0.460	25.79	+5.47
21	Boss 672	14	2 53 54.62	−0.083	+2.300	+0.055	−0.121	+0.115	0.19	+5.53
22	Boss 713	20	3 3 36.41	−0.091	+2.260	+0.053	−0.127	+0.249	42.13	+5.54
23	α Persei	20	3 18 6.09	−0.091	+2.260	+0.059	−0.140	−0.045	11.43	+5.47
24	Boss 817	20	3 30 17.68	−0.104	+2.250	+0.057	−0.155	+0.045	23.22	+5.59
25	ν Persei	20	3 39 15.71	−0.099	+2.250	+0.052	−0.134	+0.338	21.56	+5.59
26	Boss 900	20	3 50 8.01	−0.104	+2.310	+0.060	−0.163	−0.092	13.27	+5.46
27	Boss 938	20	4 0 5.83	−0.118	+2.280	+0.059	−0.183	−0.091	11.20	+5.59
28	Boss 970	20	4 8 56.75	−0.128	+2.270	+0.050	−0.166	+0.431	2.65	+5.58
29	Boss 1003	20	4 15 14.86	−0.136	+2.340	+0.055	−0.196	+0.140	20.52	+5.66
	November 5, H.									
30	ψ Andromedæ	20	23 41 40.55	−0.079	+2.230	+0.055	−0.114	+0.156	46.27	+5.62
31	Boss 6148	20	23 52 43.29	−0.085	+2.310	+0.066	−0.148	−0.439	48.36	+5.59
32	Boss 82	20	0 23 30.79	−0.097	+2.340	+0.053	−0.134	+0.281	36.48	+5.49
33	α Cassiopeiæ	20	0 35 32.84	−0.087	+2.340	+0.068	−0.154	−0.538	37.65	+5.43
34	32 ^{2}H.Camelopardalis s.p.	32	0 48 0.34	−0.092	+2.340	+0.131	+0.467	.....	24.32	.....
35	μ Cassiopeiæ	20	1 2 27.97	−0.099	+2.300	+0.065	−0.169	−0.391	32.93	+5.46
36	Boss 298	10	1 14 35.79	−0.097	+2.280	+0.071	−0.179	−0.661	40.53	+5.51
37	υ Andromedæ	20	1 31 39.31	−0.105	+2.280	+0.050	−0.138	+0.410	45.22	+5.59
38	Boss 412	20	1 46 15.66	−0.104	+2.300	+0.065	−0.179	−0.414	20.77	+5.64
39	γ Andromedæ	20	1 58 31.72	−0.119	+2.320	+0.051	−0.159	+0.371	37.58	+5.60
	November 5, Mg.									
40	6 Persei	20	2 7 48.25	−0.114	+2.330	+0.060	−0.179	−0.116	53.45	+5.44
41	Boss 534	20	2 16 17.15	−0.119	+2.180	+0.067	−0.208	−0.436	22.07	+5.49
42	Boss 552	20	2 22 0.78	−0.119	+2.140	+0.060	−0.186	−0.086	5.99	+5.42
43	Boss 610	20	2 36 43.73	−0.123	+2.260	+0.050	−0.159	+0.452	49.65	+5.58
44	η Persei	20	2 44 20.96	−0.127	+2.240	+0.067	−0.222	−0.448	25.86	+5.50
45	Boss 672	20	2 53 54.60	−0.105	+2.210	+0.055	−0.153	+0.110	0.24	+5.63
46	Boss 713	20	3 3 36.48	−0.109	+2.240	+0.053	−0.153	+0.246	42.20	+5.57
47	Boss 740	20	3 11 54.88	−0.117	+2.240	+0.052	−0.160	+0.269	0.65	+5.61
48	α Persei	20	3 18 6.12	−0.114	+2.240	+0.059	−0.176	−0.044	11.52	+5.56
49	Boss 817	20	3 30 17.71	−0.104	+2.280	+0.057	−0.155	+0.046	23.29	+5.63
50	ν Persei	20	3 39 15.80	−0.097	+2.300	+0.052	−0.131	+0.346	21.65	+5.58
51	Boss 900	20	3 50 7.98	−0.103	+2.180	+0.060	−0.162	−0.087	13.36	+5.57
52	Boss 938	20	4 0 5.82	−0.099	+2.180	+0.059	−0.153	−0.087	11.29	+5.65
53	Boss 970	8	4 8 56.75	−0.087	+2.300	+0.050	−0.113	+0.437	2.74	+5.62
54	Boss 1074	20	4 30 38.61	−0.094	+2.280	+0.050	−0.123	+0.410	44.55	+5.60
55	4 Camelopardalis	20	4 40 46.30	−0.099	+2.220	+0.069	−0.178	−0.533	51.22	+5.56
56	ε Ursæ Minoris s. p.	28	4 54 17.74	−0.099	+2.220	+0.103	+0.376	.....	37.79	.....

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	November 6, Mg.		h m s	s	s	s	s	s	s	s
1	Boss 6008	20	23 16 38. 16	−0. 084	+1. 860*	+0. 048	−0. 105	+0. 446	44. 02	+5. 47
2	Boss 6049	20	23 26 57. 66	−0. 089	+1. 850	+0. 049	−0. 112	+0. 407	3. 52	+5. 52
3	ι Andromedæ	20	23 33 49. 16	−0. 101	+1. 820	+0. 052	−0. 136	+0. 255	54. 97	+5. 64
4	ψ Andromedæ	20	23 41 40. 48	−0. 106	+1. 840	+0. 055	−0. 153	+0. 129	46. 26	+5. 75
5	Boss 6148	20	23 52 43. 16	−0. 100	+1. 840	+0. 066	−0. 174	−0. 350	48. 34	+5. 64
6	β Cassiopeiæ	20	0 4 30. 39	−0. 097	+1. 830	+0. 073	−0. 183	−0. 604	35. 19	+5. 51
7	Boss 43	20	0 12 29. 95	−0. 108	+1. 870	+0. 048	−0. 135	+0. 449	36. 00	+5. 69
8	Boss 82	20	0 23 30. 81	−0. 104	+1. 900	+0. 053	−0. 144	+0. 228	36. 47	+5. 53
9	α Cassiopeiæ	20	0 35 32. 67	−0. 094	+1. 950	+0. 068	−0. 166	−0. 448	37. 64	+5. 52
10	32¹ H. Camelopardalis S. P.	24	0 47 55. 79	−0. 090	+1. 940	+0. 131	+0. 457	.....	16. 98	....
	November 6, H.									
11	γ Andromedæ	20	1 58 31. 72	−0. 086	+1. 870	+0. 051	−0. 115	+0. 299	37. 58	+5. 62
	November 7, H.									
12	α Lacertæ	20	22 27 38. 92	+0. 015	+1. 870	+0. 054	+0. 023	−0. 056	44. 45	+5. 51
13	10 Lacertæ	34	22 35 17. 76	+0. 009	+1. 900	+0. 045	+0. 011	+0. 437	23. 81	+5. 56
14	Boss 5887	20	22 46 7. 68	−0. 001	+1. 940	+0. 062	−0. 002	−0. 388	12. 94	+5. 59
15	ο Andromedæ	20	22 57 51. 64	+0. 009	+1. 950	+0. 047	+0. 012	+0. 312	57. 58	+5. 57
16	Boss 5975	20	23 8 30. 70	+0. 019	+1. 950	+0. 053	+0. 029	0. 000	36. 32	+5. 54
17	Boss 6049	20	23 26 57. 44	+0. 019	+1. 940	+0. 046	+0. 024	+0. 427	3. 50	+5. 56
18	ψ Andromedæ	20	23 41 40. 48	−0. 007	+1. 870	+0. 050	−0. 010	+0. 131	46. 24	+5. 59
19	Boss 6148	20	23 52 43. 00	+0. 019	+1. 840	+0. 061	+0. 033	−0. 350	48. 32	+5. 58
20	β Cassiopeiæ	20	0 4 30. 21	+0. 009	+1. 820	+0. 067	+0. 017	−0. 601	35. 17	+5. 48
21	Boss 43	20	0 12 29. 94	+0. 001	+1. 860	+0. 044	+0. 001	+0. 446	35. 99	+5. 56
22	Boss 82	20	0 23 30. 53	+0. 008	+1. 870	+0. 049	+0. 011	+0. 224	36. 46	+5. 65
23	α Cassiopeiæ	20	0 35 32. 46	+0. 008	+1. 830	+0. 063	+0. 014	−0. 421	37. 63	+5. 51
24	32² H. Camelopardalis S. P.	24	0 48 4. 60	+0. 004	+1, 820	+0. 131	−0. 020	.....	24. 51	....
25	μ Cassiopeiæ	20	1 2 27. 68	+0. 001	+1. 830	+0. 060	+0. 002	−0. 311	32. 92	+5. 49
26	Boss 298	20	1 14 35. 37	−0. 005	+1. 830	+0. 066	−0. 009	−0. 531	40. 51	+5. 61
27	υ Andromedæ	20	1 31 39. 16	+0. 004	+1. 820	+0. 046	+0. 005	+0. 328	45. 22	+5. 68
28	Boss 412	20	1 46 15. 45	+0. 011	+1. 790	+0. 060	+0. 019	−0. 322	20. 77	+5. 56
29	γ Andromedæ	20	1 58 31. 67	−0. 005	+1. 840	+0. 047	−0. 007	+0. 294	37. 59	+5. 59
	November 7, Mg.									
30	6 Persei	20	2 7 47. 99	−0. 019	+1. 820	+0. 055	−0. 030	−0. 091	53. 46	+5. 54
31	Boss 534	20	2 16 16. 91	−0. 019	+1. 770	+0. 055	−0. 030	−0. 354	22. 08	+5. 50
32	Boss 610	20	2 36 43. 71	+0. 001	+1. 830	+0. 046	+0. 001	+0. 366	49. 67	+5. 55
33	η Persei	20	2 44 20. 64	−0. 005	+1. 810	+0. 062	−0. 009	−0. 362	25. 88	+5. 55
34	Boss 672	20	2 53 54. 49	−0. 014	+1. 760	+0. 051	−0. 020	+0. 088	0. 26	+5. 65
35	Boss 713	20	3 3 36. 43	−0. 009	+1. 780	+0. 049	−0. 013	+0. 196	42. 23	+5. 57
36	α Persei	20	3 18 6. 11	+0. 001	+1. 790	+0. 054	+0. 002	−0. 036	11. 55	+5. 42
37	Boss 817	20	3 30 17. 64	+0. 009	+1. 840	+0. 052	+0. 013	+0. 037	23. 33	+5. 59
38	ν Persei	20	3 39 15. 71	+0. 011	+1. 870	+0. 048	+0. 015	+0. 280	21. 69	+5. 64
39	Boss 900	12	3 50 8. 07	+0. 004	+1. 860	+0. 055	+0. 006	−0. 074	13. 42	+5. 36
40	Boss 938	20	4 0 5. 79	−0. 001	+1. 780	+0. 055	−0. 002	−0. 071	11. 33	+5. 56
41	Boss 970	20	4 8 56. 80	0. 000	+1. 780	+0. 046	0. 000	+0. 338	2. 78	+5. 60
	November 8, Mg.									
42	ι Andromedæ	20	23 33 48. 92	+0. 069	+1. 830	+0. 048	+0. 093	+0. 256	54. 94	+5. 62
43	Boss 6148	20	23 52 42. 88	+0. 074	+1. 840	+0. 061	+0. 129	−0. 350	48. 30	+5. 58
44	β Cassiopeiæ	16	0 4 30. 03	+0. 065	+1. 790	+0. 067	+0. 123	−0. 591	35. 16	+5. 53
45	Boss 43	20	0 12 29. 76	+0. 062	+1. 780	+0. 044	+0. 078	+0. 427	35. 98	+5. 67
46	Boss 82	20	0 23 30. 47	+0. 080	+1. 860	+0. 049	+0. 110	+0. 223	36. 45	+5. 60
47	α Cassiopeiæ	20	0 35 32. 24	+0. 088	+1. 930	+0. 063	+0. 156	−0. 444	37. 61	+5. 60
48	32¹ H. Camelopardalis S. P.	24	0 47 56. 92	+0. 072	+1. 870	+0. 131	−0. 366	.....	17. 20	....
49	μ Cassiopeiæ	20	1 2 27. 47	+0. 059	+1. 810	+0. 060	+0. 101	−0. 308	32. 92	+5. 60
50	Boss 298	20	1 14 35. 21	+0. 066	+1. 830	+0. 066	+0. 122	−0. 531	40. 51	+5. 64
51	Boss 412	20	1 46 15. 29	+0. 076	+1. 770	+0. 060	+0. 131	−0. 319	20. 77	+5. 61
52	γ Andromedæ	20	1 58 31. 43	+0. 083	+1. 770	+0. 047	+0. 111	+0. 283	37. 60	+5. 73
	November 8, H.									
53	6 Persei	20	2 7 47. 70	+0. 061	+1. 830	+0. 055	+0. 096	−0. 092	53. 46	+5. 70
54	Boss 610	20	2 36 43. 56	+0. 031	+1. 830	+0. 046	+0. 040	+0. 366	49. 68	+5. 67

* Azimuth adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	November 11, H.		h m s	s	s	s	s	s	s	s
1	Boss 5975	20	23 8 30.53	−0.022	+1.830	+0.053	−0.033	0.000	36.24	+5.69
2	Boss 6049	20	23 26 57.38	−0.029	+1.880	+0.046	−0.037	+0.414	3.45	+5.65
3	ψ Andromedæ	20	23 41 40.34	−0.029	+1.940	+0.050	−0.042	+0.136	46.19	+5.71
4	Boss 6148	20	23 52 42.94	−0.047	+1.910	+0.061	−0.082	−0.363	48.24	+5.68
5	β Cassiopeiæ	20	0 4 30.30	−0.131	+1.940	+0.067	−0.248	−0.640	35.10	+5.62
6	Boss 82	20	0 23 30.64	−0.190	+2.060	+0.049	−0.262	+0.247	36.42	+5.75
7	α Cassiopeiæ	20	0 35 32.62	−0.169	+2.060	+0.063	−0.299	−0.474	37.58	+5.67
8	32 ^{2}H. Camelopardalis s.p.	28	0 48 1.92	−0.154	+2.030	+0.131	+0.782	.....	24.91	....
9	Boss 298	18	1 14 35.60	−0.150	+2.010	+0.066	−0.278	−0.583	40.48	+5.68
10	υ Andromedæ	20	1 31 39.35	−0.146	+2.020	+0.046	−0.191	+0.364	45.22	+5.65
11	Boss 412	20	1 46 15.54	−0.140	+2.020	+0.060	−0.241	−0.364	20.77	+5.77
12	γ Andromedæ	20	1 58 31.68	−0.133	+2.040	+0.047	−0.178	+0.326	37.61	+5.73
13	6 Persei	20	2 7 48.14	−0.127	+2.060	+0.055	−0.199	−0.103	53.48	+5.59
	November 11, Mg.									
14	Boss 552	20	2 22 0.70	−0.151	+2.170	+0.055	−0.236	−0.087	6.03	+5.60
15	Boss 610	20	2 36 43.83	−0.135	+2.050	+0.046	−0.174	+0.410	49.71	+5.60
16	η Persei	20	2 44 20.76	−0.104	+1.990	+0.062	−0.182	−0.398	25.93	+5.67
17	Boss 672	20	2 53 54.65	−0.099	+1.970	+0.051	−0.145	+0.098	0.31	+5.66
18	Boss 713	20	3 3 36.48	−0.097	+2.030	+0.049	−0.136	+0.223	42.29	+5.67
19	Boss 740	20	3 11 54.98	−0.114	+2.080	+0.048	−0.156	+0.250	0.74	+5.62
20	α Persei	20	3 18 6.16	−0.117	+2.010	+0.054	−0.180	−0.040	11.63	+5.64
21	Boss 817	20	3 30 17.76	−0.117	+2.010	+0.052	−0.174	+0.040	23.40	+5.72
22	ν Persei	20	3 39 15.85	−0.109	+2.140	+0.048	−0.147	+0.321	21.76	+5.69
23	Boss 900	20	3 50 7.99	−0.100	+2.040	+0.055	−0.157	−0.082	13.49	+5.68
24	Boss 938	18	4 0 6.00	−0.094	+1.970	+0.055	−0.146	−0.079	11.42	+5.59
	November 16, Mg.									
25	Boss 82	20	0 23 30.78	−0.082	+0.370*	+0.049	−0.113	+0.044	36.38	+5.62
26	32 ^{2}H. Camelopardalis s.p.	32	0 48 17.74	−0.069	+0.230	+0.131	+0.351	.....	25.50	....
27	μ Cassiopeiæ	20	1 2 27.26	−0.072	+0.130	+0.060	−0.123	−0.022	32.87	+5.69
28	Boss 298	20	1 14 34.71	−0.097	+0.140	+0.066	−0.179	−0.041	40.46	+5.90
29	Boss 321	20	1 22 25.25	−0.107	+0.220	+0.049	−0.151	+0.022	30.82	+5.65
30	υ Andromedæ	20	1 31 39.49	−0.097	+0.320	+0.046	−0.127	+0.058	45.22	+5.75
31	Boss 412	20	1 46 15.09	−0.091	+0.290	+0.060	−0.157	−0.052	20.78	+5.84
32	γ Andromedæ	20	1 58 31.87	−0.098	+0.250	+0.047	−0.131	+0.040	37.63	+5.80
33	Boss 534	20	2 16 16.35	−0.090	+0.210	+0.062	−0.158	−0.042	22.14	+5.93
34	Boss 610	20	2 36 44.08	−0.083	+0.170	+0.046	−0.107	+0.034	49.76	+5.71
	November 19, H.									
35	ψ Andromedæ	20	23 41 40.10	−0.035	+0.290	+0.045	−0.050	+0.020	46.06	+5.94
36	Boss 6148	20	23 52 42.15	−0.018	+0.250	+0.054	−0.031	−0.048	48.11	+5.98
37	β Cassiopeiæ	20	0 4 29.14	+0.005	+0.220	+0.060	+0.009	−0.073	34.94	+5.80
38	Boss 43	20	0 12 29.98	+0.001	+0.310	+0.039	+0.001	+0.074	35.89	+5.80
39	Boss 82	20	0 23 30.34	+0.008	+0.270	+0.043	+0.011	+0.032	36.36	+5.93
40	α Cassiopeiæ	10	0 35 31.58	+0.012	+0.190	+0.055	+0.021	−0.044	37.47	+5.88
41	32 ^{2}H. Camelopardalis s.p.	28	0 48 18.08	+0.006	+0.210	+0.131	−0.030	.....	25.91	....
42	μ Cassiopeiæ	20	1 2 27.06	−0.006	+0.220	+0.053	−0.010	−0.037	32.84	+5.77
43	Boss 298	20	1 14 34.46	−0.012	+0.220	+0.058	−0.022	−0.064	40.44	+6.01
44	Boss 321	20	1 22 24.98	−0.012	+0.250	+0.044	−0.017	+0.025	30.82	+5.79
45	υ Andromedæ	20	1 31 39.29	−0.015	+0.250	+0.041	−0.020	+0.045	45.21	+5.86
46	Boss 412	20	1 46 14.82	−0.005	+0.260	+0.053	−0.009	−0.047	20.78	+5.96
47	γ Andromedæ	20	1 58 31.76	+0.004	+0.250	+0.042	+0.005	+0.040	37.63	+5.78
48	Boss 534	20	2 16 16.22	−0.005	+0.180	+0.055	−0.009	−0.036	22.16	+5.93
49	Boss 610	20	2 36 43.91	−0.010	+0.170	+0.041	−0.013	+0.034	49.79	+5.82
50	η Persei	20	2 44 20.20	−0.019	+0.210	+0.055	−0.033	−0.042	26.00	+5.82
	November 19, Mg.									
51	Boss 672	20	2 53 54.47	−0.026	+0.260	+0.045	−0.038	+0.013	0.42	+5.93
52	Boss 713	20	3 3 36.56	−0.014	+0.250	+0.043	−0.020	+0.028	42.41	+5.80
53	Boss 740	20	3 11 54.98	−0.021	+0.110	+0.043	−0.029	+0.014	0.86	+5.85
54	α Persei	20	3 18 5.89	−0.033	+0.030	+0.048	−0.051	−0.001	11.74	+5.85
55	Boss 817	20	3 30 17.60	−0.016	+0.100	+0.046	−0.024	+0.002	23.55	+5.93
56	ν Persei	20	3 39 15.96	−0.011	+0.170	+0.042	−0.015	+0.026	21.90	+5.89
57	Boss 900	20	3 50 7.82	−0.009	+0.140	+0.049	−0.014	−0.006	13.68	+5.83

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* Azimuth adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Groombridge 750	32	4 9 16.41	+0.001	+0.070	−0.172	+0.008	.....	21.44	.....
2	Boss 1074	20	4 30 38.97	0.000	+0.060	+0.041	0.000	+0.011	44.90	+5.88
3	4 Camelopardalis	20	4 40 45.77	+0.003	+0.070	+0.056	+0.005	−0.017	51.66	+5.85
4	ε Ursæ Minoris s. p.	20	4 54 30.24	−0.004	+0.030	+0.103	+0.015	.....	36.46	.....
5	Boss 1311	20	5 21 51.92	−0.014	+0.070	+0.038	−0.017	+0.021	57.85	+5.89
6	Boss 1348	14	5 29 27.28	−0.001	+0.010	+0.053	−0.002	−0.002	33.22	+5.89
	November 29, H.									
7	α Cassiopeiæ	20	0 35 31.26	+0.037	+0.260	+0.070	+0.065	−0.060	37.29	+5.95
8	Boss 175	20	0 44 58.06	+0.023	+0.220	+0.051	+0.030	+0.040	4.24	+6.06
9	43 H. Cephei	28	0 56 45.30	+0.010	+0.200	−0.191	+0.093	.....	49.41	.....
10	Boss 298	20	1 14 34.18	−0.019	+0.200	+0.073	+0.035	−0.058	40.33	+6.10
11	Boss 321	20	1 22 24.66	+0.012	+0.210	+0.055	+0.017	+0.021	30.77	+6.02
12	υ Andromedæ	20	1 31 39.05	−0.009	+0.210	+0.051	−0.012	+0.038	45.17	+6.03
13	Boss 412	20	1 46 14.56	+0.009	+0.170	+0.067	+0.015	−0.031	20.73	+6.12
14	γ Andromedæ	20	1 58 31.47	+0.037	+0.170	+0.053	+0.050	+0.027	37.61	+6.01
15	4 Ursæ Minoris s. p.	20	2 9 0.06	+0.033	+0.200	+0.067	−0.071	.....	6.97	.....
16	Boss 552	20	2 21 59.99	+0.022	+0.200	+0.061	+0.034	−0.008	6.12	+6.04
17	Boss 610	20	2 36 43.66	+0.030	+0.240	+0.051	+0.039	+0.048	49.84	+6.04
18	47 H. Cephei	18	2 54 34.54	+0.006	+0.190	−0.074	+0.024	.....	39.84	.....
	November 29, Mg.									
19	Boss 713	8	3 3 36.39	−0.025	+0.110	+0.055	−0.035	+0.012	42.49	+6.07
20	α Persei	20	3 18 5.73	−0.012	0.000	+0.060	+0.018	0.000	11.83	+6.02
21	Boss 817	20	3 30 17.47	−0.007	+0.060	+0.058	−0.010	+0.001	23.68	+6.16
22	ν Persei	20	3 39 15.81	+0.008	+0.170	+0.053	+0.011	+0.026	22.02	+6.12
23	Boss 900	20	3 50 7.65	+0.009	+0.140	+0.061	+0.014	−0.006	13.84	+6.12
24	Groombridge 750	32	4 9 16.80	+0.027	+0.070	−0.172	+0.229	.....	22.25	.....
	December 8, Mg.									
25	ζ Cephei	10	22 7 44.36	+0.018	+0.300	+0.073	+0.033	−0.087	50.60	+6.22
26	30 H. Camelopardalis s. p.	28	22 20 41.37	+0.019	+0.130	+0.115	−0.082	.....	48.46	.....
27	Boss 5887	20	22 46 5.80	+0.019	+0.140	+0.069	+0.033	−0.028	12.05	+6.18
28	ο Andromedæ	20	22 57 50.70	+0.007	+0.220	+0.053	+0.009	+0.035	57.02	+6.22
29	Boss 5975	20	23 8 29.40	+0.004	+0.210	+0.059	+0.006	0.000	35.66	+6.20
30	β Cassiopeiæ	20	0 4 28.18	+0.011	+0.310	+0.075	+0.021	−0.102	34.47	+6.30
31	Boss 43	18	0 12 29.27	−0.006	+0.160	+0.050	−0.008	+0.038	35.63	+6.28
32	α Cassiopeiæ	20	0 35 30.72	+0.011	+0.170	+0.070	+0.019	−0.039	37.10	+6.33
33	Boss 175	20	0 44 57.79	+0.025	+0.170	+0.051	+0.032	+0.031	4.11	+6.21
34	43 H. Cephei	36	0 56 42.11	+0.007	+0.200	−0.191	+0.065	.....	47.33	.....
35	Boss 298	20	1 14 33.58	0.000	+0.160	+0.073	0.000	−0.046	40.14	[+6.53]
36	Boss 321	20	1 22 24.22	+0.012	+0.120	+0.055	+0.017	+0.012	30.65	+6.35
37	Boss 412	20	1 46 14.13	+0.016	+0.220	+0.067	+0.028	−0.040	20.60	+6.41
38	γ Andromedæ	20	1 58 31.13	+0.016	+0.210	+0.053	+0.021	+0.034	37.57	+6.33
39	4 Ursæ Minoris s. p.	28	2 9 0.86	+0.012	+0.190	+0.067	−0.026	.....	7.52	.....
40	Boss 552	20	2 21 59.74	+0.005	+0.150	+0.061	+0.008	−0.006	6.05	+6.25
41	Boss 610	20	2 36 43.43	+0.007	+0.230	+0.051	+0.009	+0.046	49.80	+6.26
42	η Persei	20	2 44 19.66	+0.022	+0.200	+0.069	+0.038	−0.040	26.02	+6.29
43	47 H. Cephei	32	2 54 34.04	+0.024	+0.090	−0.074	+0.097	.....	39.65	.....
44	α Persei	20	3 18 5.43	+0.014	+0.050	+0.060	+0.022	−0.001	11.87	+6.36
45	Boss 817	20	3 30 17.24	+0.021	+0.100	+0.058	+0.031	+0.002	23.70	+6.37
	December 8, H.									
46	Boss 1074	20	4 30 38.75	+0.039	+0.200	+0.051	+0.051	+0.036	45.20	+6.31
47	4 Camelopardalis	20	4 40 45.45	+0.021	+0.200	+0.071	+0.038	−0.048	52.09	[+6.70]
48	ε Ursæ Minoris s. p.	36	4 54 27.91	+0.021	+0.240	+0.103	−0.080	.....	35.61	.....
	December 13, H.									
49	ζ Cephei	20	22 7 44.13	+0.006	+0.320	+0.073	+0.011	−0.093	50.43	[+6.30]
50	30 H. Camelopardalis s. p.	20	22 20 40.50	+0.001	+0.320	+0.115	−0.004	.....	49.39	.....
51	10 Lacertæ	20	22 35 16.61	+0.008	+0.360	+0.050	+0.010	+0.083	23.18	+6.43
52	Boss 5975	20	23 8 28.95	+0.019	+0.390	+0.059	+0.029	0.000	35.55	+6.51
53	ι Andromedæ	20	23 33 47.76	+0.026	+0.390	+0.053	+0.035	+0.055	54.37	+6.47
54	Boss 6148	20	23 52 40.91	+0.036	+0.330	+0.068	+0.063	−0.063	47.51	+6.53
55	β Cassiopeiæ	20	0 4 27.68	+0.032	+0.370	+0.075	+0.060	−0.122	34.33	+6.64
56	Boss 43	20	0 12 28.86	+0.023	+0.360	+0.050	+0.029	+0.086	35.56	+6.54

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 82	20	0 23 29.31	+0.034	+0.330	+0.054	+0.047	+0.040	36.00	+6.55
2	α Cassiopeiæ	20	0 35 30.38	+0.036	+0.310	+0.070	+0.064	−0.071	36.99	+6.55
3	Boss 175	20	0 44 57.43	+0.041	+0.350	+0.051	+0.053	+0.063	4.01	+6.41
4	43 H. Cephei	20	0 56 40.22	+0.041	+0.360	−0.191	+0.383	.....	46.32	.....
5	γ Andromedæ	20	1 58 30.91	+0.057	+0.210	+0.053	+0.076	+0.034	37.54	+6.47
6	4 Ursæ Minoris s. p.	32	2 9 0.81	+0.056	+0.170	+0.067	−0.121	.....	7.89	.....
7	Boss 610	20	2 36 43.17	+0.054	+0.130	+0.051	+0.070	+0.026	49.78	+6.46
8	Boss 672	20	2 53 53.68	+0.059	+0.170	+0.057	+0.086	+0.008	0.44	+6.61
9	48 H. Cephei	32	3 9 18.91	+0.066	+0.160	−0.064	+0.237	.....	25.23	.....
	December 13, Mg.									
10	Boss 817	20	3 30 17.05	+0.044	+0.160	+0.058	+0.066	+0.003	23.71	+6.53
11	ν Persei	20	3 39 15.37	+0.026	+0.120	+0.053	+0.035	+0.018	22.11	+6.63
12	Boss 900	20	3 50 7.35	+0.026	+0.050	+0.061	+0.041	−0.001	13.90	+6.45
13	Boss 938	20	4 0 5.25	+0.034	+0.090	+0.061	+0.053	−0.004	11.90	+6.54
14	Boss 970	20	4 8 56.70	+0.036	+0.180	+0.051	+0.047	+0.034	3.32	+6.49
15	Boss 1003	20	4 15 14.67	+0.025	+0.220	+0.057	+0.036	+0.013	21.27	+6.49
16	Boss 1074	20	4 30 38.62	+0.021	+0.220	+0.051	+0.028	+0.040	45.25	+6.51
17	4 Camelopardalis	20	4 40 45.61	+0.016	+0.180	+0.071	+0.029	−0.043	52.17	+6.50
18	ε Ursæ Minoris s. p.	28	4 54 28.58	+0.026	+0.080	+0.103	−0.099	.....	35.48	.....
19	Boss 1222	20	5 4 13.70	+0.034	+0.080	+0.057	+0.050	+0.004	20.31	+6.50
20	λ Aurigæ	20	5 13 0.41	+0.026	+0.120	+0.051	+0.034	+0.023	7.06	+6.54
21	Boss 1311	20	5 21 51.57	+0.025	+0.120	+0.048	+0.030	+0.036	58.33	+6.65
22	Boss 1348	20	5 29 27.16	+0.019	+0.110	+0.067	+0.032	−0.019	33.84	+6.60
23	σ Aurigæ	20	5 39 9.67	+0.025	+0.060	+0.060	+0.039	−0.001	16.27	+6.50
24	Boss 1452	20	5 47 11.57	+0.039	+0.070	+0.078	+0.076	−0.027	18.27	+6.57
25	δ Ursæ Minoris s. p.	24	5 59 28.59	+0.034	+0.090	+0.237	−0.335	.....	37.02	.....
26	Boss 1608	20	6 19 14.52	+0.022	+0.090	+0.074	+0.041	−0.029	21.15	+6.54
27	51 Aurigæ	20	6 32 37.16	+0.025	+0.130	+0.057	+0.032	+0.027	43.82	+6.54
28	ψ^5 Aurigæ	20	6 40 27.82	+0.024	+0.190	+0.054	+0.033	+0.023	34.45	+6.52
29	15 Lyncis	20	6 49 46.08	+0.001	+0.150	+0.074	−0.002	−0.048	52.77	+6.67
30	51 H. Cephei	20	7 0 59.44	+0.019	+0.130	−0.285	+0.258	.....	5.38	.....
	December 19, H.									
31	Boss 5975	20	23 8 28.84	+0.004	+0.200	+0.059	+0.006	0.000	35.43	+6.53
32	β Cassiopeiæ	20	0 4 27.35	+0.003	−0.130	+0.075	+0.006	+0.043	34.15	+6.68
33	Boss 43	20	0 12 28.94	+0.010	−0.090	+0.050	+0.012	−0.022	35.47	+6.49
34	α Cassiopeiæ	10	0 35 30.21	+0.009	−0.010	+0.070	+0.016	+0.002	36.84	+6.54
35	43 H. Cephei	24	0 56 36.93	+0.014	+0.020	−0.191	+0.131	.....	44.66	.....
36	Boss 610	20	2 36 43.25	+0.008	−0.010	+0.051	+0.010	−0.002	49.75	+6.44
	December 19, Mg.									
37	Boss 938	18	4 0 5.28	+0.016	0.000	+0.061	+0.025	0.000	11.93	+6.56
38	Boss 1003	20	4 15 14.66	+0.011	+0.080	+0.057	+0.016	+0.005	21.32	+6.58
39	Boss 1074	20	4 30 38.62	+0.018	+0.060	+0.051	+0.024	+0.011	45.31	+6.60
40	4 Camelopardalis	20	4 40 45.50	−0.001	−0.010	+0.071	−0.002	+0.002	52.23	+6.66
41	ε Ursæ Minoris s. p.	32	4 54 29.41	0.000	+0.060	+0.103	0.000	.....	35.52	.....
42	λ Aurigæ	20	5 13 0.50	+0.007	−0.040	+0.051	+0.009	−0.008	7.13	+6.58
43	Boss 1311	20	5 21 51.82	0.000	−0.020	+0.048	0.000	−0.006	58.42	+6.56
44	Boss 1348	20	5 29 27.18	−0.004	−0.100	+0.067	−0.007	+0.017	33.97	+6.71
45	ο Aurigæ	14	5 39 9.83	−0.007	−0.120	+0.060	−0.011	+0.004	16.38	+6.50
46	δ Ursæ Minoris s. p.	32	5 59 28.62	+0.012	−0.040	+0.237	−0.118	.....	36.25	.....
47	Boss 1552	16	6 7 53.47	+0.006	−0.030	+0.078	+0.012	+0.012	0.03	+6.46
48	51 Aurigæ	20	6 32 37.38	+0.001	−0.050	+0.051	+0.001	−0.010	43.95	+6.53
49	ψ^5 Aurigæ	20	6 40 28.00	−0.012	−0.020	+0.054	−0.017	−0.002	34.60	+6.56
50	15 Lyncis	20	6 49 46.30	0.000	+0.020	+0.074	0.000	−0.006	52.97	+6.60
51	51 H. Cephei	28	7 0 59.56	+0.008	−0.060	−0.285	+0.108	.....	7.20	.....
	December 20, Mg.									
52	Boss 5887	20	22 46 5.16	+0.019	+0.060	+0.069	+0.033	−0.012	11.70	+6.45
53	ο Andromedæ	20	22 57 50.17	+0.016	+0.040	+0.053	+0.021	+0.006	56.81	+6.56
54	Boss 5975	20	23 8 28.72	+0.016	+0.050	+0.059	+0.024	0.000	35.41	+6.61
55	39 H. Cephei	20	23 27 26.76	+0.001	+0.110	−0.254	+0.012	.....	33.34	.....
56	ψ Andromedæ	20	23 41 38.78	+0.002	+0.100	+0.056	+0.003	+0.007	45.49	+6.64
57	Boss 6148	20	23 52 40.66	+0.009	+0.100	+0.068	+0.016	−0.019	47.33	+6.61

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS I, 1913—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	β Cassiopeiæ	20	0 4 27.43	+0.002	+0.050	+0.075	+0.004	−0.016	34.12	+6.63
2	Boss 43	20	0 12 28.72	+0.002	+0.050	+0.050	+0.002	+0.012	35.46	+6.68
3	Boss 82	20	0 23 29.20	+0.011	+0.100	+0.054	+0.015	+0.012	35.88	+6.60
4	α Cassiopeiæ	20	0 35 30.10	−0.001	+0.090	+0.070	−0.002	−0.021	36.82	+6.67
5	Boss 175	20	0 44 57.26	−0.004	+0.090	+0.051	−0.005	+0.016	3.84	+6.52
6	43 H. Cephei	28	0 56 38.35	+0.001	+0.110	−0.191	+0.009	.....	44.38	.....
7	Boss 298	20	1 14 33.14	0.000	+0.030	+0.073	0.000	−0.009	39.88	+6.68
8	Boss 321	20	1 22 23.84	0.000	+0.040	+0.055	0.000	+0.004	30.49	+6.59
9	υ Andromedæ	20	1 31 38.29	−0.001	+0.080	+0.051	−0.001	+0.014	44.97	+6.62
10	Boss 412	20	1 46 13.75	+0.001	+0.080	+0.067	+0.002	−0.014	20.42	+6.61
11	γ Andromedæ	20	1 58 30.83	−0.001	+0.070	+0.053	−0.001	+0.011	37.47	+6.58
12	Boss 534	20	2 16 15.27	−0.013	+0.040	+0.069	−0.023	−0.008	21.92	+6.61
13	Boss 552	10	2 21 59.30	−0.002	+0.060	+0.061	−0.003	−0.002	5.95	+6.59
14	Boss 610	20	2 36 43.12	−0.002	+0.100	+0.051	−0.003	+0.020	49.75	+6.56
15	η Persei	20	2 44 19.22	+0.001	+0.080	+0.069	+0.002	−0.016	25.94	+6.66
16	47 H. Cephei	32	2 54 33.15	−0.001	+0.040	−0.074	−0.004	.....	39.17	.....
17	Boss 713	20	3 3 35.76	+0.001	+0.020	+0.055	+0.001	+0.002	42.46	+6.64
18	Boss 740	20	3 12 54.32	−0.007	+0.060	+0.054	−0.009	+0.007	0.95	+6.58
19	α Persei	20	3 18 5.18	−0.004	+0.080	+0.060	−0.006	−0.002	11.86	+6.63
20	Boss 817	20	3 30 16.99	+0.001	+0.080	+0.058	+0.001	+0.002	23.72	+6.67
21	ν Persei	20	3 39 15.42	0.000	+0.070	+0.053	0.000	+0.010	22.12	+6.64
	December 20, H.									
22	Boss 938	20	4 0 5.19	+0.009	−0.010	+0.061	+0.014	0.000	11.94	+6.67
23	Groombridge 750	20	4 9 17.18	+0.011	−0.010	−0.172	+0.093	.....	22.24	.....
24	Boss 1074	20	4 30 38.56	+0.009	+0.020	+0.051	+0.012	+0.004	45.32	+6.69
25	4 Camelopardalis	20	4 40 45.61	+0.004	+0.030	+0.071	+0.007	−0.007	52.23	+6.55
26	λ Aurigæ	20	5 13 0.53	+0.004	−0.010	+0.051	+0.005	−0.002	7.14	+6.56
27	Boss 1311	20	5 21 51.71	+0.004	−0.010	+0.048	+0.005	−0.003	58.44	+6.68
28	Boss 1348	20	5 29 27.31	+0.002	−0.010	+0.067	+0.003	+0.002	33.99	+6.61
29	ο Aurigæ	20	5 39 9.62	+0.001	−0.050	+0.060	+0.002	+0.002	16.40	+6.72
30	Boss 1452	20	5 47 11.65	+0.003	−0.050	+0.078	+0.006	+0.019	18.45	+6.70
31	δ Ursæ Minoris s. p.	20	5 59 28.06	+0.014	−0.010	+0.237	−0.138	.....	36.21	.....
32	Boss 1608	20	6 19 14.56	+0.019	−0.020	+0.074	+0.036	+0.006	21.37	+6.69
33	51 Aurigæ	8	6 32 37.24	+0.019	−0.010	+0.051	+0.024	−0.002	43.97	+6.66
34	ψ⁵ Aurigæ	18	6 40 27.90	+0.020	+0.030	+0.054	+0.028	+0.004	34.62	+6.63
35	51 H. Cephei	24	7 0 59.61	+0.017	−0.010	−0.285	+0.231	.....	7.39	.....
	December 23, H.									
36	Boss 175	20	0 44 57.06	+0.035	+0.080	+0.051	+0.046	+0.014	3.90	+6.73
37	43 H. Cephei	24	0 56 36.31	+0.023	+0.040	−0.191	+0.215	.....	43.69	.....
38	γ Andromedæ	20	1 58 30.68	+0.031	+0.050	+0.053	+0.042	+0.008	37.43	+6.65
39	Boss 1222	20	5 4 13.65	+0.020	+0.040	+0.057	+0.029	+0.002	20.46	+6.72
40										
41	December 23, Mg.									
42	Boss 1311	20	5 21 51.73	+0.029	+0.120	+0.048	+0.034	+0.036	58.48	+6.63
43	Boss 1452	20	5 47 11.71	+0.024	0.000	+0.078	+0.047	0.000	18.50	+6.67
44	Boss 1608	20	6 19 14.58	+0.029	+0.030	+0.074	+0.055	−0.010	21.44	+6.74
45	ψ⁵ Aurigæ	20	6 40 27.82	+0.029	+0.090	+0.054	+0.040	+0.011	34.69	+6.77
46	15 Lyncis	20	6 49 46.20	+0.029	+0.080	+0.074	+0.055	−0.026	53.10	+6.80
47	51 H. Cephei	24	7 1 0.65	+0.021	0.000	−0.285	+0.285	.....	7.94	.....
48	25 H. Camelopardalis	8	7 13 7.96	+0.026	−0.020	−0.108	+0.146	.....	15.22	.....
49	24 Lyncis	20	7 35 40.40	+0.026	−0.040	+0.076	+0.050	+0.014	47.32	+6.78
	December 31, H.									
50	Boss 321	20	1 22 23.31	+0.014	−0.010	+0.055	+0.020	−0.001	30.33	+6.95
51	υ Andromedæ	20	1 31 37.77	+0.011	−0.010	+0.051	+0.014	−0.002	44.81	+6.98
52	Boss 412	20	1 46 12.99	+0.015	−0.050	+0.067	+0.026	+0.009	20.22	+7.13
53	γ Andromedæ	20	1 58 30.28	+0.019	−0.050	+0.053	+0.025	−0.008	37.33	+6.98
54	4 Ursæ Minoris s. p.	20	2 9 2.55	+0.021	+0.010	+0.067	−0.045	.....	9.48	.....
55	Boss 610	20	2 36 42.68	+0.005	−0.090	+0.051	+0.006	−0.018	49.67	+6.95
56	η Persei	20	2 44 18.53	+0.014	−0.090	+0.069	+0.024	+0.018	25.78	+7.14
57	47 H. Cephei	20	2 54 31.73	+0.011	−0.090	−0.074	+0.044	.....	38.54	.....
58	Boss 713	20	3 3 35.15	+0.023	−0.080	+0.055	+0.032	−0.009	42.39	+7.16
59	Boss 740	20	3 11 53.88	+0.011	−0.050	+0.054	+0.015	−0.006	0.90	+6.96

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	January 21, M.		h m s	s	s	s	s	s	s	s
1	Boss 1608	18	6 19 15. 04	−0. 072	+1. 033	+0. 052	−0. 136	−0. 330	21. 74	+7. 11
2	51 Aurigæ	20	6 32 37. 16	−0. 076	+1. 008	+0. 035	−0. 097	+0. 213	44. 36	+7. 05
3	ψ^5 Aurigæ	16	6 40 27. 91	−0. 052	+0. 973	+0. 037	−0. 072	+0. 122	35. 06	+7. 06
	January 21, L.									
4	15 Lyncis	10	6 49 46. 76	−0. 029	+1. 013	+0. 052	−0. 055	−0. 327	53. 52	+7. 09
5	51 H. Cephei	18	7 1 15. 60	−0. 033	+0. 997	+0. 551	−0. 528	.....	10. 78	.....
6	Boss 1897	20	7 14 59. 77	−0. 037	+0. 965	+0. 038	−0. 053	+0. 083	6. 87	+7. 03
7	24 Lyncis	20	7 35 41. 27	−0. 043	+0. 961	+0. 052	−0. 082	−0. 326	48. 03	+7. 12
8	26 Lyncis	20	7 48 23. 25	−0. 052	+0. 997	+0. 040	−0. 077	+0. 027	30. 23	+6. 99
9	27 Lyncis	20	8 1 56. 01	−0. 049	+1. 013	+0. 044	−0. 079	−0. 083	2. 90	+7. 01
10	31 Lyncis	20	8 16 52. 90	−0. 043	+0. 984	+0. 037	−0. 059	+0. 127	59. 96	+6. 96
11	Groombridge 1450	20	8 27 15. 27	−0. 046	+1. 005	+0. 034	−0. 058	+0. 234	22. 33	+6. 85
12	76 Draconis s. p.	24	8 48 27. 08	−0. 056	+1. 027	+0. 406	+0. 271	.....	40. 08	.....
13	Boss 2423	20	8 57 39. 54	−0. 064	+0. 987	+0. 047	−0. 110	−0. 172	46. 31	+7. 01
14	Boss 2465	6	9 8 6. 78	−0. 059	+0. 960	+0. 037	−0. 081	+0. 122	13. 82	+6. 96
15	40 Lyncis	20	9 15 44. 37	−0. 050	+0. 953	+0. 033	−0. 059	+0. 282	51. 61	+6. 98
16	1 H. Draconis	26	9 25 4. 82	−0. 044	+0. 947	+0. 187	−0. 256	.....	8. 35	.....
17	Boss 2601	14	9 36 36. 45	−0. 058	+0. 953	+0. 035	−0. 075	+0. 189	43. 46	+6. 86
18	υ Ursæ Majoris	12	9 44 50. 39	−0. 068	+0. 953	+0. 053	−0. 131	−0. 345	56. 98	+7. 01
19	Boss 2673	16	9 53 53. 98	−0. 062	+0. 959	+0. 050	−0. 113	−0. 258	0. 63	+6. 97
	January 22, L.									
20	Boss 938	20	4 0 4. 75	−0. 034	+0. 255*	+0. 042	−0. 053	−0. 009	11. 68	+6. 95
21	Boss 970	20	4 8 56. 19	−0. 051	+0. 272	+0. 035	−0. 066	+0. 053	3. 23	+7. 02
22	Boss 1003	20	4 15 14. 23	−0. 051	+0. 317	+0. 039	−0. 073	+0. 020	21. 16	+6. 94
23	Boss 1074	20	4 30 38. 27	−0. 058	+0. 307	+0. 036	−0. 076	+0. 055	45. 24	+6. 94
24	4 Camelopardalis	20	4 40 45. 20	−0. 070	+0. 269	+0. 049	−0. 126	−0. 066	52. 08	+7. 02
25	ε Ursæ Minoris s. p.	26	4 54 28. 64	−0. 066	+0. 261	+0. 404	+0. 318	.....	37. 67	.....
26	Boss 1222	20	5 4 13. 51	−0. 070	+0. 277	+0. 039	−0. 102	+0. 014	20. 44	+6. 98
27	λ Aurigæ	20	5 13 0. 23	−0. 072	+0. 266	+0. 035	−0. 093	+0. 053	7. 23	+7. 00
28	Boss 1311	12	5 21 51. 50	−0. 073	+0. 273	+0. 033	−0. 086	+0. 082	58. 55	+7. 02
29	Boss 1348	20	5 29 27. 13	−0. 066	+0. 277	+0. 046	−0. 113	−0. 046	34. 10	+7. 08
30	ο Aurigæ	20	5 39 9. 61	−0. 064	+0. 257	+0. 042	−0. 099	−0. 007	16. 57	+7. 02
31	Boss 1452	20	5 47 11. 58	−0. 063	+0. 243	+0. 054	−0. 123	−0. 093	18. 64	+7. 22
32	Boss 1498	20	5 57 1. 19	−0. 063	+0. 294	+0. 037	−0. 086	+0. 041	8. 20	+7. 02
33	Boss 1552	20	6 7 53. 41	−0. 060	+0. 315	+0. 054	−0. 118	−0. 122	0. 37	+7. 15
34	Boss 1608	20	6 19 14. 79	−0. 051	+0. 281	+0. 052	−0. 096	−0. 090	21. 75	+7. 09
35	51 Aurigæ	20	6 32 37. 40	−0. 068	+0. 281	+0. 035	−0. 087	+0. 059	44. 36	+6. 95
36	ψ^5 Aurigæ	20	6 40 28. 06	−0. 078	+0. 278	+0. 037	−0. 107	+0. 034	35. 07	+7. 05
37	15 Lyncis	20	6 49 46. 54	−0. 080	+0. 235	+0. 052	−0. 151	−0. 076	53. 52	+7. 16
	January 22, M.									
38	25 H. Camelopardalis	22	7 13 10. 92	−0. 096	+0. 221	+0. 209	−0. 618	.....	16. 72	.....
39	Boss 1948	20	7 23 20. 62	−0. 085	+0. 167	+0. 042	−0. 132	−0. 005	27. 45	+6. 93
40	24 Lyncis	20	7 35 41. 20	−0. 072	+0. 143	+0. 052	−0. 137	−0. 048	48. 04	+6. 97
41	26 Lyncis	20	7 48 23. 37	−0. 076	+0. 139	+0. 040	−0. 113	+0. 004	30. 24	+6. 94
42	27 Lyncis	20	8 1 56. 00	−0. 075	+0. 085	+0. 044	−0. 121	−0. 007	2. 92	+7. 00
43	31 Lyncis	20	8 16 53. 04	−0. 071	+0. 078	+0. 037	−0. 097	+0. 010	59. 98	+6. 99
44	Groombridge 1450	14	8 27 15. 46	−0. 057	+0. 106	+0. 034	−0. 071	+0. 025	22. 35	+6. 90
45	76 Draconis s. p.	22	8 48 31. 60	−0. 071	+0. 076	+0. 406	+0. 344	.....	39. 98	.....
46	Boss 2423	20	8 57 39. 42	−0. 072	+0. 044	+0. 047	−0. 124	−0. 008	46. 34	+7. 00
47	Boss 2465	20	9 8 6. 92	−0. 068	+0. 036	+0. 037	−0. 093	+0. 005	13. 85	+6. 98
48	40 Lyncis	20	9 15 44. 64	−0. 071	+0. 067	+0. 033	−0. 084	+0. 020	51. 63	+7. 02
49	1 H. Draconis	22	9 25 1. 83	−0. 070	+0. 083	+0. 187	−0. 408	.....	8. 44	.....
50	Boss 2601	18	9 36 36. 57	−0. 077	+0. 129	+0. 035	−0. 099	+0. 026	43. 49	+6. 96
51	υ Ursæ Majoris	20	9 44 50. 06	−0. 085	+0. 167	+0. 053	−0. 164	−0. 060	57. 01	+7. 12
52	Boss 2673	20	9 53 53. 79	−0. 093	+0. 128	+0. 050	−0. 170	−0. 034	0. 67	+7. 03
	January 23, M.									
53	ε Ursæ Minoris s. p.	20	4 54 29. 33	−0. 043	+0. 071	+0. 411	+0. 207	.....	37. 77	.....
54	Boss 1222	20	5 4 13. 45	−0. 069	+0. 112	+0. 041	−0. 101	+0. 006	20. 44	+7. 04
55	λ Aurigæ	20	5 13 0. 20	−0. 081	+0. 123	+0. 037	−0. 104	+0. 025	7. 22	+7. 06
56	Boss 1311	20	5 21 51. 43	−0. 080	+0. 080	+0. 034	−0. 094	+0. 025	58. 55	+7. 16

* Azimuth adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 1348	20	5 29 27.02	−0.079	+0.079	+0.048	−0.135	−0.013	34.10	+7.18
2	ο Aurigæ	20	5 39 9.53	−0.092	+0.057	+0.043	−0.143	−0.001	16.56	+7.13
3	Boss 1452	20	5 47 11.59	−0.092	+0.025	+0.056	−0.180	−0.010	18.64	+7.18
4	Boss 1498	20	5 57 1.15	−0.091	+0.041	+0.038	−0.124	+0.006	8.21	+7.14
5	Boss 1552	20	6 7 53.32	−0.095	+0.023	+0.056	−0.186	−0.009	0.37	+7.19
6	Boss 1608	20	6 19 14.69	−0.072	+0.003	+0.054	−0.136	−0.001	21.76	+7.14
7	51 Aurigæ	20	6 32 37.28	−0.062	+0.033	+0.036	−0.079	+0.007	44.37	+7.13
8	ψ^5 Aurigæ	20	6 40 27.88	−0.076	+0.030	+0.039	−0.105	+0.004	35.07	+7.25
9	15 Lyncis	20	6 49 46.46	−0.062	+0.013	+0.054	−0.117	−0.004	53.53	+7.14
	January 23, L.									
10	Boss 1846	20	7 6 37.21	−0.037	−0.004	+0.045	−0.059	0.000	44.38	+7.18
11	25 H. Camelopardalis	28	7 13 9.86	−0.037	+0.007	+0.217	−0.238	.....	16.72	.....
12	Boss 1948	20	7 23 20.44	−0.049	+0.007	+0.043	−0.076	0.000	27.46	+7.06
13	24 Lyncis	20	7 35 40.96	−0.038	+0.018	+0.054	−0.072	−0.006	48.05	+7.11
14	26 Lyncis	20	7 48 23.22	−0.035	+0.038	+0.042	−0.052	+0.001	30.25	+7.04
15	27 Lyncis	20	8 1 55.87	−0.041	+0.051	+0.045	−0.066	−0.004	2.93	+7.08
16	31 Lyncis	20	8 16 52.96	−0.050	+0.083	+0.039	−0.069	+0.011	59.99	+7.05
17	Groombridge 1450	20	8 27 15.35	−0.062	+0.117	+0.036	−0.078	+0.027	22.36	+7.03
18	Boss 2306	20	8 35 0.68	−0.067	+0.103	+0.040	−0.097	+0.007	7.76	+7.13
19	76 Draconis S. P.	20	8 48 31.63	−0.062	+0.070	+0.413	+0.301	.....	39.92	.....
20	Boss 2423	20	8 57 39.38	−0.049	+0.056	+0.048	−0.084	−0.010	46.38	+7.04
21	Boss 2465	20	9 8 6.81	−0.061	+0.075	+0.039	−0.084	+0.010	13.88	+7.11
22	40 Lyncis	20	9 15 44.58	−0.065	+0.085	+0.034	−0.077	+0.025	51.65	+7.09
23	1 H. Draconis	28	9 25 1.75	−0.054	+0.060	+0.194	−0.314	.....	8.53	.....
24	Boss 2601	20	9 36 36.53	−0.051	+0.072	+0.037	−0.066	+0.014	43.52	+7.02
25	υ Ursæ Majoris	20	9 44 49.95	−0.055	+0.097	+0.055	−0.106	−0.035	57.04	+7.18
	January 24, L.									
26	Boss 938	14	4 0 4.55	−0.042	+0.095	+0.044	−0.065	−0.003	11.66	+7.13
27	Boss 970	6	4 8 56.12	−0.066	+0.057	+0.037	−0.086	+0.011	3.22	+7.14
28	Boss 1003	16	4 15 14.08	−0.076	+0.072	+0.041	−0.110	+0.005	21.15	+7.13
29	Boss 1074	20	4 30 38.18	−0.056	+0.072	+0.037	−0.074	+0.013	45.23	+7.07
30	4 Camelopardalis	20	4 40 44.98	−0.050	+0.061	+0.051	−0.090	−0.015	52.05	+7.12
31	ε Ursæ Minoris S. P.	26	4 54 29.74	−0.072	+0.066	+0.411	+0.347	.....	37.86	.....
32	Boss 1222	20	5 4 13.37	−0.066	+0.083	+0.041	−0.096	+0.004	20.44	+7.12
33	λ Aurigæ	20	5 13 0.12	−0.058	+0.087	+0.037	−0.075	+0.017	7.23	+7.13
34	Boss 1311	20	5 21 51.41	−0.056	+0.067	+0.034	−0.066	+0.020	58.55	+7.15
35	ο Aurigæ	20	5 39 9.47	−0.053	+0.045	+0.043	−0.082	−0.001	16.56	+7.13
36	Boss 1452	20	5 47 11.59	−0.054	+0.037	+0.056	−0.106	−0.014	18.64	+7.11
37	Boss 1498	20	5 57 1.12	−0.064	+0.070	+0.038	−0.087	+0.010	8.22	+7.14
38	Boss 1552	20	6 7 53.23	−0.065	+0.083	+0.056	−0.128	−0.032	0.38	+7.25
39	Boss 1608	20	6 19 14.69	−0.054	+0.049	+0.054	−0.102	−0.016	21.76	+7.13
40	51 Aurigæ	20	6 32 37.31	−0.058	+0.024	+0.036	−0.074	+0.005	44.37	+7.09
41	ψ^5 Aurigæ	20	6 40 27.98	−0.051	+0.025	+0.039	−0.070	+0.003	35.07	+7.12
42	15 Lyncis	20	6 49 46.43	−0.048	+0.033	+0.054	−0.091	−0.011	53.53	+7.15
	January 24, M.									
43	Boss 1846	20	7 6 37.28	−0.072	−0.032	+0.045	−0.116	+0.002	44.39	+7.18
44	25 H. Camelopardalis	20	7 13 9.98	−0.071	+0.022	+0.217	−0.457	.....	16.71	.....
45	Boss 1948	20	7 23 20.48	−0.057	+0.088	+0.043	−0.088	−0.002	27.48	+7.05
46	24 Lyncis	20	7 35 41.01	−0.071	+0.055	+0.054	−0.135	−0.018	48.06	+7.15
47	26 Lyncis	20	7 48 23.22	−0.077	+0.078	+0.042	−0.115	+0.002	30.26	+7.11
48	27 Lyncis	20	8 1 55.94	−0.080	+0.083	+0.045	−0.129	−0.007	2.94	+7.09
49	31 Lyncis	20	8 16 52.96	−0.074	+0.102	+0.039	−0.102	+0.013	0.00	+7.09
50	Groombridge 1450	20	8 27 15.35	−0.084	+0.063	+0.036	−0.105	+0.015	22.38	+7.08
51	Boss 2306	20	8 35 0.67	−0.079	+0.047	+0.040	−0.114	+0.003	7.78	+7.18
52	Boss 2423	20	8 57 39.49	−0.078	+0.071	+0.048	−0.134	−0.012	46.41	+7.02
53	Boss 2465	20	9 8 6.78	−0.100	+0.035	+0.039	−0.137	+0.004	13.91	+7.22
54	40 Lyncis	20	9 15 44.56	−0.086	+0.044	+0.034	−0.102	+0.013	51.67	+7.17
55	1 H. Draconis	24	9 25 1.69	−0.067	+0.048	+0.194	−0.390	.....	8.63	.....
56	Boss 2601	20	9 36 36.52	−0.066	+0.058	+0.037	−0.085	+0.011	43.56	+7.08
57	υ Ursæ Majoris	20	9 44 49.98	−0.080	+0.041	+0.055	−0.154	−0.015	57.07	+7.20
58	Boss 2673	20	9 53 53.68	−0.084	+0.017	+0.052	−0.153	−0.004	0.76	+7.18

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	January 31, M.*		h m s	s	s	s	s	s	s	s
1	Boss 1348	20	5 29 26. 73	−0. 115	+0. 534	+0. 053	−0. 197	−0. 089	33. 97	+7. 47
2	o Aurigæ	20	5 39 9. 24	−0. 115	+0. 513	+0. 048	−0. 178	−0. 013	16. 49	+7. 39
3	Boss 1452	20	5 47 11. 35	−0. 115	+0. 510	+0. 062	−0. 225	−0. 194	18. 51	+7. 52
4	Boss 1498	20	5 57 0. 68	−0. 110	+0. 497	+0. 042	−0. 149	+0. 070	8. 14	+7. 50
5	Boss 1552	20	6 7 53. 00	−0. 112	+0. 469	+0. 062	−0. 220	−0. 182	0. 27	+7. 61
6	Boss 1608	20	6 19 14. 49	−0. 112	+0. 499	+0. 059	−0. 211	−0. 160	21. 67	+7. 49
7	51 Aurigæ	20	6 32 36. 91	−0. 106	+0. 574	+0. 040	−0. 136	+0. 121	44. 36	+7. 43
8	ψ^5 Aurigæ	20	6 40 27. 51	−0. 098	+0. 599	+0. 043	−0. 135	+0. 075	35. 06	+7. 57
9	15 Lyncis	20	6 49 46. 31	−0. 091	+0. 585	+0. 059	−0. 172	−0. 189	53. 51	+7. 50
10	Boss 1846	20	7 6 36. 94	−0. 078	+0. 539	+0. 050	−0. 125	−0. 042	44. 37	+7. 55
11	25 H. Camelopardalis	26	7 13 12. 22	−0. 089	+0. 589	+0. 240	−0. 573	.....	16. 58	.....
	January 31, L.									
12	24 Lyncis	20	7 35 40. 93	−0. 114	+0. 501	+0. 060	−0. 217	−0. 170	48. 09	+7. 49
13	26 Lyncis	20	7 48 23. 03	−0. 102	+0. 532	+0. 046	−0. 152	+0. 014	30. 31	+7. 37
14	27 Lyncis	20	8 1 55. 77	−0. 105	+0. 542	+0. 050	−0. 169	−0. 044	3. 02	+7. 41
15	31 Lyncis	20	8 16 52. 70	−0. 106	+0. 549	+0. 043	−0. 145	+0. 071	0. 08	+7. 41
16	Groombridge 1450	20	8 27 15. 09	−0. 105	+0. 570	+0. 039	−0. 131	+0. 133	22. 46	+7. 33
17	Boss 2306	20	8 35 0. 56	−0. 115	+0. 574	+0. 045	−0. 166	+0. 039	7. 86	+7. 38
18	Boss 2423	20	8 57 39. 31	−0. 125	+0. 538	+0. 054	−0. 215	−0. 094	46. 52	+7. 47
19	Boss 2465	20	9 8 6. 61	−0. 116	+0. 528	+0. 043	−0. 159	+0. 067	14. 01	+7. 45
20	1 H. Draconis	24	9 25 4. 27	−0. 098	+0. 549	+0. 215	−0. 571	.....	9. 10	.....
21	Boss 2601	20	9 36 36. 43	−0. 090	+0. 577	+0. 041	−0. 116	+0. 114	43. 68	+7. 21
22	υ Ursæ Majoris	20	9 44 50. 12	−0. 089	+0. 574	+0. 061	−0. 172	−0. 208	57. 27	+7. 47
23	λ Ursæ Majoris	20	10 11 50. 35	−0. 094	+0. 562	+0. 043	−0. 129	+0. 074	57. 79	+7. 45
	February 2, L.									
24	4 Camelopardalis	20	4 40 44. 52	−0. 004†	+0. 556	+0. 058	−0. 007	−0. 137	51. 86	+7. 43
25	ε Ursæ Minoris S. P.	28	4 54 27. 92	+0. 002	+0. 579	+0. 441	−0. 010	.....	39. 06	.....
26	Boss 1222	20	5 4 12. 84	+0. 001	+0. 635	+0. 047	+0. 001	+0. 032	20. 28	+7. 36
27	λ Aurigæ	20	5 12 59. 48	+0. 005	+0. 657	+0. 042	+0. 006	+0. 131	7. 12	+7. 46
28	Boss 1348	20	5 29 26. 55	−0. 006	+0. 612	+0. 055	−0. 010	−0. 102	33. 93	+7. 44
29	o Aurigæ	20	5 39 8. 97	−0. 006	+0. 579	+0. 050	−0. 009	−0. 015	16. 46	+7. 46
30	Boss 1452	20	5 47 11. 08	+0. 002	+0. 550	+0. 064	+0. 004	−0. 210	18. 46	+7. 52
31	Boss 1498	20	5 57 0. 55	+0. 003	+0. 594	+0. 044	+0. 004	+0. 084	8. 12	+7. 44
32	Boss 1552	20	6 7 52. 84	+0. 012	+0. 606	+0. 064	+0. 024	−0. 235	0. 23	+7. 54
33	Boss 1608	20	6 19 14. 25	+0. 014	+0. 580	+0. 061	+0. 026	−0. 186	21. 64	+7. 48
34	51 Aurigæ	20	6 32 36. 75	+0. 007	+0. 614	+0. 041	+0. 009	+0. 130	44. 35	+7. 42
35	ψ^5 Aurigæ	20	6 40 27. 42	+0. 014	+0. 563	+0. 044	+0. 019	+0. 070	35. 05	+7. 50
36	15 Lyncis	20	6 49 46. 07	+0. 025	+0. 542	+0. 061	+0. 047	−0. 175	53. 49	+7. 49
37	Boss 1846	20	7 6 36. 79	+0. 025	+0. 480	+0. 051	+0. 040	−0. 037	44. 35	+7. 51
38	25 H. Camelopardalis	26	7 13 10. 55	+0. 019	+0. 484	+0. 248	+0. 122	.....	16. 51	.....
	February 2, M.									
39	24 Lyncis	20	7 35 40. 62	+0. 017	+0. 503	+0. 062	+0. 032	−0. 171	48. 09	+7. 55
40	26 Lyncis	20	7 48 22. 72	+0. 019	+0. 585	+0. 048	+0. 028	+0. 016	30. 32	+7. 51
41	27 Lyncis	20	8 1 55. 56	+0. 017	+0. 538	+0. 052	+0. 027	−0. 044	3. 03	+7. 43
42	31 Lyncis	20	8 16 52. 42	+0. 011	+0. 530	+0. 044	+0. 015	+0. 068	0. 09	+7. 54
43	Groombridge 1450	20	8 27 14. 80	+0. 009	+0. 630	+0. 041	+0. 011	+0. 147	22. 48	+7. 48
44	76 Draconis S. P.	24	8 48 28. 51	+0. 008	+0. 576	+0. 443	−0. 039	.....	39. 70	.....
45	Boss 2423	20	8 57 39. 06	−0. 007	+0. 494	+0. 055	−0. 012	−0. 086	46. 53	+7. 51
46	Boss 2465	20	9 8 6. 33	−0. 008	+0. 497	+0. 044	−0. 011	+0. 063	14. 03	+7. 60
47	40 Lyncis	20	9 15 44. 22	+0. 012	+0. 500	+0. 039	+0. 014	+0. 148	51. 81	+7. 39
48	Boss 2601	20	9 36 36. 14	+0. 017	+0. 478	+0. 042	+0. 022	+0. 095	43. 70	+7. 40
49	υ Ursæ Majoris	20	9 44 49. 93	+0. 011	+0. 517	+0. 063	+0. 021	−0. 187	57. 32	+7. 49
50	Boss 2673	20	9 53 53. 68	+0. 009	+0. 512	+0. 059	+0. 016	−0. 138	0. 98	+7. 36
51	λ Ursæ Majoris	20	10 11 50. 20	+0. 005	+0. 517	+0. 044	+0. 007	+0. 068	57. 83	+7. 51
52	30 H. Camelopardalis	24	10 20 52. 16	+0. 003	+0. 534	+0. 262	+0. 020	.....	57. 68	.....
	February 3, L.									
53	4 Camelopardalis	20	4 40 44. 46	−0. 022	+0. 507	+0. 060	−0. 040	−0. 125	51. 84	+7. 48
54	ε Ursæ Minoris S. P.	26	4 54 28. 27	−0. 001	+0. 506	+0. 448	+0. 005	.....	39. 19	.....
55	Boss 1222	20	5 4 12. 63	+0. 007	+0. 547	+0. 048	+0. 010	+0. 028	20. 26	+7. 54
56	λ Aurigæ	20	5 12 59. 34	−0. 002	+0. 606	+0. 043	−0. 003	+0. 121	7. 12	+7. 62

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* Feet of instrument set in plaster Jan. 26.

† Level adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
			h m s	s	s	s	s	s	s	s
1	Boss 1311	20	5 21 50. 64	−0. 006	+0. 610	+0. 040	−0. 007	+0. 184	58. 43	+7. 57
2	Boss 1348	20	5 29 26. 36	+0. 010	+0. 552	+0. 057	+0. 017	−0. 092	33. 91	+7. 57
3	*ο* Aurigæ	20	5 39 8. 79	+0. 019	+0. 519	+0. 051	+0. 029	−0. 013	16. 45	+7. 59
4	Boss 1452	20	5 47 10. 99	+0. 016	+0. 504	+0. 066	+0. 031	−0. 192	18. 44	+7. 55
5	Boss 1498	20	5 57 0. 41	+0. 016	+0. 550	+0. 045	+0. 022	+0. 078	8. 10	+7. 56
6	Boss 1552	20	6 7 52. 71	+0. 025	+0. 551	+0. 066	+0. 049	−0. 214	0. 21	+7. 60
7	Boss 1608	20	6 19 14. 08	+0. 018	+0. 514	+0. 063	+0. 034	−0. 164	21. 62	+7. 61
8	ψ^5 Aurigæ	20	6 40 27. 35	+0. 006	+0. 571	+0. 046	+0. 008	+0. 071	35. 04	+7. 57
9	15 Lyncis	20	6 49 45. 98	+0. 012	+0. 581	+0. 063	+0. 023	−0. 188	53. 49	+7. 61
10	Boss 1846	20	7 6 36. 68	+0. 019	+0. 547	+0. 053	+0. 031	−0. 042	44. 35	+7. 63
11	25 H. Camelopardalis	24	7 13 10. 99	+0. 015	+0. 531	+0. 256	+0. 097	.....	16. 47	....
12	Boss 1948	20	7 23 19. 88	+0. 004	+0. 536	+0. 051	+0. 006	−0. 014	27. 46	+7. 54
	February 3, M.									
13	24 Lyncis	20	7 35 40. 62	−0. 006	+0. 520	+0. 064	−0. 011	−0. 176	48. 09	+7. 59
14	27 Lyncis	20	8 1 55. 40	+0. 003	+0. 596	+0. 053	+0. 005	−0. 049	3. 03	+7. 62
15	31 Lyncis	20	8 16 52. 46	+0. 004	+0. 579	+0. 045	+0. 005	+0. 075	0. 10	+7. 52
16	Groombridge 1450	20	8 27 14. 81	+0. 010	+0. 567	+0. 042	+0. 013	+0. 132	22. 48	+7. 48
17	Boss 2306	20	8 35 0. 28	+0. 005	+0. 544	+0. 048	+0. 007	+0. 037	7. 87	+7. 50
18	76 Draconis S. P.	22	8 48 29. 02	+0. 012	+0. 519	+0. 450	−0. 058	.....	39. 71	....
19	Boss 2423	20	8 57 39. 06	+0. 009	+0. 502	+0. 057	+0. 015	−0. 087	46. 54	+7. 50
20	Boss 2465	20	9 8 6. 40	+0. 007	+0. 523	+0. 046	+0. 010	+0. 066	14. 04	+7. 52
21	40 Lyncis	20	9 15 44. 12	+0. 014	+0. 536	+0. 040	+0. 016	+0. 159	51. 83	+7. 49
22	1 H. Draconis	20	9 25 3. 32	+0. 003	+0. 528	+0. 229	+0. 017	.....	9. 19	....
23	Boss 2601	20	9 36 36. 16	−0. 006	+0. 577	+0. 043	−0. 008	+0. 114	43. 72	+7. 40
24	*υ* Ursæ Majoris	20	9 44 49. 85	+0. 011	+0. 598	+0. 065	+0. 021	−0. 216	57. 34	+7. 62
25	*λ* Ursæ Majoris	20	10 11 50. 18	+0. 017	+0. 555	+0. 045	+0. 023	+0. 073	57. 86	+7. 54
26	30 H. Camelopardalis	24	10 20 52. 64	+0. 004	+0. 528	+0. 271	+0. 027	.....	57. 75	....
	February 4, M.									
27	4 Camelopardalis	20	4 40 44. 36	+0. 009	+0. 554	+0. 060	+0. 016	−0. 136	51. 81	+7. 51
28	*ε* Ursæ Minoris S. P.	20	4 54 28. 24	+0. 017	+0. 547	+0. 448	−0. 082	.....	39. 31	....
29	Boss 1222	20	5 4 12. 56	+0. 006	+0. 564	+0. 048	+0. 009	+0. 029	20. 25	+7. 60
30	*λ* Aurigæ	20	5 12 59. 30	−0. 001	+0. 571	+0. 043	−0. 001	+0. 114	7. 09	+7. 63
31	Boss 1311	20	5 21 50. 61	−0. 011	+0. 557	+0. 040	−0. 013	+0. 168	58. 42	+7. 61
32	Boss 1348	20	5 29 26. 32	−0. 021	+0. 541	+0. 057	−0. 036	−0. 090	33. 90	+7. 65
33	*ο* Aurigæ	20	5 39 8. 85	−0. 019	+0. 524	+0. 051	−0. 029	−0. 014	16. 44	+7. 58
34	Boss 1452	20	5 47 11. 00	+0. 005	+0. 531	+0. 066	+0. 010	−0. 202	18. 42	+7. 56
35	Boss 1498	20	5 57 0. 36	+0. 002	+0. 567	+0. 045	+0. 003	+0. 080	8. 10	+7. 61
36	Boss 1552	20	6 7 52. 74	−0. 005	+0. 547	+0. 066	−0. 010	−0. 212	0. 20	+7. 62
37	Boss 1608	20	6 19 14. 14	+0. 002	+0. 487	+0. 063	+0. 004	−0. 156	21. 61	+7. 56
38	51 Aurigæ	20	6 33 36. 62	−0. 007	+0. 491	+0. 043	−0. 009	+0. 104	44. 34	+7. 58
39	ψ^5 Aurigæ	20	6 40 27. 32	−0. 001	+0. 547	+0. 046	−0. 001	+0. 068	35. 04	+7. 61
40	15 Lyncis	20	6 49 46. 05	+0. 003	+0. 547	+0. 063	+0. 006	−0. 177	53. 48	+7. 54
41	Boss 1846	20	7 6 36. 78	+0. 009	+0. 534	+0. 053	+0. 014	−0. 041	44. 34	+7. 53
42	25 H. Camelopardalis	20	7 13 10. 94	+0. 023	+0. 544	+0. 256	+0. 148	.....	16. 42	....
43	Boss 1948	20	7 23 19. 96	0. 000	+0. 515	+0. 051	0. 000	−0. 014	27. 46	+7. 46
44	24 Lyncis	20	7 35 40. 66	−0. 007	+0. 506	+0. 064	−0. 013	−0. 172	48. 09	+7. 55
	February 4, L.									
45	26 Lyncis	20	7 48 22. 78	+0. 007	+0. 525	+0. 049	+0. 010	+0. 014	30. 33	+7. 48
46	27 Lyncis	20	8 1 55. 41	+0. 004	+0. 541	+0. 053	+0. 006	−0. 044	3. 04	+7. 61
47	31 Lyncis	20	8 16 52. 47	+0. 003	+0. 575	+0. 045	+0. 004	+0. 074	0. 11	+7. 52
48	Groombridge 1450	20	8 27 14. 82	+0. 003	+0. 620	+0. 042	+0. 004	+0. 144	22. 49	+7. 48
49	Boss 2306	20	8 35 0. 26	+0. 003	+0. 627	+0. 048	+0. 004	+0. 043	7. 88	+7. 52
50	76 Draconis S. P.	24	8 48 28. 37	+0. 009	+0. 590	+0. 450	−0. 044	.....	39. 71	....
51	Boss 2423	20	8 57 39. 04	+0. 012	+0. 504	+0. 057	+0. 021	−0. 088	46. 55	+7. 52
52	Boss 2465	20	9 8 6. 42	+0. 008	+0. 479	+0. 046	+0. 011	+0. 061	14. 05	+7. 51
53	40 Lyncis	20	9 15 44. 14	+0. 005	+0. 505	+0. 040	+0. 006	+0. 149	51. 84	+7. 50
54	Boss 2601	20	9 36 36. 05	+0. 007	+0. 529	+0. 043	+0. 009	+0. 105	43. 73	+7. 52
55	*υ* Ursæ Majoris	20	9 44 49. 94	+0. 009	+0. 552	+0. 065	+0. 017	−0. 200	57. 36	+7. 54
56	Boss 2673	20	9 53 53. 58	+0. 011	+0. 537	+0. 061	+0. 020	−0. 144	1. 02	+7. 50
57	*λ* Ursæ Majoris	20	10 11 50. 26	+0. 015	+0. 540	+0. 045	+0. 021	+0. 071	57. 88	+7. 48
58	30 H. Camelopardalis	24	10 20 52. 46	+0. 013	+0. 547	+0. 271	+0. 088	.....	57. 83	....
59	Boss 2828	20	10 33 42. 02	+0. 025	+0. 528	+0. 056	+0. 042	−0. 083	49. 60	+7. 56

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	February 5, L.		h m s	s	s	s	s	s	s	s
1	4 Camelopardalis	20	4 40 44.26	+0.019	+0.579	+0.062	+0.034	−0.142	51.79	+7.58
2	ε Ursæ Minoris s. P.	24	4 54 28.32	+0.010	+0.590	+0.455	−0.048	.....	39.43	.....
3	Boss 1222	20	5 4 12.58	0.000	+0.618	+0.050	0.000	+0.032	20.24	+7.58
4	λ Aurigæ	20	5 12 59.34	−0.001	+0.598	+0.044	−0.001	+0.120	7.08	+7.58
5	Boss 1311	20	5 21 50.62	+0.003	+0.590	+0.041	+0.004	+0.178	58.41	+7.57
6	Boss 1348	20	5 29 26.20	+0.007	+0.569	+0.058	+0.012	−0.094	33.89	+7.71
7	o Aurigæ	20	5 39 8.63	−0.003	+0.530	+0.053	−0.005	−0.014	16.42	+7.76
8	Boss 1452	20	5 47 10.74	−0.008	+0.521	+0.068	−0.016	−0.199	18.41	+7.82
9	Boss 1498	20	5 57 0.32	+0.001	+0.534	+0.046	+0.001	+0.075	8.10	+7.66
10	Boss 1552	20	6 7 52.56	−0.001	+0.520	+0.068	−0.002	−0.202	0.19	+7.77
11	Boss 1608	20	6 19 13.99	−0.001	+0.511	+0.065	−0.002	−0.164	21.60	+7.72
12	51 Aurigæ	20	6 32 36.55	+0.006	+0.539	+0.044	+0.008	+0.114	44.32	+7.60
13	ψ^5 Aurigæ	20	6 40 27.27	+0.003	+0.571	+0.047	+0.004	+0.071	35.03	+7.64
14	15 Lyncis	20	6 49 45.86	−0.001	+0.562	+0.065	−0.002	−0.182	53.47	+7.73
15	Boss 1846	20	7 6 36.65	+0.008	+0.532	+0.055	+0.013	−0.041	44.35	+7.67
16	25 H. Camelopardalis	28	7 13 10.53	+0.013	+0.532	+0.263	+0.084	.....	16.37	.....
17	Boss 1948	20	7 23 19.81	+0.009	+0.519	+0.053	+0.014	−0.014	27.47	+7.61
18	24 Lyncis	20	7 35 40.51	+0.013	+0.510	+0.066	+0.025	−0.173	48.09	+7.66
	February 5, M.									
19	26 Lyncis	20	7 48 22.53	+0.011	+0.602	+0.051	+0.016	+0.016	30.33	+7.72
20	27 Lyncis	20	8 1 55.34	+0.005	+0.598	+0.055	+0.008	−0.049	3.04	+7.69
21	31 Lyncis	20	8 16 52.34	+0.015	+0.593	+0.047	+0.021	+0.076	0.11	+7.63
22	Groombridge 1450	20	8 27 14.62	+0.007	+0.648	+0.043	+0.009	+0.151	22.50	+7.68
23	Boss 2306	20	8 35 0.17	0.000	+0.682	+0.049	0.000	+0.046	7.90	+7.63
24	76 Draconis s. P.	22	8 48 28.18	−0.005	+0.633	+0.458	+0.024	.....	39.72	.....
25	Boss 2423	20	8 57 38.98	−0.013	+0.538	+0.059	−0.022	−0.094	46.57	+7.65
26	Boss 2465	20	9 8 6.26	−0.009	+0.563	+0.047	−0.012	+0.072	14.07	+7.70
27	40 Lyncis	20	9 15 43.98	−0.015	+0.586	+0.041	−0.018	+0.173	51.86	+7.68
28	1 H. Draconis	22	9 25 3.48	−0.012	+0.575	+0.236	−0.070	.....	9.27	.....
29	υ Ursæ Majoris	20	9 44 49.91	−0.003	+0.539	+0.067	−0.006	−0.195	57.38	+7.60
30	Boss 2673	20	9 53 53.46	−0.005	+0.530	+0.063	−0.009	−0.143	1.04	+7.67
31	λ Ursæ Majoris	20	10 11 50.08	−0.011	+0.585	+0.047	−0.015	+0.077	57.90	+7.71
32	30 H. Camelopardalis	22	10 20 52.74	−0.013	+0.591	+0.279	−0.088	.....	57.92	.....
33	Boss 2828	20	10 33 41.96	−0.016	+0.550	+0.058	−0.027	−0.086	49.63	+7.73
	February 9, M.									
34	Boss 1948	20	7 23 19.78	−0.009	+0.518	+0.054	−0.014	−0.014	27.49	+7.68
35	24 Lyncis	20	7 35 40.36	−0.022	+0.506	+0.068	−0.042	−0.172	48.07	+7.86
36	26 Lyncis	20	7 48 22.49	−0.017	+0.532	+0.052	−0.025	+0.014	30.33	+7.80
	February 9, L.									
37	40 Lyncis	20	9 15 43.89	−0.022	+0.686	+0.043	−0.026	+0.203	51.90	+7.79
	February 10, L.									
38	Boss 1222	20	5 4 12.34	−0.046	−0.265*	+0.053	−0.067	−0.014	20.18	+7.87
39	λ Aurigæ	20	5 12 59.21	−0.045	−0.276	+0.047	−0.058	−0.055	7.00	+7.86
40	Boss 1348	20	5 29 25.89	−0.050	−0.292	+0.062	−0.085	+0.048	33.82	+7.91
41	o Aurigæ	20	5 39 8.50	−0.054	−0.337	+0.056	−0.084	+0.009	16.34	+7.86
42	Boss 1452	20	5 47 10.30	−0.050	−0.329	+0.072	−0.098	+0.125	18.34	+7.94
43	δ Ursæ Minoris s. P.	24	5 59 35.42	−0.046	−0.330	+1.082	+0.554	.....	41.16	.....
44	Boss 1552	20	6 7 52.06	−0.042	−0.335	+0.072	−0.082	+0.130	0.14	+7.96
45	Boss 1608	20	6 19 13.58	−0.037	−0.343	+0.069	−0.070	+0.110	21.56	+7.87
46	51 Aurigæ	20	6 32 36.58	−0.037	−0.309	+0.047	−0.047	−0.065	44.28	+7.76
47	ψ^5 Aurigæ	20	6 40 27.21	−0.034	−0.250	+0.050	−0.047	−0.031	34.99	+7.81
48	15 Lyncis	14	6 49 45.48	−0.034	−0.262	+0.069	−0.064	+0.085	53.41	+7.84
49	Boss 1846	20	7 6 36.43	−0.029	−0.324	+0.058	−0.047	+0.025	44.35	+7.88
50	25 H. Camelopardalis	26	7 13 6.74	−0.027	−0.362	+0.279	−0.174	.....	16.09	.....
51	Boss 1948	20	7 23 19.69	−0.038	−0.349	+0.056	−0.059	+0.009	27.48	+7.78
52	26 Lyncis	20	7 48 22.62	−0.039	−0.344	+0.054	−0.058	−0.009	30.33	+7.72
53	27 Lyncis	20	8 1 55.10	−0.040	−0.343	+0.058	−0.065	+0.028	3.04	+7.92

* Azimuth adjusted.

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	February 10, M.		h m s	s	s	s	s	s	s	s
1	31 Lyncis	20	8 16 52.32	−0.039	−0.277	+0.050	−0.054	−0.036	0.13	+7.85
2	Groombridge 1450	20	8 27 14.74	−0.035	−0.258	+0.046	−0.044	−0.060	22.52	+7.84
3	Boss 2306	20	8 35 0.10	−0.034	−0.327	+0.052	−0.049	−0.022	7.96	+7.88
4	76 Draconis s. P.	22	8 48 33.38	−0.050	−0.376	+0.472	+0.242	.....	39.67	.....
5	Boss 2423	20	8 57 38.78	−0.056	−0.397	+0.062	−0.096	+0.069	46.66	+7.84
6	1 H. Draconis	22	9 25 0.23	−0.047	−0.356	+0.250	−0.274	.....	9.51	.....
7	υ Ursæ Majoris	20	9 44 49.45	−0.047	−0.366	+0.071	−0.091	+0.132	57.47	+7.91
8	λ Ursæ Majoris	20	10 11 50.20	−0.037	−0.388	+0.050	−0.051	−0.051	57.98	+7.83
9	30 H. Camelopardalis	22	10 20 48.59	−0.039	−0.431	+0.295	−0.265	.....	58.40	.....
10	Boss 2828	20	10 33 41.81	−0.052	−0.433	+0.061	−0.088	+0.068	49.79	+7.94
11	Boss 2898	20	10 48 18.26	−0.051	−0.412	+0.063	−0.088	+0.077	26.14	+7.83
	February 12, M.									
12	λ Aurigæ	20	5 12 59.03	−0.038	−0.384	+0.048	−0.049	−0.077	6.97	+8.02
13	Boss 1311	20	5 21 50.38	−0.032	−0.405	+0.045	−0.038	−0.122	58.34	+8.08
14	Boss 1348	20	5 29 25.60	−0.027	−0.453	+0.064	−0.046	+0.075	33.76	+8.08
15	ο Aurigæ	16	5 39 8.28	−0.041	−0.494	+0.057	−0.064	+0.013	16.31	+8.02
16	Boss 1452	18	5 47 10.02	−0.040	−0.451	+0.074	−0.078	+0.172	18.28	+8.09
17	δ Ursæ Minoris s. P.	22	5 59 36.49	−0.034	−0.396	+1.098	+0.409	.....	41.76	.....
18	Boss 1608	20	6 19 13.32	−0.035	−0.403	+0.071	−0.066	+0.129	21.51	+8.06
19	51 Aurigæ	20	6 32 36.40	−0.034	−0.388	+0.048	−0.043	−0.082	44.26	+7.94
20	ψ^5 Aurigæ	8	6 40 27.03	−0.035	−0.393	+0.051	−0.048	−0.049	34.97	+7.99
21	15 Lyncis	20	6 49 45.34	−0.042	−0.429	+0.071	−0.079	+0.139	53.38	+7.91
22	Boss 1846	20	7 6 36.20	−0.046	−0.434	+0.060	−0.074	+0.033	44.32	+8.10
23	25 H. Camelopardalis	20	7 13 6.45	−0.046	−0.409	+0.287	−0.296	.....	15.96	.....
24	27 Lyncis	20	8 1 55.16	−0.044	−0.503	+0.060	−0.071	+0.041	3.04	+7.85
	February 12, L.									
25	31 Lyncis	20	8 16 52.21	−0.046	−0.491	+0.051	−0.063	−0.063	0.13	+8.00
26	Groombridge 1450	20	8 27 14.70	−0.041	−0.445	+0.047	−0.051	−0.104	22.53	+7.94
27	Boss 2306	20	8 34 59.96	−0.039	−0.434	+0.053	−0.056	−0.030	7.96	+8.03
28	76 Draconis s. P.	32	8 48 33.69	−0.041	−0.468	+0.480	+0.199	.....	39.71	.....
29	Boss 2423	20	8 57 38.54	−0.041	−0.494	+0.064	−0.070	+0.086	46.66	+8.04
30	Boss 2465	20	9 8 6.32	−0.036	−0.460	+0.051	−0.049	−0.058	14.16	+7.90
31	40 Lyncis	20	9 15 44.13	−0.042	−0.443	+0.045	−0.050	−0.131	51.93	+7.94
32	1 H. Draconis	30	9 24 59.88	−0.041	−0.453	+0.257	−0.239	.....	9.56	.....
	February 17, L.									
33	ε Ursæ Minoris s. P.	24	4 54 34.98	+0.003	−0.411	+0.492	−0.014	.....	41.20	.....
34	Boss 1348	20	5 29 25.16	−0.003	−0.458	+0.067	−0.005	+0.076	33.63	+8.33
35	ο Aurigæ	20	5 39 7.91	−0.011	−0.461	+0.060	−0.017	+0.012	16.20	+8.23
36	Boss 1498	20	5 56 59.68	−0.021	−0.491	+0.053	−0.029	−0.069	7.78	+8.14
37	Boss 1552	20	6 7 51.40	−0.019	−0.503	+0.078	−0.037	+0.195	59.93	+8.29
38	Boss 1608	20	6 19 12.81	−0.008	−0.533	+0.075	−0.015	+0.171	21.38	+8.34
39	51 Aurigæ	20	6 32 36.03	−0.011	−0.484	+0.051	−0.014	−0.102	44.21	+8.24
40	ψ^5 Aurigæ	20	6 40 26.62	−0.013	−0.389	+0.054	−0.018	−0.049	34.91	+8.30
41	15 Lyncis	20	6 49 44.77	−0.012	−0.404	+0.075	−0.023	+0.130	53.29	+8.34
42	Boss 1846	20	7 6 35.87	−0.009	−0.493	+0.063	−0.014	+0.038	44.24	+8.28
43	25 H. Camelopardalis	24	7 13 4.78	−0.003	−0.520	+0.302	−0.019	.....	15.56	.....
44	Boss 1948	20	7 23 19.09	+0.003	−0.511	+0.060	+0.005	+0.014	27.40	+8.22
45	24 Lyncis	20	7 35 39.46	−0.006	−0.518	+0.076	−0.011	+0.176	48.00	+8.30
46	26 Lyncis	20	7 48 22.06	−0.012	−0.493	+0.058	−0.018	−0.013	30.30	+8.21
47	27 Lyncis	20	8 1 54.73	−0.012	−0.529	+0.063	−0.019	+0.043	3.01	+8.19
48	31 Lyncis	20	8 16 51.91	−0.019	−0.581	+0.054	−0.026	−0.075	0.13	+8.27
49	Groombridge 1450	20	8 27 14.51	−0.015	−0.525	+0.050	−0.019	−0.122	22.52	+8.10
	February 17, M.									
50	Boss 2306	20	8 34 59.67	−0.017	−0.495	+0.056	−0.025	−0.034	7.94	+8.27
51	76 Draconis s. P.	20	8 48 34.22	−0.025	−0.510	+0.494	+0.121	.....	39.94	.....
52	Boss 2423	20	8 57 38.31	−0.023	−0.529	+0.067	−0.040	+0.092	46.65	+8.22
53	Boss 2465	20	9 8 6.00	−0.017	−0.456	+0.054	−0.023	−0.058	14.17	+8.20
54	40 Lyncis	20	9 15 43.84	−0.011	−0.448	+0.047	−0.013	−0.133	51.95	+8.21
55	1 H. Draconis	22	9 24 59.25	−0.016	−0.509	+0.270	−0.093	.....	9.53	.....
56	Boss 2601	20	9 36 35.84	−0.023	−0.525	+0.051	−0.030	−0.104	43.89	+8.13

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	February 24, L.		h m s	s	s	s	s	s	s	s
1	Boss 1552	20	6 7 50.90	−0.003	−0.079*	+0.082	−0.006	+0.031	59.78	+8.77
2	Boss 1608	20	6 19 12.33	−0.012	−0.109	+0.078	−0.023	+0.035	21.24	+8.82
3	51 Aurigæ	20	6 32 35.39	−0.002	−0.081	+0.053	−0.003	−0.017	44.11	+8.69
4	ψ^5 Aurigæ	20	6 40 26.02	+0.004	−0.049	+0.057	+0.005	−0.006	34.81	+8.73
5	15 Lyncis	20	6 49 44.31	−0.007	−0.093	+0.079	−0.013	+0.030	53.14	+8.73
6	Boss 1846	20	7 6 35.24	−0.004	−0.142	+0.066	−0.006	+0.011	44.17	+8.86
7	25 H. Camelopardalis	28	7 13 5.15	−0.003	−0.111	+0.318	−0.019	.....	14.90	....
8	Boss 1948	20	7 23 18.53	−0.007	−0.111	+0.064	−0.011	+0.003	27.34	+8.75
9	24 Lyncis	20	7 35 38.99	−0.006	−0.127	+0.079	−0.011	+0.043	47.89	+8.79
10	26 Lyncis	20	7 48 21.42	−0.006	−0.113	+0.061	−0.009	−0.003	30.23	+8.76
11	27 Lyncis	20	8 1 54.18	−0.013	−0.101	+0.066	−0.021	+0.008	2.96	+8.73
12	31 Lyncis	20	8 16 51.32	−0.011	−0.087	+0.056	−0.015	−0.011	0.09	+8.74
13	Groombridge 1450	20	8 27 13.83	−0.003	−0.069	+0.052	−0.004	−0.016	22.50	+8.64
14	Boss 2306	20	8 34 59.13	−0.001	−0.072	+0.059	−0.001	−0.005	7.95	+8.77
15	76 Draconis s. p.	30	8 48 31.57	−0.003	−0.095	+0.509	+0.015	.....	40.19	....
16	Boss 2423	20	8 57 37.78	−0.004	−0.175	+0.071	−0.007	+0.030	46.68	+8.81
	February 24, M.									
17	Boss 2673	20	9 53 52.60	−0.018	−0.110	+0.076	−0.033	+0.030	1.33	+8.66
18	λ Ursæ Majoris	20	10 11 49.52	−0.017	−0.143	+0.056	−0.023	−0.019	58.16	+8.63
19	30 H. Camelopardalis	22	10 20 49.64	−0.026	−0.159	+0.336	−0.176	.....	59.02	....
20	Boss 2926	20	10 55 55.86	−0.024	−0.225	+0.053	−0.031	−0.047	4.55	+8.71
21	ψ Ursæ Majoris	20	11 4 44.57	−0.018	−0.172	+0.058	−0.025	−0.016	53.28	+8.69
22	Boss 2980	20	11 11 46.33	−0.020	−0.141	+0.064	−0.031	+0.004	54.92	+8.55
23	Boss 3023	20	11 24 20.82	−0.019	−0.150	+0.053	−0.024	−0.031	29.42	+8.60
24	Boss 3063	20	11 33 40.32	−0.024	−0.164	+0.057	−0.033	−0.019	48.99	+8.67
25	χ Ursæ Majoris	20	11 41 25.45	−0.034	−0.201	+0.061	−0.051	−0.003	34.13	+8.67
	February 25, M.									
26	15 Lyncis	20	6 49 44.29	−0.023	−0.191	+0.079	−0.043	+0.062	53.11	+8.72
27	Boss 1846	20	7 6 35.32	−0.021	−0.205	+0.066	−0.034	+0.016	44.14	+8.77
28	Boss 1948	20	7 23 18.60	−0.037	−0.204	+0.064	−0.057	+0.006	27.31	+8.70
29	Groombridge 1450	20	8 27 13.82	−0.019	−0.190	+0.052	−0.024	−0.044	22.50	+8.70
	February 25, L.									
30	Boss 2673	20	9 53 52.44	−0.004	−0.139	+0.076	−0.007	+0.037	1.33	+8.78
31	λ Ursæ Majoris	20	10 11 49.52	−0.001	−0.146	+0.056	−0.001	−0.015	58.16	+8.60
	February 26, L.									
32	26 Lyncis	20	7 48 21.41	−0.009	−0.110	+0.061	−0.013	−0.003	30.20	+8.75
33	27 Lyncis	20	8 1 54.16	−0.003	−0.161	+0.066	−0.005	+0.013	2.93	+8.70
34	31 Lyncis	20	8 16 51.34	+0.001	−0.198	+0.056	+0.001	−0.026	0.08	+8.71
35	Groombridge 1450	20	8 27 13.81	−0.007	−0.187	+0.052	−0.009	−0.044	22.49	+8.68
36	Boss 2306	20	8 34 59.21	−0.017	−0.180	+0.059	−0.025	−0.012	7.92	+8.69
37	76 Draconis s. p.	26	8 48 32.11	−0.005	−0.186	+0.509	+0.024	.....	40.33	....
38	Boss 2423	20	8 57 37.82	−0.003	−0.211	+0.071	−0.005	+0.037	46.66	+8.74
39	Boss 2465	20	9 8 5.47	−0.005	−0.199	+0.057	−0.007	−0.025	14.19	+8.70
40	40 Lyncis	20	9 15 43.30	−0.007	−0.181	+0.050	−0.008	−0.054	51.97	+8.68
41	1 H. Draconis	28	9 24 59.46	−0.012	−0.190	+0.284	−0.070	.....	9.51	....
42	Boss 2601	20	9 36 35.31	−0.007	−0.186	+0.054	−0.009	−0.037	43.94	+8.62
43	υ Ursæ Majoris	20	9 44 48.64	−0.005	−0.176	+0.081	−0.010	+0.064	57.61	+8.83
44	Boss 2673	20	9 53 52.47	−0.001	−0.198	+0.076	−0.002	+0.053	1.32	+8.72
45	λ Ursæ Majoris	20	10 11 49.44	−0.001	−0.190	+0.056	−0.001	−0.025	58.17	+8.70
46	30 H. Camelopardalis	24	10 20 48.87	+0.009	−0.164	+0.336	+0.061	.....	59.03	....
47	Boss 2828	20	10 33 41.10	+0.012	−0.193	+0.070	+0.020	+0.030	50.03	+8.81
48	Boss 2898	20	10 48 17.60	+0.002	−0.205	+0.072	+0.003	+0.039	26.43	+8.72
49	ψ Ursæ Majoris	20	11 4 44.53	0.000	−0.196	+0.058	0.000	−0.019	53.30	+8.73
50	Boss 3023	20	11 24 20.74	−0.004	−0.180	+0.053	−0.005	−0.037	29.44	+8.69
51	Boss 3063	20	11 33 40.27	−0.009	−0.163	+0.057	−0.013	−0.019	49.01	+8.72
52	χ Ursæ Majoris	20	11 41 25.44	−0.010	−0.163	+0.061	−0.015	−0.002	34.17	+8.69
53	γ Ursæ Majoris	20	11 49 13.66	−0.007	−0.174	+0.070	−0.012	+0.028	22.49	+8.74
54	Boss 3143	20	11 57 39.23	−0.005	−0.195	+0.057	−0.007	−0.025	48.04	+8.79

* Azimuth adjusted Feb. 19.

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	February 27, L.		h m s	s	s	s	s	s	s	s
1	δ Ursæ Minoris s. P.	20	5 59 37. 71	−0. 022	−0. 182	+1. 165	+0. 265	.....	46. 37	.....
2	Boss 1608	20	6 19 12. 20	−0. 024	−0. 189	+0. 078	−0. 045	+0. 060	21. 13	+8. 84
3	ψ⁵ Aurigæ	20	6 40 25. 90	−0. 027	−0. 148	+0. 057	−0. 037	−0. 018	34. 76	+8. 86
4	15 Lyncis	20	6 49 44. 11	−0. 028	−0. 154	+0. 079	−0. 053	+0. 050	53. 07	+8. 88
5	Boss 1846	20	7 6 35. 24	−0. 023	−0. 173	+0. 066	−0. 037	+0. 013	44. 08	+8. 80
6	25 H. Camelopardalis	20	7 13 4. 78	−0. 021	−0. 172	+0. 318	−0. 135	.....	14. 57	.....
7	Boss 1948	20	7 23 18. 51	−0. 012	−0. 194	+0. 064	−0. 019	+0. 005	27. 26	+8. 70
8	24 Lyncis	20	7 35 38. 83	−0. 008	−0. 230	+0. 079	−0. 015	+0. 078	47. 84	+8. 87
9	26 Lyncis	20	7 48 21. 42	−0. 018	−0. 222	+0. 061	−0. 027	−0. 006	30. 19	+8. 74
10	27 Lyncis	20	8 1 54. 07	−0. 014	−0. 226	+0. 066	−0. 023	+0. 019	2. 92	+8. 79
11	31 Lyncis	20	8 16 51. 30	−0. 013	−0. 228	+0. 056	−0. 018	−0. 029	0. 07	+8. 76
12	Groombridge 1450	20	8 27 13. 77	−0. 015	−0. 185	+0. 052	−0. 019	−0. 043	22. 49	+8. 73
13	Boss 2306	20	8 34 59. 12	−0. 019	−0. 185	+0. 059	−0. 027	−0. 013	7. 91	+8. 77
14	76 Draconis s. P.	20	8 48 32. 44	−0. 017	−0. 197	+0. 509	+0. 082	.....	40. 43	.....
15	Boss 2423	20	8 57 37. 80	−0. 017	−0. 176	+0. 071	−0. 029	+0. 031	46. 64	+8. 77
	February 27, M.									
16	Boss 2465	20	9 8 5. 36	−0. 024	−0. 181	+0. 057	−0. 033	−0. 023	14. 18	+8. 82
17	40 Lyncis	20	9 15 43. 26	−0. 026	−0. 172	+0. 050	−0. 031	−0. 051	51. 97	+8. 74
18	1 H. Draconis	20	9 24 59. 94	−0. 027	−0. 198	+0. 284	−0. 157	.....	9. 46	.....
19	Boss 2601	20	9 36 35. 25	−0. 007	−0. 164	+0. 054	−0. 009	−0. 032	43. 94	+8. 68
20	υ Ursæ Majoris	20	9 44 48. 65	−0. 007	−0. 163	+0. 081	−0. 014	+0. 059	57. 61	+8. 83
21	Boss 2673	20	9 53 52. 43	−0. 023	−0. 200	+0. 076	−0. 042	+0. 054	1. 32	+8. 80
22	λ Ursæ Majoris	20	10 11 49. 28	−0. 021	−0. 165	+0. 056	−0. 029	−0. 022	58. 18	+8. 90
23	30 H. Camelopardalis	20	10 20 49. 77	−0. 027	−0. 157	+0. 336	−0. 183	.....	59. 03	.....
24	Boss 2828	20	10 33 41. 02	−0. 035	−0. 189	+0. 070	−0. 059	+0. 030	50. 03	+8. 97
25	Boss 2898	20	10 48 17. 53	−0. 037	−0. 243	+0. 072	−0. 064	+0. 046	26. 43	+8. 85
26	Boss 2926	14	10 55 55. 68	−0. 031	−0. 234	+0. 053	−0. 040	−0. 048	4. 56	+8. 92
27	Boss 3023	20	11 24 20. 66	−0. 025	−0. 190	+0. 053	−0. 032	−0. 039	29. 45	+8. 81
28	Boss 3063	20	11 33 40. 18	−0. 027	−0. 196	+0. 057	−0. 037	−0. 023	49. 02	+8. 84
29	χ Ursæ Majoris	20	11 41 25. 33	−0. 025	−0. 184	+0. 061	−0. 037	−0. 003	34. 19	+8. 84
30	γ Ursæ Majoris	20	11 49 13. 62	−0. 028	−0. 198	+0. 070	−0. 048	+0. 031	22. 51	+8. 84
31	Boss 3143	20	11 57 39. 16	−0. 029	−0. 167	+0. 057	−0. 040	−0. 021	48. 05	+8. 89
	February 28, M.									
32	Boss 1608	20	6 18 11. 98	−0. 011	−0. 180	+0. 078	−0. 021	+0. 058	21. 09	+8. 99
33	ψ⁵ Aurigæ	20	6 40 25. 74	−0. 017	−0. 158	+0. 057	−0. 023	−0. 020	34. 74	+8. 99
34	15 Lyncis	20	6 49 43. 97	−0. 017	−0. 189	+0. 079	−0. 032	+0. 061	53. 04	+8. 96
35	Boss 1846	20	7 5 35. 04	−0. 027	−0. 214	+0. 066	−0. 043	+0. 016	44. 06	+8. 98
36	25 H. Camelopardalis	20	7 13 4. 78	−0. 024	−0. 190	+0. 318	−0. 155	.....	14. 46	.....
37	24 Lyncis	20	7 35 38. 82	−0. 034	−0. 230	+0. 079	−0. 065	+0. 078	47. 82	+8. 91
38	26 Lyncis	20	7 48 21. 20	−0. 030	−0. 214	+0. 061	−0. 045	−0. 006	30. 18	+8. 97
39	27 Lyncis	20	8 1 54. 06	−0. 025	−0. 236	+0. 066	−0. 040	+0. 019	2. 91	+8. 81
40	31 Lyncis	20	8 15 51. 15	−0. 026	−0. 262	+0. 056	−0. 036	−0. 034	0. 06	+8. 92
41	Groombridge 1450	20	8 27 13. 66	−0. 024	−0. 210	+0. 052	−0. 030	−0. 049	22. 48	+8. 85
42	Boss 2306	20	8 34 58. 98	−0. 017	−0. 165	+0. 059	−0. 025	−0. 011	7. 89	+8. 89
43	Boss 2423	20	8 57 37. 72	−0. 012	−0. 157	+0. 071	−0. 021	+0. 027	46. 63	+8. 83
44	Boss 2465	20	9 8 5. 38	−0. 024	−0. 230	+0. 057	−0. 033	−0. 029	14. 17	+8. 79
	February 28, L.									
45	40 Lyncis	20	9 15 43. 16	−0. 022	−0. 214	+0. 050	−0. 026	−0. 063	51. 97	+8. 85
46	1 H. Draconis	22	9 24 59. 48	−0. 006	−0. 236	+0. 284	−0. 035	.....	9. 41	.....
47	Boss 2601	20	9 36 35. 24	−0. 009	−0. 223	+0. 054	−0. 012	−0. 044	43. 93	+8. 69
48	υ Ursæ Majoris	20	9 44 48. 50	−0. 015	−0. 223	+0. 081	−0. 029	+0. 081	57. 61	+8. 98
49	Boss 2673	20	9 53 52. 30	−0. 015	−0. 230	+0. 076	−0. 027	+0. 062	1. 31	+8. 90
50	λ Ursæ Majoris	20	10 11 49. 32	−0. 021	−0. 185	+0. 056	−0. 029	−0. 024	58. 19	+8. 87
51	30 H. Camelopardalis	24	10 20 48. 92	−0. 027	−0. 188	+0. 336	−0. 183	.....	59. 01	.....
52	Boss 2828	20	10 33 41. 00	−0. 020	−0. 207	+0. 070	−0. 034	+0. 032	50. 03	+8. 96
53	Boss 2898	20	10 48 17. 51	−0. 007	−0. 202	+0. 072	−0. 012	+0. 038	26. 43	+8. 82
54	Boss 2926	20	10 55 55. 76	−0. 011	−0. 165	+0. 053	−0. 014	−0. 034	4. 57	+8. 81
55	Boss 2980	20	11 11 46. 06	−0. 011	−0. 154	+0. 064	−0. 017	+0. 005	54. 95	+8. 84
56	Boss 3023	20	11 24 20. 62	+0. 003	−0. 115	+0. 053	+0. 004	−0. 023	29. 46	+8. 81
57	Boss 3063	20	11 33 40. 19	−0. 001	−0. 105	+0. 057	−0. 001	−0. 012	49. 03	+8. 80
58	χ Ursæ Majoris	20	11 41 25. 30	+0. 007	−0. 160	+0. 062	+0. 011	−0. 002	34. 21	+8. 84
59	γ Ursæ Majoris	20	11 49 13. 54	+0. 001	−0. 223	+0. 070	+0. 002	+0. 035	22. 53	+8. 88

TABLE IX.—*Observations for Clock Corrections*—Continued.

PARIS II, 1914—Continued.

No.	Date, Observer, and Star.	No. of Contacts.	Mean of Contact Times.	Instrumental.		Corrections for—			App. R. A. (Boss).	Observed Clock Corr.
				Level.	Azimuth.	Contact.	Level.	Azimuth.		
	March 2, L.		h m s	s	s	s	s	s	s	s
1	δ Ursæ Minoris s. p.	20	5 59 40.39	−0.013	−0.267	+1.149	+0.156	.....	47.44	.....
2	51 Aurigæ	20	6 32 35.10	−0.013	−0.258	+0.052	−0.017	−0.054	44.01	+8.93
3	ψ^5 Aurigæ	20	6 40 25.71	−0.009	−0.247	+0.055	−0.012	−0.031	34.71	+8.99
4	15 Lyncis	20	6 49 43.76	−0.005	−0.263	+0.077	−0.009	+0.085	52.99	+9.08
5	Boss 1846	20	7 6 34.87	−0.005	−0.303	+0.064	−0.008	+0.023	44.01	+9.06
6	25 H. Camelopardalis	20	7 13 3.55	−0.007	−0.292	+0.310	−0.045	.....	14.23	.....
7	Boss 1948	20	7 23 18.17	−0.007	−0.283	+0.062	−0.011	+0.008	27.20	+8.97
8	24 Lyncis	20	7 35 38.57	−0.012	−0.331	+0.077	−0.023	+0.112	47.77	+9.03
9	26 Lyncis	20	7 48 21.14	−0.022	−0.335	+0.060	−0.033	−0.009	30.15	+8.99
10	27 Lyncis	20	8 1 53.72	−0.019	−0.323	+0.065	−0.031	+0.026	2.88	+9.10
11	31 Lyncis	20	8 16 50.92	−0.009	−0.312	+0.055	−0.012	−0.040	0.04	+9.12
12	Groombridge 1450	20	8 27 13.48	−0.007	−0.272	+0.051	−0.009	−0.063	22.46	+9.00
13	Boss 2306	20	8 34 58.82	+0.001	−0.256	+0.058	+0.001	−0.017	7.87	+9.01
14	76 Draconis s. p.	20	8 48 33.20	0.000	−0.304	+0.502	0.000	.....	40.71	.....
15	Boss 2423	20	8 57 37.40	−0.011	−0.349	+0.069	−0.019	+0.061	46.60	+9.09
16	Boss 2465	20	9 8 5.18	−0.017	−0.325	+0.055	−0.023	−0.041	14.15	+8.98
17	40 Lyncis	20	9 15 43.04	−0.007	−0.328	+0.049	−0.008	−0.097	51.97	+8.99
	March 2, M.									
18	1 H. Draconis	20	9 24 59.01	−0.003	−0.257	+0.277	−0.017	.....	9.31	.....
19	Boss 2601	20	9 36 34.95	−0.006	−0.220	+0.052	−0.008	−0.044	43.92	+8.97
20	υ Ursæ Majoris	20	9 44 48.36	−0.005	−0.252	+0.079	−0.010	+0.091	57.61	+9.09
21	Boss 2673	20	9 53 52.10	−0.003	−0.285	+0.074	−0.005	+0.077	1.30	+9.05
22	λ Ursæ Majoris	20	10 11 49.16	−0.008	−0.241	+0.055	−0.011	−0.032	58.19	+9.02
23	30 H. Camelopardalis	20	10 20 48.58	−0.012	−0.232	+0.328	−0.081	.....	58.98	.....
24	Boss 2828	20	10 33 40.85	−0.006	−0.287	+0.068	−0.010	+0.045	50.03	+9.08
25	Boss 2898	20	10 48 17.36	+0.002	−0.299	+0.070	+0.003	+0.056	26.44	+8.95
26	Boss 2926	20	10 55 55.53	−0.002	−0.266	+0.052	−0.003	−0.055	4.58	+9.06
27	ψ Ursæ Majoris	20	11 4 44.17	−0.003	−0.247	+0.057	−0.004	−0.023	53.35	+9.15
28	Boss 3023	20	11 24 20.44	−0.009	−0.191	+0.052	−0.012	−0.039	29.47	+9.03
29	Boss 3063	20	11 33 39.99	−0.003	−0.192	+0.056	−0.004	−0.022	49.05	+9.03
30	χ Ursæ Majoris	20	11 41 25.04	+0.014	−0.233	+0.060	+0.021	−0.003	34.24	+9.12
31	γ Ursæ Majoris	20	11 46 13.51	+0.007	−0.256	+0.068	+0.012	+0.041	22.57	+8.94
32	Boss 3143	20	11 57 39.03	−0.005	−0.276	+0.055	−0.007	−0.035	48.09	+9.05
33	δ Ursæ Majoris	20	12 11 5.27	−0.008	−0.267	+0.074	−0.015	+0.075	14.51	+9.11

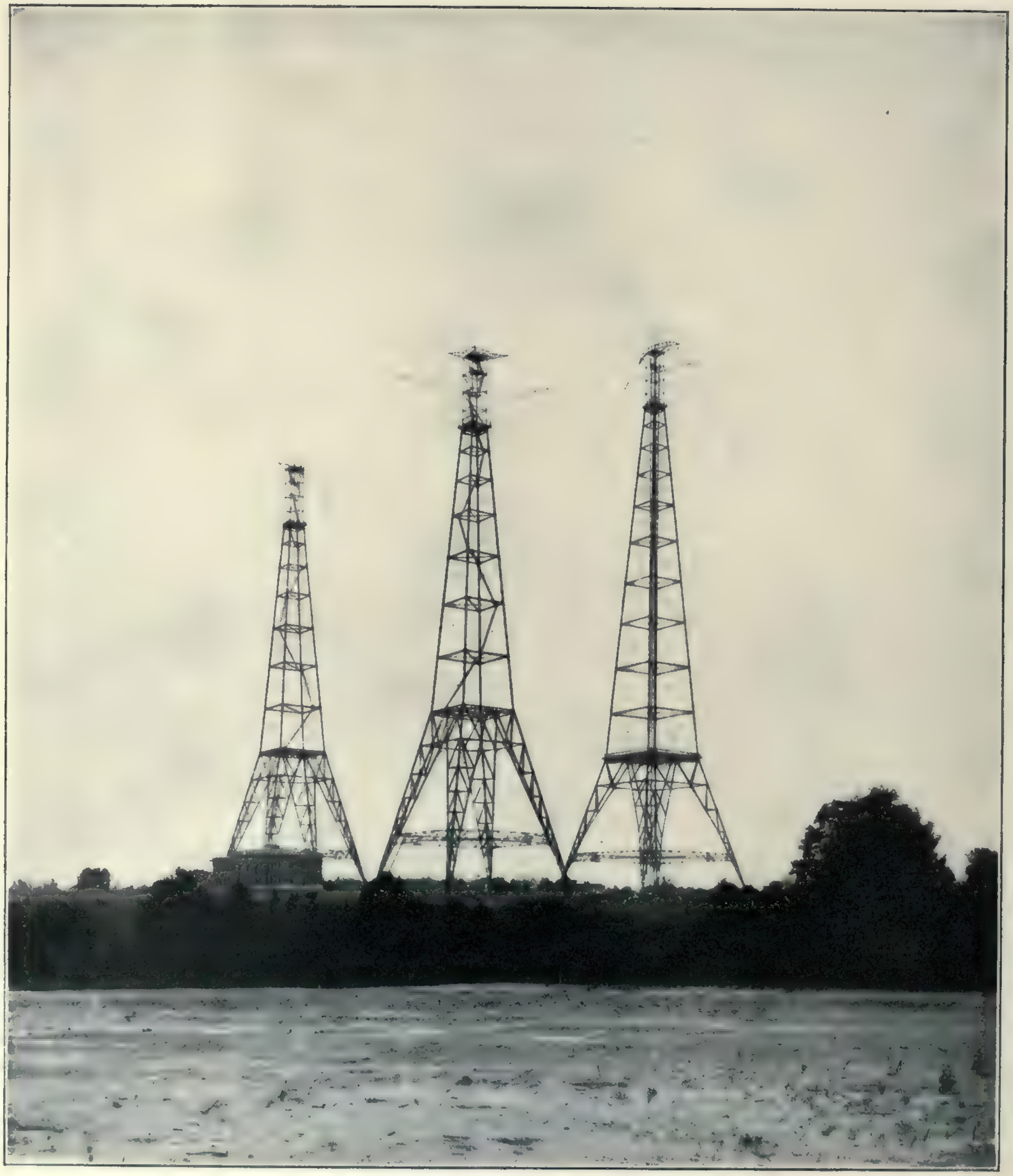
Table X gives for each night the number of clock stars observed by each observer, the mean observed clock correction, the clock correction as derived from the curve as previously explained, with the sidereal times to which they refer, and the hourly rate deduced from the least square solutions covering the different periods. In the case of Washington II it was necessary to subdivide the period into two groups for the clock rate solution. There has also been added a column giving the number of sets of oversea radio signals observed each night.

TABLE X.—*Corrections to Riefler Sidereal Clocks.*

Date.	Washington.							Paris.						
	No. Obs.		Sid. Hour.	Clock Correction.		Hourly Rate.	No. Sets Radio.	No. Obs.		Sid. Hour.	Clock Correction.		Hourly Rate.	No. Sets Radio.
	L.	M.		Observed.	From Curve.			H.	MG.		Observed.	From Curve.		
1913				s	s	s					s	s	s	
Oct. 28	19	9	1.83	−30.997	−30.997	−0.0216	.	..	..	....	.....	.....	......	1
29	12	12	1.12	−31.478	−31.491	−0.0216	.	..	..	....	.....	.....	......	.
30	..	..	1.00	......	−31.997	−0.0216	.	..	..	....	.....	.....	......	.
31	9	9	1.28	−32.526	−32.519	−0.0217	.	..	..	2.00	.....	+5.074	+0.0008	3
Nov. 1	17	14	1.63	−33.028	−33.038	−0.0217	.	13	14	1.55	+5.109	+5.093	+0.0008	.
3	13	1	0.17	−34.002	−34.035	−0.0217	.	..	..	....	.....	.....	......	.
4	17	15	1.69	−34.573	−34.587	−0.0217	.	..	..	2.00	.....	+5.151	+0.0008	2
5	17	16	1.69	−35.136	−35.105	−0.0218	.	9	16	2.44	+5.146	+5.171	+0.0008	.
6	17	17	1.62	−35.634	−35.626	−0.0218	.	1	9	0.13	+5.210	+5.189	+0.0008	.
7	11	..	23.91	−36.069	−36.106	−0.0218	.	17	12	1.38	+5.168	+5.212	+0.0008	1
8	..	..	....	......	......	.....	.	2	10	0.96	+5.266	+5.234	+0.0009	.
10	12	5	2.75	37.768	−37.740	−0.0219	.	..	..	....	.....	.....	......	.
11	11	..	23.92	−38.192	−38.202	−0.0219	.	12	11	1.87	+5.311	+5.300	+0.0009	.
12	10	9	1.90	−38.785	−38.770	−0.0219	.	..	..	....	.....	.....	......	.
13	8	..	0.22	−39.246	−39.258	−0.0219	.	..	..	2.00	.....	+5.349	+0.0009	3
15	..	..	2.00	......	−40.346	−0.0220	2	..	..	2.00	.....	+5.395	+0.0009	.
16	..	..	....	......	......	.....	.	..	9	1.58	+5.413	+5.416	+0.0009	.
17	15	17	2.25	−41.401	−41.404	−0.0220	.	..	..	2.00	.....	+5.437	+0.0009	2
18	17	..	2.66	−41.951	−41.941	−0.0220	.	..	..	....	.....	.....	......	.
19	15	4	3.58	−42.466	−42.489	−0.0221	1	15	11	2.34	+5.491	+5.476	+0.0009	1
20	14	15	2.96	−42.988	−43.004	−0.0221	2	..	..	2.00	.....	+5.495	+0.0009	1
21	17	15	2.95	−43.498	−43.531	−0.0221	1	..	..	2.00	.....	+5.513	+0.0009	2
22	17	13	2.80	−44.067	−44.062	−0.0221	1	..	..	2.00	.....	+5.532	+0.0010	.
24	16	16	2.87	−45.136	−45.127	−0.0222	1	..	..	2.00	.....	+5.564	+0.0010	2
25	11	1	1.88	−45.700	−45.639	−0.0222	2	..	..	2.00	.....	+5.584	+0.0010	2
26	..	..	3.00	......	−46.195	−0.0222	2	..	..	2.00	.....	+5.602	+0.0010	2
27	..	..	3.00	......	−46.728	−0.0222	2	..	..	2.00	.....	+5.620	+0.0010	1
28	..	..	3.00	......	−47.262	−0.0222	.	..	..	2.00	.....	+5.601	+0.0010	3
29	..	..	3.00	......	−47.797	−0.0223	.	14	..	2.26	+5.624	+5.662	+0.0010	2
Dec. 3	17	14	3.43	−49.952	−49.952	−0.0224	1	..	..	3.00	.....	+5.749	+0.0010	1
4	16	16	3.72	−50.490	−50.497	−0.0224	.	..	..	3.00	.....	+5.772	+0.0010	1
5	17	15	3.70	−51.048	−51.040	−0.0224	2	..	..	3.00	.....	+5.796	+0.0010	.
6	..	..	4.00	......	−51.586	−0.0224	.	..	..	3.00	.....	+5.821	+0.0010	2
8	10	11	4.36	−52.686	−52.676	−0.0224	1	1	16	1.23	+5.852	+5.870	+0.0011	2
9	15	13	4.23	−53.228	−53.213	−0.0225	1	..	..	3.00	.....	+5.899	+0.0011	.
10	..	..	4.00	......	−53.748	−0.0225	1	..	..	3.00	.....	+5.926	+0.0011	2
11	15	12	4.38	−54.282	−54.287	−0.0225	3	..	..	3.00	.....	+5.953	+0.0011	2
12	16	12	4.07	−54.830	−54.815	−0.0225	2	..	..	3.00	.....	+5.983	+0.0011	2
13	16	8	4.88	−55.342	−55.362	−0.0226	1	12	18	3.28	+6.031	+6.016	+0.0011	.
15	20	14	4.13	−56.421	−56.401	−0.0226	3	..	..	4.00	.....	+6.077	+0.0011	1
16	3	5	2.98	−56.865	−56.908	−0.0226	3	..	..	4.00	.....	+6.108	+0.0011	3
17	..	..	4.00	......	−57.468	−0.0226	.	..	..	4.00	.....	+6.139	+0.0011	1
18	17	15	4.45	−58.016	−58.015	−0.0227	3	..	..	4.00	.....	+6.172	+0.0011	1
19	16	20	4.30	−58.541	−58.550	−0.0227	2	5	12	4.00	+6.185	+6.204	+0.0011	2
20	19	15	4.43	−59.081	−59.099	−0.0227	2	11	24	2.66	+6.230	+6.234	+0.0011	3
22	..	11	2.59	−60.190	−60.159	−0.0227	2	..	..	4.00	.....	+6.303	+0.0012	.
23	15	5	3.67	−60.766	−60.737	−0.0228	2	3	[illegible]	5.16	+6.351	+6.337	+0.0012	2
26	10	9	4.93	−62.401	−62.419	−0.0228	2	..	..	5.00	.....	+6.441	+0.0012	.
27	17	14	4.88	−62.956	−62.965	−0.0229	2	..	..	5.00	.....	+6.476	+0.0012	.
29	17	14	5.21	− 4.054	− 4.068	−0.0229	3	..	..	5.00	.....	+6.549	+0.0012	2
30	14	16	5.26	− 4.627	− 4.617	−0.0229	3	..	..	5.00	.....	+6.585	+0.0012	2
31	7	..	4.74	− 5.147	− 5.149	−0.0229	3	8	..	2.29	+6.637	+6.619	+0.0012	3

TABLE X.—*Corrections to Riefler Sidereal Clocks*—Continued.

Date	Washington.							Paris.						
	No. Obs.		Sid. Hour.	Clock Correction.		Hourly Rate.	No. Sets Radio.	No. Obs.		Sid. Hour.	Clock Correction.		Hourly Rate.	No. Sets Radio.
	H.	Mg.		Ob-served.	From Curve.			L.	M.		Ob-served.	From Curve.		
1914				s	s	s					s	s	s	
Jan. 21	9	..	5.13	−16.145	−16.145	−0.0213	.	13	3	8.14	+7.583	+7.556	+0.0014	3
22	..	..	6.00	......	−16.702	−0.0211	1	17	12	6.79	+7.584	+7.598	+0.0014	2
23	..	..	6.00	......	−17.229	−0.0209	1	13	12	7.24	+7.652	+7.646	+0.0015	3
24	..	..	6.00	......	−17.752	−0.0208	1	16	14	6.90	+7.670	+7.687	+0.0015	1
26	1	11	5.61	−18.730	−18.743	−0.0204	3	..	..	7.00	......	+7.775	+0.0016	2
27	11	13	7.34	−19.286	−19.262	−0.0202	.	..	..	7.00	......	+7.819	+0.0016	2
28	14	12	7.34	−19.754	−19.739	−0.0200	1	..	..	7.00	......	+7.862	+0.0016	3
29	9	14	7.56	−20.198	−20.209	−0.0199	2	..	..	7.00	......	+7.907	+0.0017	1
30	..	..	7.00	......	−20.662	−0.0197	3	..	..	7.00	......	+7.948	+0.0017	3
31	13	11	7.38	−21.138	−21.129	−0.0195	3	11	10	7.56	+8.025	+7.990	+0.0017	2
Feb. 2	14	15	7.37	−22.026	−22.038	−0.0191	3	13	12	7.38	+8.047	+8.066	+0.0018	.
3	10	11	7.10	−22.487	−22.482	−0.0190	1	14	11	7.27	+8.124	+8.104	+0.0018	2
4	10	..	5.85	−22.901	−22.905	−0.0188	.	13	16	7.47	+8.112	+8.142	+0.0019	1
5	..	..	7.00	......	−23.369	−0.0186	.	16	12	7.39	+8.180	+8.180	+0.0019	3
7	12	12	7.52	−24.270	−24.259	−0.0182	2	..	..	8.00	......	+8.264	+0.0020	2
9	11	12	7.83	−25.117	−25.126	−0.0179	2	1	3	8.02	+8.302	+8.351	+0.0020	2
10	..	..	8.00	......	−25.556	−0.0178	3	14	8	7.53	+8.379	+8.395	+0.0021	2
11	15	12	8.24	−25.975	−25.983	−0.0177	1	..	..	8.00	......	+8.442	+0.0021	.
12	..	..	....	......	......	......	.	6	11	7.16	+8.505	+8.492	+0.0021	.
14	..	..	8.00	......	−27.251	−0.0175	3	..	..	8.00	......	+8.603	+0.0022	.
16	..	..	8.00	......	−28.105	−0.0174	2	..	..	8.00	......	+8.711	+0.0023	2
17	15	10	8.64	−28.528	−28.545	−0.0174	2	15	5	7.49	+8.752	+8.765	+0.0023	3
18	..	..	8.00	......	−28.965	−0.0173	2	..	..	8.00	......	+8.824	+0.0023	2
19	..	..	8.00	......	−29.400	−0.0173	.	..	..	8.00	......	+8.882	+0.0024	3
20	..	..	8.00	......	−29.840	−0.0173	2	..	..	8.00	......	+8.943	+0.0024	2
21	14	13	8.65	−30.292	−30.290	−0.0173	.	..	..	8.00	......	+9.001	+0.0024	2
24	8	8	7.71	−31.620	−31.587	−0.0174	.	14	8	8.78	+9.193	+9.186	+0.0025	.
25	..	..	9.00	......	−32.048	−0.0174	2	2	4	8.32	+9.273	+9.250	+0.0026	1
26	10	11	9.00	−32.464	−32.476	−0.0175	2	20	..	9.95	+9.302	+9.318	+0.0026	2
27	13	12	9.28	−32.917	−32.910	−0.0175	.	12	14	9.26	+9.380	+9.380	+0.0026	1
28	..	..	....	......	......	......	.	13	12	9.30	+9.439	+9.446	+0.0027	.
Mar. 2	..	..	....	......	......	......	.	14	14	9.44	+9.589	+9.576	+0.0027	.
3	..	11	7.39	−34.588	−34.585	−0.0176	.	..	..	....	.....	.....	......	.
4	13	13	9.60	−35.036	−35.046	−0.0176	.	..	..	....	.....	.....	......	.
5	..	..	9.00	......	−35.457	−0.0177	.	..	..	8.00	.....	+9.770	+0.0028	2
7	15	11	9.78	−36.294	−36.314	−0.0177	.							
9	1	13	8.11	−37.150	−37.122	−0.0178	.							
10	12	..	8.53	−37.548	−37.546	−0.0178	.							
11	..	..	9.00	......	−37.972	−0.0179	.							
12	10	13	8.82	−38.405	−38.385	−0.0179	.							
13	12	8	9.04	−38.810	−38.809	−0.0179	.							
14	11	12	8.91	−39.196	−39.227	−0.0180	.							
16	..	..	9.00	......	−40.085	−0.0180	.							
17	..	..	9.00	......	−40.516	−0.0181	.							
18	10	6	8.87	−40.956	−40.946	−0.0181	.							
19	..	..	9.00	......	−41.383	−0.0181	.							
20	11	10	9.26	−41.809	−41.821	−0.0182	.							
21	..	..	9.00	......	−42.255	−0.0182	.							
23	10	7	9.80	−43.140	−43.145	−0.0182	.							
24	10	10	9.49	−43.576	−43.579	−0.0183	.							
25	..	..	9.00	......	−44.012	−0.0183	.							
26	10	11	9.77	−44.467	−44.469	−0.0183	.							
30	..	..	9.00	......	−46.242	−0.0185	.							
Apr. 3	8	11	10.50	−48.071	−48.071	−0.0186	.							



RADIO STATION RADIO VIRGINIA.

THE RADIO EQUIPMENT.

The radio observers were all proficient radio operators, having had considerable experience on board ships of the United States Navy. In preparation for this particular work they practiced at the Naval Observatory for several weeks in the taking of coincidences, employing an arrangement of improvised apparatus by which the conditions of actual work were closely simulated.

The antennæ at Radio and at Paris were adapted for the use of practically the same fundamental wave length—namely, 2,150 meters. That at Radio is a flat top T antenna, composed of three flat sections, each section being approximately 400 feet long. The effective height is about 520 feet, though one end reaches the height of 630 feet. The Eiffel Tower antenna is of the umbrella type, consisting of six wires suspended from the Eiffel Tower at a height of 900 feet and extending diagonally to points about 300 or 400 feet from the base of the tower.

The receiving apparatus was the regular 1913 wireless specialty receiving set, with Pickard head phones and galena crystal for the detector.

The sending apparatus at Radio was a 100-kilowatt spark gap transmitting set, 500 cycle. That at Eiffel Tower was an 18-kilowatt, 60-cycle transmitter. In each case the key was operated by a relay controlled by a transmitting clock. The clocks used for this purpose were made by L. Leroy & Cie., of Paris, and were of a type especially designed for the distribution of time signals and for the control of other clock dials. The pendulum terminates in a magnet whose axis is perpendicular to the pendulum and lies in the plane of its swing. One pole of the magnet oscillates freely in the coil of an electromagnet at the left, from which it receives an impulse at each double oscillation, the necessary electric connections being made by the clockwork and the current being furnished by a small battery.

The wave length used for the exchange of signals was 2,500 meters, and the average power used at Radio was 70 kilowatts. At Paris the power employed was much less.

The signals sent from Radio and received at Eiffel Tower were very clear, though varying in intensity from night to night. At times the intensity was remarkable. Static at the Eiffel Tower was almost continuous, and interference from commercial stations was a serious difficulty. The signals from Eiffel Tower received at Radio were very feeble; and, because of their low frequency, 60 cycles, they closely resembled the sounds produced by the static.

THE PROGRAM AND METHODS OF THE RADIO WORK.

At each station the program of the radio work was essentially the same. At Radio, for example, the Leroy clock controlled the emission apparatus so as to send out three series of 420 signals, called rhythmic signals, omitting for purposes of identification the 60th, 120th, 180th, 240th, 300th, and 360th signals.

As the Leroy transmitting clock did not automatically omit any signals, it was necessary for one of the radio observers to effect these omissions by the manipulation of a switch in the circuit from this clock to the sending apparatus. The omitted seconds are referred to as interruptions.

The intervals between successive signals were approximately $0^{\rm s}.99$ mean time, and each signal was about $0^{\rm s}.5$ long, a long signal being considered better than a short one by the radio observers when working with faint signals. This made it necessary for the radio observer to concentrate his attention on the beginning of the signal. In order to increase the number of coincidences that could be observed in the limited time during which uninterrupted use of the ether could be secured, it was planned to compare the rhythmic signals with an intermediary mean-time chronometer beating half-seconds at each station instead of with the observatory standard clocks which emitted signals only once in two seconds. The chronometer was compared by the radio observer with the observatory clock before and after the radio work, which usually occupied a little over an hour. During this period dependence was placed on the rate of the chronometer. All these comparisons were made by the coincidence method by ear by the use of telephone receivers. The principle underlying such comparisons is essentially the same as that of the vernier, in this case coincidence of divisions of time being established by ear and in the case of the vernier the coincidence of divisions of space being established by the eye. When comparing the rhythmic signals with the chronometer, coincidences took place about once in 50 seconds, and in the case of emission signals generally seven or eight were observed in a series. In comparing the chronometer with the observatory clock, coincidences took place about once in three minutes and in general four were observed in each comparison.

The work of the radio observer was to listen, for example, to the rhythmic and chronometer beats in his telephone receivers and to note by the chronometer face the time of a coincidence of beats, to record this, and then, picking up the count from the chronometer but counting on the rhythmic beats, to count up to the next omitted signal in the rhythmic series, called an interruption, to record this, then to observe the next coincidence, and so on to the end of the series. By means of an induction coil the chronometer signals were reduced in intensity, when necessary, until they were of about the same faintness as the radio signals. The observation of the interruptions was especially difficult in the case of the oversea signals, since many of these signals were not heard. However, if one interruption in a series was observed, the rest could readily be supplied; and, even if none was observed, it was an easy matter to supply them all, assuming that the longitude was already approximately known.

By means of the records of the coincidences and of the interruptions it was possible to determine from each observed coincidence the chronometer time of any signal in the series of rhythmic signals which might be selected as the reference signal. This was done for each coincidence and the mean was used. In order to eliminate from the mean the effect of error in the adopted rate of gain of the emitting clock on the comparing clock, due to errors of observation, the signal whose number in the series corresponds to the mean of the numbers of the signals at which coincidences were observed should be taken as the reference signal. As this number is different for the two stations, the signal corresponding to the mean of the two numbers was used as the reference signal. thus rendering such errors negligible, though not completely eliminating them.

Having thus determined the chronometer time of a certain reference signal in a series, this was transposed into Riefler clock time by means of the comparisons between the chronometer and the clock and was then transposed into local sidereal time by the application of the clock correction. In the cases where the rhythmic signals were observed at both stations we have, then, the local sidereal time of a given reference signal at each station, and the difference is the longitude except as affected by transmission time, the effect of which is to make the longitude determined by signals emanating from Washington too large and those determined by signals from Paris too small by the time occupied in transmission.

In order to make the process clear the following example is given. The work can be much abridged in practice:

1914, January 28:
Second series of rhythmic signals from Radio, Va.
Observations at Radio, Va., to determine the emission time.
RIEFLER clock comparisons: Observer, GILLESPIE.

The average interval between alternate coincidences was approximately 363 seconds as noted by the chronometer. During this interval the RIEFLER clock gained one second, therefore the number of seconds in any interval as indicated by the clock is to be decreased by 1/364 to get the number of chronometer seconds. The column "Interval" gives the number of seconds from each coincidence to the selected reference zero of the RIEFLER clock, which for the first comparison is $3^h\ 37^m\ 0^s$, and for the second is $4^h\ 56^m\ 0^s$.

Chronometer time of—		Face of Washington RIEFLER.	Interval.		Chronometer Time of Reference Zero.	Mean.
Coincidence.	RIEFLER Zero Second.		Clock Seconds.	Chronometer Seconds.		
h m s	h m s	h m s	s	s	h m s	h m s
7 33 42	7 33 44	3 31 0	+362	+361.005	7 39 43.005	
7 36 43.5	7 36 43.5	3 34 0	+180	+179.505	43.005	
7 39 41	7 39 43	3 37 0	+ 2	+ 1.995	42.995	7 39 42.999
7 42 42.5	7 42 42.5	3 40 0	−180	−179.505	42.995	
7 45 45	7 46 42	3 44 0	−363	−362.003	42.997	
8 55 8.5	8 55 30.5	4 53 0	+202	+201.445	8 58 29.945	
8 58 10	8 58 30	4 56 0	+ 20	+ 19.945	29.945	8 58 29.947
9 1 13.5	9 1 29.5	4 59 0	−164	−163.549	29.951	

The following method has been used to determine from the above data the RIEFLER clock time of any given chronometer time in the vicinity of the clock comparisons upon the hypothesis that the rates of the two timepieces are uniform:

Let C_o and R_o = the chronometer and RIEFLER times at first comparison.
C_x and R_x = the chronometer and RIEFLER times at any other instant.
T_x = the correction from Table III of the American Ephemeris and Nautical Almanac to convert mean solar into sidereal time for the interval $C_x - C_o$.
ΔC = a correction for relative rate.

Then $R_x = R_o + C_x - C_o + T_x + \Delta C(C_x - C_o)$.

ΔC is to be determined by the comparison of the second with the first clock comparison In the above example $\Delta C = +0\overset{s}{.}00140$ per minute.

Observations of rhythmic signals (emission): Observer, COFFMAN.

The average interval between alternate coincidences was $103\overset{s}{.}0$ as noted by the chronometer. During this interval the rhythmic signals gained one second; therefore the number of seconds in any interval as indicated by the rhythmic signals must be decreased by 1/104.0 to get the number of chronometer seconds.

It is to be noted that Messrs. Coffman and Gillespie habitually recorded the chronometer times of the signals immediately preceding the interruptions instead of the times of the interruptions.

Chronometer Time of—		Serial No. of Interruption.	Interval from Coincidence to Signal No. 250.		Chronometer Time of Reference Signal No. 250.	Mean.
Coincidence.	Interruption.		Rhythmic Seconds.	Chronometer Seconds.		
h m s	h m s		s	s	h m s	h m s
8 18 56.5	8 19 23.5	119	+158	+156.480	8 21 32.980	
8 19 47	8 20 23	179	+107	+105.971	32.971	
8 20 39.5	8 21 22.5	239	+ 54	+ 53.481	32.981	
8 21 29	. .. .	...	+ 4	+ 3.962	32.962	8 21 32.975
8 22 21.5	8 22 21.5	299	− 49	− 48.529	32.971	
8 23 14	8 23 21	359	−102	−101.019	32.981	
8 24 5.5	8 24 21.5	420	−154	−152.519	32.981	

	h m s
Chronometer time of reference signal,	C_x=8 21 32.975
Chronometer time of Riefler comparison,	C_o=7 39 42.999
	C_x-C_o=0 41 49.976
	T_x= + 6.872
	$\Delta C(C_x-C_o)$= + 0.059
	0 41 56.907
Riefler clock time of Riefler comparison,	R_o=3 37 0.000
Riefler clock time of reference signal,	R_x=4 18 56.907
Correction to Washington Riefler clock,	= −19.679
Washington sidereal time of reference signal,	=4 18 37.228

1914, January 28:

Second series of rhythmic signals from Radio, Va.

Observations at Eiffel Tower, Paris, to determine the reception time.

Riefler clock comparisons: Observer Saunders.

The average interval between alternate coincidences was approximately 369 seconds as noted by the chronometer; therefore the number of seconds in any interval as indicated by the clock is to be decreased by 1/370 to get the number of chronometer seconds. The column "Interval" gives the number of seconds from each coincidence to the selected reference zero of the Riefler clock, which for the first comparison is $9^h\ 1^m\ 0^s$ and for the second is $10^h\ 17^m\ 0^s$.

Chronometer time of—		Face of Paris Riefler.	Interval.		Chronometer Time of Reference Zero.	Mean.
Coincidence.	Riefler Zero Second.		Clock Seconds.	Chronometer Seconds.		
h m s	h m s	h m s	s	s	h m s	h m s
12 20 0	12 20 56	8 59 0	+176	+175.524	12 32 55.524	
12 23 3.5	12 23 55.5	9 2 0	− 8	− 7.978	55.522	12 22 55.525
12 26 11	12 26 55	9 5 0	−196	−195.470	55.530	
13 33 52	13 34 44	10 13 0	+292	+291.211	13 38 43.211	
13 36 55.5	13 37 43.5	.. .. .	+108	+107.708	43.208	
13 39 59	13 40 43	10 19 0	− 76	− 75.795	43.205	13 37 43.208
13 43 4.5	13 43 42.5	10 22 0	−262	−261.292	43.208	

$\Delta C = -0^s.00177$ per minute.

Observations of rhythmic signals (reception): Observer **Saunders**.

The average interval between alternate coincidences was 103^{s}.2 as noted by the chronometer; therefore the number of seconds in any interval as indicated by the rhythmic signals must be decreased by 1/104.2 to get the number of chronometer seconds.

Chronometer Time of— Coincidence.	Chronometer Time of— Interruption.	Serial No. of Interruption.	Interval from Coincidence to Signal No. 250. Rhythmic Seconds.	Interval from Coincidence to Signal No. 250. Chronometer Seconds.	Chronometer Time of Reference Signal No. 250.	Mean.
h m s	h m s		s	s	h m s	h m s
12 55 24.5	12 55 47.5	120	+153	+151.531	12 57 56.031	
12 56 16	12 56 47	180	+101	+100.030	56.030	
12 57 7.5	12 57 46.5	240	+ 49	+ 48.530	56.030	
12 57 59	12 58 46	300	− 3	− 2.971	56.029	12 57 56.030
12 58 50.5	.. ..	...	− 55	− 54.472	56.028	
12 59 42	12 59 45	360	−107	−105.973	56.027	
13 0 34.5	13 0 44.5	420	−160	−158.464	56.036	

		h m s
Chronometer time of reference signal,	$C_x=$	12 57 56.030
Chronometer time of **Riefler** comparison,	$C_o=$	12 22 55.525
	$C_x-C_o=$	0 35 0.505
	$T_x=$	+5.752
	$\Delta C(C_x-C_o)=$	−0.062
	$=$	0 35 6.195
Riefler clock time of **Riefler** comparison,	$R_o=$	9 1 0.000
Riefler clock time of reference signal,	$R_x=$	9 36 6.195
Correction to Paris **Riefler** clock,	$=$	+7.866
Paris sidereal time of reference signal,	$=$	9 36 14.061
Washington sidereal time of reference signal,	$=$	4 18 37.228
Longitude, uncorrected for transmission time,	$=$	5 17 36.833
Correction for transmission time,	$=$	−0.021
Longitude,	$=$	5 17 36.812

The following are the probable errors of the deduced time of the reference signal depending on a single observation of a coincidence for the different radio observers, as derived from the results of the separate coincidences of a series:

Table XI.—*Probable Errors of Radio Observers.*

	Riefler Comparison.	Emission Signals.	Reception Signals.
	s	s	s
Coffman	±0.0032	±0.0057	±0.0118
Gillespie	±0.0031	±0.0070	±0.0150
Saunders	±0.0026	±0.0050	±0.0093
Lavender	±0.0038	±0.0061	±0.0109

It is evident that the principal source of error lies in the observation of the reception signals, as was to be expected on account of their extreme feebleness. In combining the work of the different observers that of **Gillespie** was given half weight.

The above probable errors give for the probable error due to the radio work of a longitude from one series of signals observed under average conditions with four RIEFLER coincidences, seven emission coincidences, and four reception coincidences, ±$0^s.006$, but by intercomparing the results from different series observed on the same night the following probable errors for a series were obtained:

	s
COFFMAN	±0.023
GILLESPIE	±0.029
SAUNDERS	±0.018
LAVENDER	±0.020

This seems to indicate that there is considerable systematic error in each series, perhaps due to the fact that an observer after having secured the first coincidence knew just when to expect the next ones and was unconsciously somewhat influenced by that knowledge. It would perhaps have been a better plan to have recorded the coincidences and interruptions on a chronograph and to thus have avoided counting entirely.

From the nature of the comparisons, a long radio signal with a short chronometer tick, there was evidently the possibility of considerable personal equation. In fact, there seems to have been at each station a range of several seconds between the different observers in the average times of getting coincidences. Assuming that these personal equations remained constant, their effect was eliminated by the interchanges of observers. Even if they did not remain constant, it is probable that the changes were relatively small and that the effect of personal equation has been very largely eliminated.

As Messrs. COFFMAN and GILLESPIE frequently observed the same series, it is possible to determine their relative personal equations directly. It is also possible to deduce the relative personal equations of Messrs. SAUNDERS and LAVENDER by indirect methods. The following are the results, COFFMAN and LAVENDER, in general, getting coincidences later than GILLESPIE and SAUNDERS. These personal equations have not been used in the reductions.

TABLE XII.—*Corrections for Relative Personal Equations of Radio Observers.*

	COFFMAN–GILLESPIE.	LAVENDER–SAUNDERS.
	s	s
I. Emission	+0.014	+0.017
I. Reception	+0.021	+0.003
II. Emission	+0.007	−0.001
II. Reception	+0.007	0.000

THE RESULTS OF THE RADIO OBSERVATIONS.

Table XIII gives the results of the work of the radio observers for each series of comparisons for all the nights when the data was needed.

The designations of the observers are as follows:

C. = R. B. COFFMAN.
G. = G. S. GILLESPIE.
Lv. = R. A. LAVENDER.
S. = H. E. SAUNDERS.

TABLE XIII.—*Chronometer Comparisons.*

AT RADIO, VA.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1913				h m s	h m s					h m s					h m s
Oct. 28	S.	3	3	22 26 0	8 32 32.143	1	8	5	209	8 15 17.748	.	.	.	...	. .. .
	S.	4	4	23 36 0	9 42 20.607	3	7	7	214	8 55 20.353	.	.	.	...	. .. .
30	S.	1	1	21 47 0	7 45 44.582	1	6	5	246	8 15 53.747	.	.	.	...	. .. .
	S.	2	2	23 30 0	9 28 27.602	2	7	7	211	8 35 22.359	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	7	6	173	8 54 59.927	.	.	.	...	. .. .
31	Lv.	3	3	21 29 0	7 23 50.584	2	7	7	253	8 35 59.853	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	7	[1]6	230	8 55 35.453	.	.	.	...	. .. .
Nov. 3	Lv.	3	3	22 2 0	7 44 54.654	1	8	4	212	8 15 15.755	.	.	.	...	. .. .
	Lv.	5	4	23 24 0	9 6 41.147	3	7	6	217	8 56 11.927	.	.	.	...	. .. .
4	S.	2	2	22 15 0	7 53 55.511	1	9	7	210	8 15 15.003	.	.	.	...	. .. .
	S.	3	3	23 24 0	9 2 44.150	2	8	7	221	8 35 24.246	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	7	7	173	8 54 35.120	.	.	.	...	. .. .
7	Lv.	2	2	22 38 0	8 5 0.549	3	8	[2]5	236	8 55 38.932	.	.	.	...	. .. .
	Lv.	4	4	23 42 0	9 8 49.995	.	.	.	...	. .. .	.	.	.	...	. .. .
10	Lv.	4	4	22 22 0	7 37 12.140	1	7	5	194	8 14 59.000	.	.	.	...	. .. .
	Lv.	4	4	23 50 0	9 4 57.660	2	[3]8	5	201	8 35 9.247	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	7	5	215	8 55 21.432	.	.	.	...	. .. .
12	Lv.	3	3	23 14 0	8 21 9.531	1	6	3	225	8 15 25.674	.	.	.	...	. .. .
	Lv.	5	2	23 56 0	9 3 2.611	2	6	4	252	8 35 50.753	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	8	[1]5	233	8 55 35.251	.	.	.	...	. .. .
13	S.	4	3	22 48 0	7 51 16.614	1	4	3	264	8 16 24.683	.	.	.	...	. .. .
	S.	4	4	23 58 0	9 1 5.074	2	8	6	210	8 35 4.800	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	8	7	254	8 55 46.735	.	.	.	...	. .. .
15	S.	4	4	22 57 0	7 52 20.220	.	.	.	...	. .. .	1	7	1	248	8 2 46.840
	S.	4	4	0 13 0	9 8 7.674	.	.	.	...	. .. .	3	2	1	161	8 44 19.238
17	Lv.	3	3	23 2 0	7 49 24.658	1	7	5	233	8 15 25.638	.	.	.	...	. .. .
	Lv.	4	4	0 21 0	9 8 11.627	2	7	6	181	8 34 32.497	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	7	7	252	8 55 46.100	.	.	.	...	. .. .
19	Lv.	4	4	23 10 0	9 49 28.622	1	5	5	143	8 13 52.698	3	2	1	226	8 45 19.084
	Lv.	5	4	0 29 0	7 8 15.580	2	7	6	231	8 35 18.216	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	6	5	207	8 54 57.738	.	.	.	...	. .. .
20	S.	2	2	23 17 0	7 52 30.055	1	7	6	220	8 15 9.497	1	4	3	256	8 2 47.774
	S.	4	4	0 33 0	9 8 17.510	2	8	7	225	8 35 17.750	3	3	4	198	8 44 49.864
	S.	.	.	.. .. .	. .. .	3	7	7	258	8 55 48.772	.	.	.	...	. .. .
21	Lv.	5	4	23 18 0	7 49 32.507	1	8	6	180	8 14 29.503	1	2	1	233	8 2 25.581
	Lv.	5	5	0 43 0	9 14 18.478	3	8	7	211	8 55 1.833	.	.	.	...	. .. .
22	S.	4	2	23 52 0	8 19 29.569	1	8	6	231	8 15 24.249	1	4	2	198	8 1 49.199
	S.	3	4	0 40 0	9 7 21.652	2	8	7	214	8 35 5.754	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	7	6	180	8 54 30.427	.	.	.	...	. .. .
24	S.	2	2	23 49 0	8 8 35.585	1	5	4	226	8 15 17.047	1	[3]3	[2]1	230	8 2 17.664
	S.	5	5	0 56 0	9 15 24.534	2	7	7	255	8 35 44.070	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	8	7	216	8 55 3.756	.	.	.	...	. .. .
25	Lv.	4	4	23 24 0	7 39 42.162	1	6	4	213	8 15 0.886	.	.	.	...	. .. .
	Lv.	4	4	0 49 0	9 4 28.131	2	8	6	208	8 34 54.249	1	[3]3	0	290	8 3 17.155
	Lv.	.	.	.. .. .	. .. .	3	6	4	221	8 55 5.438	3	[3]3	[4]1	265	8 45 50.996
26	S.	5	5	0 59 0	9 10 29.043	1	6	5	278	8 16 2.906	1	4	1	272	8 2 58.189
	S.	.	.	.. .. .	. .. .	2	7	6	251	8 35 34.496	3	4	5	219	8 45 5.561
	S.	.	.	.. .. .	. .. .	3	8	7	224	8 55 6.090	.	.	.	...	. .. .
27	S.	4	4	23 42 0	7 49 44.306	1	8	6	240	8 15 23.116	1	3	3	150	8 0 55.885
	S.	4	4	1 10 0	9 17 29.787	.	.	.	...	. .. .	3	3	1	205	8 44 51.037
28	Lv.	4	4	23 46 0	7 49 46.262	1	5	2	188	8 13 35.057	.	.	.	...	. .. .
	Lv.	4	4	1 14 0	9 17 31.748	2	7	5	245	8 34 29.784	.	.	.	...	. .. .
29	Lv	4	4	23 55 0	7 54 47.384	1	7	6	223	8 16 1.207	.	.	.	...	. .. .
	Lv.	4	3	1 18 0	9 17 33.687	2	6	4	284	8 36 0.516	.	.	.	...	. .. .
Dec. 3	S.	2	2	0 4 0	7 47 56.520	1	8	7	219	8 13 1.279	2	6	[1]1	224	8 32 5.132
	S.	4	4	1 13 0	8 56 45.130	2	7	7	207	8 21 49.147	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	7	7	220	8 42 0.355	.	.	.	...	. .. .
4	Lv.	4	4	23 59 0	7 39 0.042	1	7	5	235	8 13 15.163	.	.	.	...	. .. .

[1] One changed $-1^{\mathrm{s}}.0$. [2] One changed $+1^{\mathrm{s}}.0$. [3] One changed $+0^{\mathrm{s}}.5$. [4] Changed $-33^{\mathrm{s}}.0$.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT RADIO, VA.—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1913				h m s	h m s					h m s					h m s
Dec. 4	Lv.	4	4	1 21 0	9 0 46.516	2	8	6	200	8 21 40.255	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	5	5	177	8 41 15.798	.	.	.	...	. .. .
5	S.	2	2	0 13 0	7 49 0.335	.	.	.	...	. .. .	2	8	7	199	8 31 38.281
	S.	5	5	1 43 0	9 18 45.482	.	.	.	...	. .. .	3	3	2	204	8 51 47.328
6	Lv.	4	4	0 17 0	7 49 2.288	1	8	6	232	8 13 9.431	.	.	.	...	. .. .
	Lv.	4	4	1 42 0	9 13 48.270	2	7	7	221	8 21 58.269	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	7	5	188	8 41 23.927	.	.	.	...	. .. .
8	Lv.	4	4	0 18 0	7 42 7.533	1	7	5	217	8 12 49.283	3	3	3	288	8 53 3.123
	Lv.	4	4	1 49 0	9 12 52.537	2	6	5	153	8 20 45.637	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	7	4	210	8 41 45.360	.	.	.	...	. .. .
9	S.	3	3	0 22 0	7 42 9.634	1	8	7	232	8 13 12.754	2	4	4	203	8 31 38.694
	S.	5	5	1 47 0	9 6 55.617	2	7	6	203	8 21 43.788	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	8	6	195	8 41 29.250	.	.	.	...	. .. .
10	Lv.	5	5	0 21 0	7 37 12.540	1	6	4	247	8 13 15.999	1	4	2	125	8 1 17.554
	Lv.	6	5	1 55 0	9 10 57.042	2	5	6	221	8 21 49.991	.	.	.	...	. .. .
	Lv.	.	.	.. .. .	. .. .	3	6	5	240	8 42 7.170	.	.	.	...	. .. .
11	S.	2	2	0 34 0	7 46 13.152	1	8	7	233	8 13 4.647	1	7	[1]5	215	8 2 51.291
	S.	4	4	1 59 0	9 10 59.123	2	6	6	149	8 20 41.228	2	6	6	188	8 31 24.353
	S.	.	.	.. .. .	. .. .	3	7	7	258	8 42 32.501	3	5	[2]2	210	8 51 45.324
12	Lv.	4	4	0 39 0	7 47 15.051	1	[3]4	[4]1	199	8 12 39.678	1	4	[4]1	176	8 2 10.026
	Lv.	4	3	2 10 0	9 18 0.041	2	8	5	222	8 21 57.252	2	4	4	239	8 32 13.299
	Lv.	.	.	.. .. .	. .. .	3	5	4	230	8 42 8.456	.	.	.	...	. .. .
13	S.	4	4	0 40 0	7 44 11.654	1	7	6	233	8 13 0.496	1	5	2	239	8 3 4.772
	S.	4	4	2 14 0	9 17 56.148	2	8	7	235	8 21 57.248	.	.	.	...	. .. .
	S.	.	.	.. .. .	. .. .	3	8	7	208	8 41 33.753	.	.	.	...	. .. .
15	S.	3	3	0 49 0	7 45 15.130	1	5	3	297	8 14 46.093	1	2	0	181	8 2 4.325
	S.	6	6	2 11 0	9 7 1.586	2	8	7	194	8 21 19.255	2	6	5	232	8 32 5.549
	S.	.	.	.. .. .	. .. .	3	8	7	226	8 41 49.251	3	5	4	264	8 52 25.475
16	Lv.	3	2	1 2 0	7 54 15.516	1	8	5	211	8 12 32.748	1	3	0	125	8 1 8.356
	Lv.	4	4	2 34 0	9 26 0.328	2	8	5	210	8 21 31.478	2	7	2	234	8 31 56.104
	Lv.	.	.	. .. .	. .. .	3	7	5	214	8 41 38.680	3	5	3	203	8 51 25.537
17	Lv.	4	4	0 50 0	7 38 20.072	1	4	4	255	8 12 27.750	.	.	.	...	. .. .
	Lv.	4	4	2 27 0	9 15 4.069	2	3	3	333	8 23 59.006	.	.	.	...	. .. .
	Lv.	.	.	. .. .	. .. .	3	6	5	214	8 41 34.679	.	.	.	...	. .. .
18	S.	5	5	0 54 0	7 38 22.106	1	7	7	200	8 12 23.503	1	4	4	253	8 3 13.536
	S.	4	4	2 34 0	9 18 5.620	2	8	7	208	8 21 31.153	2	6	6	236	8 31 56.498
	S.	.	.	. .. .	. .. .	3	8	7	228	8 41 49.250	3	8	6	213	8 51 33.828
19	Lv.	4	3	1 11 0	7 51 21.941	1	6	4	220	8 12 39.559	1	6	1	234	8 3 1.892
	Lv.	5	3	2 35 0	9 15 8.091	2	8	6	199	8 21 18.495	3	5	[5]1	207	8 51 27.302
	Lv.	.	.	. .. .	. .. .	3	7	6	192	8 41 9.857	.	.	.	...	. .. .
20	S.	3	3	1 8 0	7 44 25.161	1	7	7	252	8 13 7.872	2	7	[4]1	213	8 31 31.884
	S.	4	4	2 42 0	9 18 9.653	2	3	3	125	8 20 1.827	3	3	2	120	8 49 59.860
	S.	.	.	. .. .	. .. .	3	[6]8	6	215	8 41 29.249	.	.	.	...	. .. .
22	Lv.	4	4	1 13 0	7 41 29.664	1	5	[4]3	310	8 14 6.002	1	[7]6	[5]1	211	8 2 29.710
	Lv.	4	4	2 47 0	9 15 14.142	2	6	5	211	8 21 28.670	2	[6]2	[4]1	268	8 32 31.915
	Lv.	.	.	. .. .	. .. .	3	[6]7	[8]4	208	8 42 23.431	.	.	.	...	. .. .
23	Lv.	4	2	1 20 0	7 44 31.072	2	6	4	273	8 22 26.309	2	2	[5]1	182	8 30 57.797
	Lv.	4	2	2 54 0	9 18 15.560	3	7	5	182	8 40 54.477	3	4	[4]1	237	8 51 52.326
26	S.	4	4	1 31 0	7 43 37.128	1	7	7	203	8 12 17.359	1	[8]4	0	160	8 1 35.747
	S.	3	3	3 5 0	9 17 21.628	2	7	7	218	8 21 31.928	2	4	0	226	8 31 45.761
	S.	.	.	. .. .	. .. .	3	8	5	211	8 41 23.248	.	.	.	...	. .. .
27	Lv.	5	5	1 30 0	7 38 40.026	1	8	6	208	8 12 17.748	1	4	[4]1	199	8 2 11.518
	Lv.	4	4	3 7 0	9 15 24.021	2	8	5	231	8 21 40.251	.	.	.	...	. .. .
	Lv.	.	.	. .. .	. .. .	3	6	6	261	8 42 8.251	.	.	.	...	. .. .
29	S.	4	4	1 46 0	7 47 42.514	1	7	7	243	8 12 49.127	1	7	6	218	8 2 28.818
	S.	4	4	3 17 0	9 18 27.515	2	7	5	227	8 21 32.996	2	2	0	202	8 31 12.785
	S.	.	.	. .. .	. .. .	3	8	6	232	8 41 36.231	3	5	4	226	8 51 35.740

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[1] One changed −2ˢ.0.

[2] One changed −9ˢ.0.

[3] One changed +0ˢ.5; one changed −0ˢ.5.

[4] Changed +1ˢ.0.

[5] Changed −1ˢ.0.

[6] One changed +0ˢ.5.

[7] Two changed +0ˢ.5; one changed −0ˢ.5.

[8] One changed −0ˢ.5.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT RADIO, VA.—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1913				h m s	h m s					h m s					h m s
Dec. 30	Lv.	4	3	1 41 0	7 38 46. 098	1	7	4	264	8 13 10. 622	1	4	[1]2	244	8 2 54. 356
	Lv.	6	5	3 18 0	9 15 30. 101	2	7	6	267	8 22 13. 333	2	5	3	267	8 32 16. 954
	Lv.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	5	4	210	8 51 20. 648
31	S.	4	4	1 48 0	7 41 47. 664	1	8	7	256	8 13 3. 805	1	7	7	211	8 2 21. 153
	S.	4	4	3 25 0	9 18 31. 654	2	8	7	229	8 21 36. 792	2	7	6	224	8 31 32. 856
	S.	.	.	. .. .	. .. .	3	7	7	224	8 41 30. 149	3	7	3	200	8 51 11. 216
1914															
Jan. 21	*	4	4	3 6 0	7 36 29. 586	1	6	6	177	8 11 28. 126	.	.	.	...	. .. .
	*	3	3	4 28 0	8 58 16. 060	2	5	4	225	8 21 14. 376	.	.	.	...	. .. .
	*	.	.	. .. .	. .. .	3	7	6	202	8 40 51. 918	.	.	.	...	. .. .
22	G.	5	5	3 11 0	7 37 31. 505	1	6	6	221	8 12 12. 582	1	3	1	211	8 1 58. 673
	G.	3	3	4 33 0	8 59 17. 975	2	6	5	268	8 21 55. 938	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	6	5	221	8 41 9. 571	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	1	5	6	221	8 12 12. 582	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	6	7	268	8 21 55. 900	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	7	5	221	8 41 9. 593	.	.	.	...	. .. .
23	G.	4	4	3 19 0	7 41 32. 759	1	8	6	207	8 11 55. 726	.	.	.	...	. .. .
	G.	4	4	4 41 0	9 3 19. 235	2	8	7	237	8 21 24. 157	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	6	4	230	8 41 17. 526	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	1	8	7	207	8 11 55. 755	1	4	1	231	8 2 28. 843
	C.	.	.	. .. .	. .. .	2	8	7	237	8 21 24. 169	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	7	6	230	8 41 17. 520	.	.	.	...	. .. .
24	G.	4	4	3 31 0	7 49 33. 323	1	7	7	245	8 12 31. 172	1	2	0	256	8 2 43. 069
	G.	4	4	4 41 0	8 59 21. 774	.	.	.	...	. .. .	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	1	8	7	245	8 12 31. 189	.	.	.	...	. .. .
26	G.	1	1	3 30 0	7 40 39. 033	1	8	5	228	8 12 12. 702	1	5	[2]3	187	8 1 31. 248
	G.	4	4	4 53 0	9 3 25. 320	2	7	7	238	8 21 22. 279	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	7	6	215	8 40 59. 794	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	1	7	7	228	8 12 12. 715	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	7	7	238	8 21 22. 278	2	6	[3]1	242	8 31 23. 456
	C.	.	.	. .. .	. .. .	3	6	5	215	8 40 59. 798	3	3	[4]1	273	8 51 57. 303
27	C.	4	4	3 38 0	7 44 40. 210	1	8	7	213	8 11 56. 286	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	6	6	208	8 40 52. 317	.	.	.	...	. .. .
	G.	4	4	4 57 0	9 3 27. 177	1	7	7	213	8 11 56. 269	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	8	7	208	8 40 52. 319	.	.	.	...	. .. .
28	G.	5	5	3 37 0	7 39 42. 999	1	7	7	204	8 11 47. 679	1	[5]4	[6]2	221	8 2 3. 400
	G.	.	.	. .. .	. .. .	2	7	6	250	8 21 32. 958	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	7	7	285	8 42 7. 910	.	.	.	...	. .. .
	C.	3	3	4 56 0	8 58 29. 947	1	8	7	204	8 11 47. 710	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	7	6	250	8 21 32. 975	2	6	6	212	8 30 55. 268
	C.	.	.	. .. .	. .. .	3	7	7	285	8 42 7. 918	.	.	.	...	. .. .
29	G.	3	3	3 52 0	7 50 43. 003	1	7	6	234	8 12 14. 849	1	2	[7]1	146	8 0 46. 393
	C.	4	4	5 6 0	9 4 30. 790	1	6	5	234	8 12 14. 826	3	4	[8]4	203	8 50 44. 649
30	G.	3	3	3 53 0	7 47 45. 425	1	7	6	227	8 12 7. 918	1	8	5	215	8 1 54. 279
	G.	.	.	. .. .	. .. .	2	7	7	203	8 20 44. 878	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	7	6	210	8 40 52. 079	3	6	5	209	8 50 50. 214
	C.	4	4	5 10 0	9 4 32. 726	1	6	6	227	8 12 7. 936	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	8	7	203	8 20 44. 878	2	7	5	213	8 30 53. 120
	C.	.	.	. .. .	. .. .	3	7	6	210	8 40 52. 069	3	7	7	209	8 50 50. 219
31	G.	4	4	3 55 0	7 45 47. 858	1	6	4	214	8 11 53. 262	1	7	6	228	8 2 8. 046
	G.	5	5	5 20 0	9 10 33. 848	2	8	7	251	8 21 29. 614	2	6	4	202	8 30 41. 039
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	2	2	287	8 52 6. 338
	C.	.	.	. .. .	. .. .	1	8	7	214	8 11 53. 271	1	4	5	228	8 2 8. 054
	C.	.	.	. .. .	. .. .	2	8	7	251	8 21 29. 628	2	5	5	202	8 30 41. 060

* Data supplied by French observer.

[1] One changed $-0^{\rm s}.5$; one changed $+2^{\rm s}.5$. [2] One changed $-4^{\rm s}.0$; one changed $-6^{\rm s}.5$; one changed $-6^{\rm s}.0$. [3] Changed $-8^{\rm s}.0$. [4] Changed $-6^{\rm s}.0$. [5] Two changed $+0^{\rm s}.5$; one changed $-0^{\rm s}.5$. [6] One changed $-1^{\rm s}.0$; one changed $-0^{\rm s}.5$. [7] Changed $+5^{\rm s}.0$. [8] One changed $-6^{\rm s}.0$; two changed $-1^{\rm s}.0$; one changed $+1^{\rm s}.0$.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT RADIO, VA.—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1914				h m s	h m s					h m s					h m s
Feb. 2	G.	4	4	4 6 0	7 48 51.704	1	7	6	198	8 11 36.163	1	8	[1]6	218	8 2 6.794
	G.	.	.	. .. .	. .. .	2	7	6	224	8 21 1.627	2	8	[2]7	211	8 30 48.774
	G.	.	.	. .. .	. .. .	3	7	6	198	8 40 36.164	3	4	[1]3	230	8 51 8.681
	C.	3	3	5 20 0	9 2 39.495	1	8	7	198	8 11 36.163	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	8	7	224	8 21 1.623	2	8	7	211	8 30 48.783
	C.	.	.	. .. .	. .. .	3	8	7	198	8 40 36.166	3	6	5	230	8 51 8.688
3	G.	4	4	4 10 0	7 48 53.680	1	4	4	200	8 11 39.592	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	2	7	6	230	8 21 10.051	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	8	6	247	8 41 26.184	.	.	.	...	. .. .
	C.	2	2	5 47 0	9 25 37.695	1	2	3	200	8 11 39.576	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	8	7	230	8 21 10.047	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	5	6	247	8 41 26.161	3	3	[3]1	214	8 50 51.307
4	G.	2	2	4 11 0	7 45 56.319	1	8	7	212	8 11 48.153	.	.	.	...	. .. .
	G.	3	3	5 11 0	8 45 46.434	2	6	[4]5	172	8 20 9.245	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	1	8	6	212	8 11 48.147	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	6	5	172	8 20 9.256	.	.	.	...	. .. .
5	G.	4	4	4 14 0	7 44 58.734	1	8	7	206	8 11 42.241	.	.	.	...	. .. .
	G.	4	4	5 24 0	8 54 47.201	2	7	6	266	8 21 41.373	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	8	6	230	8 41 4.988	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	1	8	7	206	8 11 42.236	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	7	6	266	8 21 41.389	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	7	6	230	8 41 5.009	.	.	.	...	. .. .
7	G.	3	3	4 28 0	7 51 2.009	1	7	6	227	8 12 0.814	1	4	1	198	8 1 30.768
	G.	.	.	. .. .	. .. .	2	7	6	203	8 20 36.770	.	.	.	...	. .. .
	C.	3	3	5 53 0	9 15 47.993	1	8	7	227	8 12 0.823	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	2	8	7	203	8 20 36.777	2	7	[5]5	216	8 30 49.290
9	G.	4	4	4 35 0	7 50 6.677	1	6	[4]5	266	8 12 39.116	1	6	5	221	8 1 52.686
	G.	3	8	5 46 0	9 0 54.969	2	6	[6]4	218	8 20 53.313	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	7	5	275	8 41 46.044	3	6	[4]4	218	8 50 49.150
	C.	.	.	. .. .	. .. .	3	7	7	275	8 41 46.034	3	6	7	218	8 50 49.137
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	.	.	.	...	. .. .
0	G.	.	.	. .. .	. .. .	1	7	3	211	8 11 41.730	1	6	4	246	8 2 18.164
	G.	4	3	6 35 0	9 45 49.837	2	7	7	177	8 20 7.761	2	7	6	219	8 30 51.190
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	7	6	226	8 50 58.241
	C.	.	.	. .. .	. .. .	1	7	7	211	8 11 41.739	1	5	4	246	8 2 18.164
11	G.	5	5	4 40 0	7 47 11.646	.	.	.	...	. .. .	1	4	2	223	8 1 53.440
	C.	5	5	5 32 0	8 39 3.073	.	.	.	...	. .. .	.	.	.	...	. .. .
14	G.	3	3	4 56 0	7 51 17.962	.	.	.	...	. .. .	1	6	5	248	8 2 19.094
	G.	2	2	5 37 0	8 32 11.220	.	.	.	...	. .. .	2	8	6	219	8 30 47.186
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	4	1	219	8 50 48.345
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	8	5	219	8 50 48.368
16	G.	3	3	4 59 0	7 46 23.977	1	8	7	278	8 12 44.883	1	4	0	231	8 1 59.671
	G.	4	4	6 21 0	9 8 10.499	2	5	5	267	8 21 33.667	2	2	1	231	8 30 59.466
	G.	.	.	. .. .	. .. .	3	7	6	210	8 40 37.500	.	.	.	...	. .. .
17	G.	3	3	5 1 0	7 44 26.962	1	6	4	222	8 11 48.733	1	2	[7]2	148	8 0 50.590
	G.	.	.	. .. .	. .. .	2	7	7	226	8 20 53.411	2	6	4	219	8 30 46.868
	C.	4	4	5 45 0	8 28 19.722	3	8	7	224	8 40 50.673	.	.	.	...	. .. .
18	G.	4	4	5 11 0	7 50 28.273	1	6	[4]6	260	8 12 29.125	.	.	.	...	. .. .
	G.	3	3	6 22 0	9 1 16.579	2	3	3	183	8 20 12.583	2	5	5	230	8 30 57.475
	G.	.	.	. .. .	. .. .	3	8	7	226	8 40 55.425	3	4	1	230	8 50 56.554
19	C.	4	4	5 10 0	7 45 31.282	1	8	7	299	8 13 3.503	.	.	.	...	. .. .
	C.	3	3	5 54 0	8 29 24.042	2	8	7	241	8 21 5.746	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	8	7	277	8 41 41.607	.	.	.	...	. .. .
20	G.	3	3	5 20 0	7 51 32.474	1	7	6	247	8 12 12.417	.	.	.	...	. .. .
	G.	3	3	6 33 0	9 4 20.428	2	8	6	230	8 20 55.285	2	2	[8]2	232	8 30 57.906
	G.	.	.	. .. .	. .. .	3	7	[2]6	227	8 40 52.502	3	2	[9]1	234	8 50 59.010

[1] One changed $-1^{s}.0$.

[2] Two changed $+1^{s}.0$.

[3] Changed $+13^{s}.0$.

[4] One changed $+1^{s}.0$.

[5] One changed $-4^{s}.0$.

[6] Two changed $-1^{s}.0$.

[7] One changed $-3^{s}.0$.

[8] One changed $-6^{s}.0$; one changed $-6^{s}.5$.

[9] Changed $-4^{s}.0$.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT RADIO, VA.—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1914				h m s	h m s					h m s					h m s
Feb. 21	C.	4	4	5 30 0	7 57 33.676	1	8	6	233	8 11 56.567	.	.	.	...	. .. .
	C.	4	4	6 27 0	8 54 24.272	2	7	6	232	8 20 55.281	.	.	.	...	. .. .
24	C.	3	3	5 36 0	7 51 40.960	1	8	7	208	8 11 29.751	.	.	.	...	. .. .
	C.	3	3	6 36 0	8 51 31.055	2	8	7	229	8 20 50.251	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	8	7	199	8 40 20.749	.	.	.	...	. .. .
25	G.	4	4	5 28 0	7 39 44.995	1	8	7	217	8 11 37.751	.	.	.	...	. .. .
	G.	5	5	6 53 0	9 4 30.978	2	8	7	232	8 20 52.311	2	8	7	232	8 30 52.079
	G.	.	.	. .. .	. .. .	3	6	7	198	8 40 18.837	3	7	5	219	8 50 39.301
26	C.	5	5	5 49 0	7 56 44.322	1	8	7	228	8 11 48.024	2	7	6	238	8 30 58.498
	C.	3	3	6 46 0	8 53 34.930	2	8	7	240	8 20 59.627	3	7	3	244	8 51 4.635
27	G.	5	5	5 38 0	7 41 48.974	2	6	6	194	8 20 13.018	.	.	.	...	. .. .
	G.	4	4	6 49 0	8 52 37.271	.	.	.	...	. .. .	.	.	.	...	. .. .
Mar. 4	..	4	4	6 7 0	7 50 59.778	1	7	4	229	8 11 44.715	.	.	.	...	. .. .
	..	2	2	7 5 0	8 48 50.219	2	7	6	224	8 20 39.500	.	.	.	...	. .. .
	..	.	.	. .. .	. .. .	3	6	6	241	8 40 56.502	.	.	.	...	. .. .
5	C.	4	4	6 7 0	7 47 2.495	1	8	6	208	8 11 23.250	.	.	.	...	. .. .
	C.	3	3	7 12 0	8 51 51.769	2	7	5	227	8 20 41.732	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	6	6	237	8 40 51.840	.	.	.	...	. .. .
7	..	4	4	6 16 0	7 48 6.265	1	8	5	231	8 11 43.749	.	.	.	...	. .. .
	..	3	3	7 18 0	8 49 56.031	2	8	7	202	8 20 14.747	.	.	.	...	. .. .
	..	.	.	. .. .	. .. .	3	7	7	205	8 40 17.924	.	.	.	...	. .. .
9	G.	4	4	6 34 0	7 58 8.744	1	6	5	200	8 11 10.412	.	.	.	...	. .. .
	G.	3	3	7 24 0	8 48 0.505	2	7	6	217	8 20 26.996	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	6	5	236	8 40 45.919	.	.	.	...	. .. .
11	..	4	4	6 44 0	8 0 12.262	1	2	2	257	8 12 5.000	.	.	.	...	. .. .
	..	3	3	7 16 0	8 32 6.976	2	6	6	243	8 20 51.836	.	.	.	...	. .. .
12	G.	5	5	6 46 0	7 58 14.461	1	8	7	212	8 11 20.249	.	.	.	...	. .. .
	G.	4	4	7 21 0	8 33 8.694	2	6	[1]6	212	8 20 19.917	.	.	.	...	. .. .
13	..	5	5	6 50 0	7 58 16.484	1	7	6	220	8 11 27.498	.	.	.	...	. .. .
	..	3	3	7 20 0	8 28 11.536	2	7	6	197	8 20 4.428	.	.	.	...	. .. .
14	..	5	5	6 54 0	7 58 18.485	1	8	6	207	8 11 13.246	.	.	.	...	. .. .
	..	3	3	7 24 0	8 28 13.532	2	8	6	224	8 20 29.754	.	.	.	...	. .. .
16	..	5	5	7 4 0	8 0 21.924	1	8	7	196	8 10 59.247	.	.	.	...	. .. .
	..	3	3	7 31 0	8 27 17.451	2	8	7	218	8 20 20.754	.	.	.	...	. .. .
17	..	4	4	7 7 0	7 59 23.805	1	4	4	328	8 13 8.374	.	.	.	...	. .. .
	..	3	3	7 36 0	8 28 19.014	2	8	6	212	8 20 13.245	.	.	.	...	. .. .
18	..	5	5	7 12 0	8 0 25.547	1	7	6	263	8 12 4.504	.	.	.	...	. .. .
	..	3	3	7 40 0	8 28 20.925	2	8	7	212	8 20 13.750	.	.	.	...	. .. .
19	G.	5	5	7 10 0	7 54 28.507	1	6	6	275	8 12 14.252	.	.	.	...	. .. .
	G.	3	3	7 43 0	8 27 23.062	2	7	6	195	8 19 54.860	.	.	.	...	. .. .
20	G.	4	4	7 17 0	7 57 29.865	1	6	6	244	8 11 41.995	.	.	.	...	. .. .
	G.	3	2	7 46 0	8 26 25.073	2	7	7	213	8 20 10.929	.	.	.	...	. .. .
21	Lv.	4	4	7 23 0	7 59 31.297	1	8	7	202	8 11 0.247	.	.	.	...	. .. .
	Lv.	4	4	7 53 0	8 29 26.338	2	8	6	224	8 20 21.753	.	.	.	...	. .. .
23	S.	3	3	7 36 0	8 4 34.535	1	8	7	229	8 11 24.252	.	.	.	...	. .. .
	S.	4	4	8 4 0	8 32 29.916	2	6	7	199	8 19 54.245	.	.	.	...	. .. .
25	S.	2	2	7 46 0	8 6 37.717	1	7	6	230	8 11 22.501	.	.	.	...	. .. .
	S.	2	2	8 7 0	8 27 34.239	2	8	7	226	8 20 18.250	.	.	.	...	. .. .
30	..	4	4	8 0 0	8 0 47.284	1	8	4	226	8 11 12.748	.	.	.	...	. .. .
	..	4	4	8 27 0	8 27 42.828	2	8	7	196	8 19 42.750	.	.	.	...	. .. .

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[1] One changed −1ˢ0.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT EIFFEL TOWER, PARIS.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1913				h m s	h m s					h m s					h m s
Oct. 31	G.	.	.	. .. .	. .. .	2	4	4	253	8 50 34.450	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	4	[1]3	230	9 10 10.034	.	.	.	...	. .. .
	C.	4	4	2 59 0	7 51 23.739	3	2	2	230	9 10 10.067	.	.	.	...	. .. .
	C.	5	4	5 0 0	9 52 4.060	.	.	.	...	. .. .	.	.	.	...	. .. .
Nov. 4	C.	6	6	3 24 0	8 0 44.731	3	6	4	173	9 9 20.174	.	.	.	...	. .. .
	C.	4	4	5 15 0	9 51 26.698	.	.	.	...	. .. .	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	3	3	173	9 9 20.178	.	.	.	...	. .. .
7	C.	5	5	3 22 0	7 47 3.274	3	2	1	236	9 10 31.812	.	.	.	...	. .. .
	C.	2	2	5 7 0	9 31 46.195	.	.	.	...	. .. .	.	.	.	...	. .. .
13	G.	3	3	3 51 0	7 52 35.552	1	3	[2]1	264	8 31 33.609	.	.	.	...	. .. .
	G.	3	3	5 30 0	9 31 19.451	2	5	2	210	8 50 13.655	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	3	3	[3]1	254	9 10 55.690	.	.	.	...	. .. .
15	G.	2	2	4 18 0	8 11 43.818	.	.	.	...	. .. .	1	6	3	248	8 18 2.160
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	4	5	161	8 59 34.638
17	G.	4	4	4 9 0	7 54 56.253	3	3	2	252	9 11 6.090	.	.	.	...	. .. .
	G.	4	3	6 3 0	9 48 37.629	.	.	.	...	. .. .	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	3	6	7	252	9 11 6.112	.	.	.	...	. .. .
19	G.	3	2	4 21 0	7 59 6.709	3	3	3	207	9 10 23.846	3	5	[4]5	226	9 0 44.974
	G.	5	5	6 19 0	9 56 47.497	.	.	.	...	. .. .	.	.	.	...	. .. .
20	C.	4	4	4 26 0	8 0 12.280	3	4	5	258	9 11 18.125	1	8	7	256	8 18 16.981
	C.	4	4	6 8 0	9 41 55.711	.	.	.	...	. .. .	3	8	7	198	9 0 19.147
21	C.	3	3	4 29 0	8 0 17.926	1	5	7	180	8 30 1.951	1	6	6	233	8 17 57.925
	C.	4	4	5 59 0	9 30 3.265	3	6	5	211	9 10 34.253	.	.	.	...	. .. .
22	C.	3	3	4 30 0	7 56 24.018	.	.	.	...	. .. .	1	8	7	198	8 17 24.549
	C.	3	3	6 8 0	9 34 8.029	.	.	.	...	. .. .	.	.	.	...	. .. .
24	G.	4	4	4 28 0	7 46 39.064	1	5	4	226	8 31 0.439	1	6	2	230	8 18 9.910
	G.	4	4	6 5 0	9 23 23.265	.	.	.	...	. .. .	.	.	.	...	. .. .
25	G.	4	3	4 20 0	7 34 46.282	1	3	3	213	8 30 47.112	1	5	2	290	8 19 3.282
	G.	5	5	6 12 0	9 26 28.016	3	3	[5]1	221	9 10 51.658	3	7	7	265	9 1 37.241
26	C.	.	.	. .. .	. .. .	1	4	0	278	8 31 51.788	1	6	8	272	8 18 46.980
	G.	5	4	4 28 0	7 38 50.703	.	.	.	...	. .. .	1	7	4	272	8 18 46.955
	G.	3	3	6 29 0	9 39 30.946	3	[6]3	1	224	9 10 55.001	3	7	5	219	9 0 54.376
27	C.	5	5	4 42 0	7 48 54.441	1	2	3	240	8 31 14.875	1	9	8	150	8 16 47.616
	C.	4	3	6 24 0	9 30 37.784	.	.	.	...	. .. .	3	8	7	205	9 0 42.874
28	C.	2	2	5 4 0	8 6 56.796	1	6	6	188	8 29 29.576	.	.	.	...	. .. .
	C.	4	4	6 38 0	9 40 41.514	2	3	3	245	8 50 24.375	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	1	5	3	188	8 29 29.562	.	.	.	...	. .. .
29	G.	4	4	4 55 0	7 54 4.450	1	6	4	223	8 31 58.800	.	.	.	...	. .. .
	G.	5	5	6 39 0	9 37 47.510	2	4	0	284	8 51 58.195	.	.	.	...	. .. .
Dec. 3	C.	4	4	5 1 0	7 44 24.930	1	3	5	219	8 29 7.467	2	6	7	224	8 48 11.350
	C.	4	4	6 46 0	9 29 7.784	.	.	.	...	. .. .	.	.	.	...	. .. .
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	2	7	4	224	8 48 11.355
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	.	.	.	...	. .. .
4	G.	5	5	4 51 0	7 30 32.473	1	2	0	235	8 29 24.034	.	.	.	...	. .. .
	G.	3	4	6 49 0	9 28 13.224	.	.	.	...	. .. .	.	.	.	...	. .. .
5	C.	4	4	5 3 0	7 38 36.308	.	.	.	...	. .. .	2	6	7	199	8 47 49.795
	C.	4	4	7 3 0	9 38 16.747	.	.	.	...	. .. .	3	8	7	204	9 7 58.919
6	G.	3	3	5 13 0	7 44 40.570	1	4	[7]2	232	8 29 23.571	.	.	.	...	. .. .
	G.	4	4	7 0 0	9 31 23.128	2	[8]3	[6]2	221	8 38 12.535	.	.	.	...	. .. .
8	C.	4	[9]4	5 12 0	7 35 50.832	2	5	6	153	8 37 3.410	3	7	5	288	9 9 20.883
	C.	3	3	7 20 0	9 43 29.949	3	5	4	210	8 58 3.129	.	.	.	...	. .. .
9	G.	3	3	5 10 0	7 29 57.024	.	.	.	...	. .. .	2	6	[1]3	203	8 47 58.946
	G.	3	3	7 22 0	9 41 35.457	.	.	.	...	. .. .	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	2	7	7	203	8 47 58.978
10	C.	3	3	5 22 0	7 38 0.969	1	3	[10]3	247	8 29 38.912	1	5	4	125	8 17 40.438
	C.	3	3	7 12 0	9 27 43.035	.	.	.	...	. .. .	.	.	.	...	. .. .

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[1] One changed $-1^{s}.0$.

[2] Changed $-2^{s}.0$.

[3] Changed $+5^{s}.5$.

[4] One changed $-1^{s}.0$; one changed $+0^{s}.5$.

[5] Changed $-1^{s}.0$.

[6] One changed $+0^{s}.5$.

[7] One changed $-13^{s}.0$; one changed $-1^{s}.0$.

[8] Two changed $+0^{s}.5$.

[9] Three changed $+1^{s}.0$.

[10] One changed $+4^{s}.0$.; one changed $+1^{s}.0$.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT EIFFEL TOWER, PARIS—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1913				h m s	h m s					h m s					h m s
Dec. 10	G.	.	.	. .. .	. .. .	2	2	[1]3	221	8 38 12.905	1	4	2	125	8 17 40.468
11	C.	5	5	5 26 0	7 38 6.473	1	6	5	233	8 29 30.432	1	8	[2]7	215	8 19 17.028
	C.	4	4	7 21 0	9 32 47.730	2	3	3	149	8 37 7.009	2	6	5	188	8 47 50.136
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	6	[3]4	210	9 8 11.097
12	C.	3	3	5 37 0	7 45 11.067	1	8	[4]7	199	8 29 8.570	1	8	7	176	8 18 38.981
	C.	3	3	7 37 0	9 44 51.549	3	5	5	230	8 58 37.447	2	8	[5]7	239	8 48 42.199
13	G.	3	3	5 34 0	7 38 18.033	.	.	.	...	. .. .	1	4	2	239	8 19 42.770
	G.	3	2	7 43 0	9 46 57.052	.	.	.	...	. .. .	.	.	.	...	. .. .
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	1	6	4	239	8 19 42.771
15	C.	4	4	5 20 0	7 16 32.220	1	4	[6]2	297	8 31 30.040	1	7	7	181	8 18 48.176
	C.	4	4	7 35 0	9 31 10.308	.	.	.	...	. .. .	2	7	6	232	8 48 49.473
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	7	7	264	9 9 9.449
	G.	.	.	. .. .	. .. .	1	3	1	297	8 31 30.049	1	5	4	181	8 18 48.149
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	2	6	[4]5	232	8 48 49.424
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	6	4	264	9 9 9.434
16	C.	4	4	5 50 0	7 42 34.249	1	5	6	211	8 29 20.544	1	5	4	125	8 17 56.053
	C.	3	3	7 49 0	9 41 14.922	2	7	6	210	8 38 19.311	2	7	6	234	8 48 43.911
	C.	.	.	. .. .	. .. .	3	4	6	214	8 58 26.554	3	8	[4]7	203	9 8 13.402
	G.	.	.	. .. .	. .. .	1	2	2	211	8 29 20.461	1	4	1	125	8 17 56.028
	G.	.	.	. .. .	. .. .	2	6	3	210	8 38 19.327	2	7	5	234	8 48 43.881
	G.	.	.	. .. .	. .. .	3	3	2	214	8 58 26.467	3	7	5	203	9 8 13.385
17	C.	3	3	6 18 0	8 6 36.531	3	6	2	214	8 58 26.229	.	.	.	...	. .. .
	C.	4	4	7 43 0	9 31 22.731	.	.	.	...	. .. .	.	.	.	...	. .. .
18	C.	3	3	6 2 0	7 46 46.060	2	6	6	208	8 38 26.294	1	8	7	253	8 20 8.557
	C.	3	3	7 38 0	9 22 30.469	.	.	.	...	. .. .	2	8	7	236	8 48 51.583
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	9	7	213	9 8 28.990
	G.	.	.	. .. .	. .. .	2	4	1	208	8 38 26.293	1	7	5	253	8 20 8.550
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	2	7	5	236	8 48 51.579
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	8	4	213	9 8 28.979
19	C.	4	4	6 9 0	7 49 51.737	1	3	2	220	8 29 38.354	1	8	[7]7	234	8 20 0.618
	C.	3	3	7 49 0	9 29 35.500	2	7	5	199	8 38 17.280	3	7	[4]6	207	9 8 26.091
	G.	.	.	. .. .	. .. .	1	4	2	220	8 29 38.359	1	8	5	234	8 20 0.604
	G.	.	.	. .. .	. .. .	2	7	[3]7	199	8 38 17.221	3	8	6	207	9 8 26.083
20	C.	2	2	6 4 0	7 40 59.228	1	6	[4]5	252	8 30 10.026	2	7	7	213	8 48 33.919
	C.	5	5	7 45 0	9 21 42.813	2	7	[4]6	125	8 37 3.966	3	4	3	120	9 7 2.022
	G.	.	.	. .. .	. .. .	1	3	3	252	8 30 9.997	2	8	5	213	8 48 33.921
	G.	.	.	. .. .	. .. .	2	4	2	125	8 37 3.933	3	4	3	120	9 7 2.008
	G.	.	.	. .. .	. .. .	3	3	1	215	8 58 31.490	.	.	.	...	. .. .
22	G.	3	3	6 26 0	7 55 8.505	.	.	.	...	. .. .	1	7	6	211	8 19 38.167
	G.	3	3	7 59 0	9 27 53.410	.	.	.	...	. .. .	2	7	4	268	8 49 40.409
23	C.	4	4	6 12 0	7 37 18.270	2	4	3	273	8 39 39.252	2	7	7	182	8 48 10.655
	C.	4	4	8 9 0	9 33 59.308	3	[4]3	1	182	8 58 7.504	3	6	6	237	9 9 5.298
	G.	.	.	. .. .	. .. .	2	6	2	273	8 39 39.229	2	8	6	182	8 48 10.644
	G.	.	.	. .. .	. .. .	3	4	4	182	8 58 7.400	3	8	5	237	9 9 5.269
26	G.	2	2	6 59 0	8 12 33.728	.	.	.	...	. .. .	1	7	5	160	8 19 2.007
	G.	3	3	8 14 0	9 27 21.563	.	.	.	...	. .. .	2	7	4	226	8 49 12.189
27	G.	4	4	6 33 0	7 42 45.326	.	.	.	...	. .. .	1	8	6	199	8 19 41.853
	G.	4	4	8 9 0	9 18 29.756	.	.	.	...	. .. .	.	.	.	...	. .. .
29	G.	1	1	7 43 0	8 44 48.005	.	.	.	...	. .. .	1	8	5	218	8 20 6.844
	G.	3	3	8 17 0	9 18 42.509	3	2	0	232	8 59 14.259	2	8	5	202	8 48 50.874
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	7	4	226	9 9 13.845
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	1	8	7	218	8 20 6.872
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	2	6	6	202	8 48 50.868
	C.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	6	6	226	9 9 13.860
30	G.	4	4	7 10 0	8 8 0.950	1	5	4	264	8 30 52.866	1	6	6	244	8 20 36.639
	G.	5	4	8 24 0	9 21 48.956	2	2	[8]2	267	8 39 55.611	2	8	6	267	8 49 59.288
	G.	.	.	. .. .	. .. .	.	.	.	...	. .. .	3	6	6	210	9 9 3.026

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[1] One changed +4^s.0; one changed +0^s.5.

[2] Two changed −1^s.0; one changed +0^s.5.

[3] One changed −0^s.5.

[4] One changed +0^s.5.

[5] One changed −1^s.0; one changed +0:5.

[6] Two changed −1^s.0.

[7] One changed +2^s.0.

[8] One changed +0^s.5; one changed −1^s.0.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT EIFFEL TOWER, PARIS—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1913				h m s	h m s					h m s					h m s
Dec. 31	C.	2	2	7 10 0	8 4 8.543	1	5	5	256	8 30 50.450	1	8	7	211	8 20 7.746
	C.	3	3	8 33 0	9 26 55.078	2	7	[1] 6	229	8 39 23.465	2	7	7	224	8 49 19.498
	C.	.	.	. .. .	. .. .	3	3	4	224	8 59 16.883	3	7	7	200	9 8 57.922
1914															
Jan. 21	S.	6	3	8 25 0	12 14 6.471	1	2	0	177	12 47 18.619	.	.	.	...	.. ..
	..	5	5	9 51 0	13 39 52.569	2	4	2	225	12 57 4.892	.	.	.	...	.. ..
	..	.	.	.. .. .	.. ..	3	2	1	202	13 16 42.406	.	.	.	...	.. ..
22	Lv.	5	2	8 31 0	12 16 13.518	1	8	3	221	12 48 7.710	1	8	5	211	12 37 53.752
	Lv.	5	3	9 54 0	13 39 0.074	2	4	2	268	12 57 51.027	.	.	.	...	.. ..
23	S.	2	1	8 37 0	12 18 20.177	1	7	7	207	12 47 55.358	1	7	6	231	12 38 28.406
	S.	5	5	10 2 0	13 43 6.391	2	6	6	237	12 57 23.834	.	.	.	...	.. ..
	S.	.	.	.. .. .	.. ..	3	[2] 5	6	230	13 17 17.194	.	.	.	...	.. ..
24	Lv.	4	1	8 50 0	12 27 25.879	1	[3] 3	0	245	12 48 35.629	1	6	[4] 3	256	12 38 47.356
	Lv.	4	1	10 3 0	13 40 14.070	.	.	.	...	.. ..	.	.	.	...	.. ..
26	S.	4	2	8 54 0	12 23 40.695	1	7	5	228	12 48 25.956	1	8	5	187	12 37 44.405
	S.	4	4	10 11 0	13 40 28.227	2	6	5	238	12 57 35.547	2	6	7	242	13 7 36.729
	S.	.	.	.. .. .	.. ..	.	.	.	...	.. ..	3	6	7	273	13 28 10.611
27	Lv.	5	5	8 57 0	12 22 48.740	1	5	4	213	12 48 15.024	.	.	.	...	.. ..
	Lv.	4	4	10 11 0	13 36 36.723	3	2	0	208	13 17 11.139	.	.	.	...	.. ..
28	S.	3	3	9 1 0	12 22 55.525	1	8	6	204	12 48 10.711	1	7	7	221	12 38 26.389
	S.	4	4	10 17 0	13 38 43.208	2	7	6	250	12 57 56.030	2	8	7	212	13 7 18.305
	S.	.	.	.. .. .	.. ..	3	2	2	285	13 18 31.081	.	.	.	...	.. ..
29	Lv.	4	4	9 10 0	12 28 1.803	1	7	4	234	12 48 42.615	1	8	5	146	12 37 14.100
	Lv.	4	4	10 21 0	13 38 50.311	.	.	.	...	.. ..	3	8	5	203	13 27 12.502
30	S.	3	3	9 17 0	12 31 8.486	1	7	6	227	12 48 40.450	1	8	7	215	12 38 26.727
	S.	4	4	10 26 0	13 39 57.268	2	3	3	203	12 57 17.397	2	7	6	213	13 7 25.587
	S.	.	.	.. .. .	.. ..	3	2	2	210	13 17 24.687	3	8	6	209	13 27 22.782
31	Lv.	5	4	9 17 0	12 27 15.533	1	7	4	214	12 48 29.569	1	8	5	228	12 38 44.254
	Lv.	5	5	10 35 0	13 45 2.862	2	6	3	251	12 58 5.961	2	7	5	202	13 7 17.354
	Lv.	.	.	.. .. .	.. ..	.	.	.	...	.. ..	3	8	6	287	13 28 42.665
Feb. 2	Lv.	5	3	9 22 0	12 24 29.978	.	.	.	...	.. ..	1	8	[5] 7	218	12 38 51.701
	Lv.	5	3	10 39 0	13 41 17.458	.	.	.	...	.. ..	2	8	6	211	13 7 33.718
	Lv.	.	.	.. .. .	.. ..	.	.	.	...	.. ..	3	7	6	230	13 27 53.682
3	S.	5	4	9 26 0	12 24 36.553	1	6	5	200	12 48 28.646	.	.	.	...	.. ..
	S.	5	5	10 47 0	13 45 23.448	2	5	5	230	12 57 59.115	3	8	7	214	13 27 40.437
4	Lv.	5	3	9 23 0	12 17 44.874	1	6	[5] 4	212	12 48 41.763	.	.	.	...	.. ..
	Lv.	5	5	10 46 0	13 40 31.439	.	.	.	...	.. ..	.	.	.	...	.. ..
5	S.	2	4	9 33 0	12 23 50.576	1	8	7	206	12 48 39.760	.	.	.	...	.. ..
	S.	5	5	10 50 0	13 40 38.088	2	4	4	266	12 58 38.947	.	.	.	...	.. ..
	S.	.	.	.. .. .	.. ..	3	2	1	230	13 18 2.630	.	.	.	...	.. ..
7	S.	3	3	9 42 0	12 25 4.951	1	8	7	227	12 49 7.706	1	7	6	198	12 38 37.548
	S.	4	4	10 54 0	13 36 53.287	2	2	3	203	12 57 43.677	2	8	7	216	13 7 56.183
9	S.	4	4	9 49 0	12 24 19.700	1	5	5	266	12 49 55.140	1	8	7	221	12 39 8.639
	S.	4	4	11 3 0	13 38 7.700	2	[2] 4	3	218	12 58 9.328	3	8	7	218	13 28 5.195
10	Lv.	4	2	9 50 0	12 21 27.049	1	7	3	211	12 49 1.812	1	8	4	246	12 39 38.222
	Lv.	5	2	11 7 0	13 38 14.546	2	3	[6] 1	177	12 57 27.869	2	8	5	219	13 8 11.265
	Lv.	.	.	.. .. .	.. ..	.	.	.	...	.. ..	3	8	5	226	13 28 18.374
11	S.	5	5	10 2 0	12 29 32.478	.	.	.	...	.. ..	1	6	6	223	12 39 17.556
	S.	4	4	11 11 0	13 38 21.270	.	.	.	...	.. ..	.	.	.	...	.. ..
14	Lv.	4	4	10 8 0	12 23 53.835	.	.	.	...	.. ..	1	9	5	248	12 39 55.157
	Lv.	4	4	11 23 0	13 38 41.672	.	.	.	...	.. ..	2	7	5	219	13 8 23.342
	Lv.	.	.	.. .. .	.. ..	.	.	.	...	.. ..	3	7	5	219	13 28 24.514
16	S.	4	4	10 17 0	12 25 7.780	1	3	3	278	12 50 28.923	1	8	7	231	12 39 43.700
	S.	4	4	11 34 0	13 41 55.292	2	6	5	267	12 59 17.780	2	8	7	231	13 8 43.540
17	S.	4	2	10 22 0	12 26 14.509	1	8	5	222	12 49 36.600	1	8	7	148	12 38 38.413
	S.	4	4	11 35 0	13 39 2.692	2	5	3	226	12 58 41.268	2	6	6	219	13 8 34.707
	S.	.	.	.. .. .	.. ..	3	3	2	224	13 18 38.587	.	.	.	...	.. ..

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[1] One changed $-10^{s}.0$.

[2] One changed $+0^{s}.5$.

[3] One changed $+0^{s}.5$; one changed $-0^{s}.5$.

[4] Two changed $+1^{s}.0$.

[5] One changed $+1^{s}.0$.

[6] Changed $-2^{s}.0$.

TABLE XIII.—*Chronometer Comparisons*—Continued.

AT EIFFEL TOWER, PARIS—Continued.

Date.	Observer.	With RIEFLER Standard Clock.				With Radio Signals from LEROY Clock at Radio, Va.					With Radio Signals from LEROY Clock at Eiffel Tower, Paris.				
		Coincidences.	Interruptions.	Reference Second of RIEFLER.	Chronometer Time of Reference Second.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.	Series No.	Coincidences.	Interruptions.	Reference Signal.	Chronometer Time of Reference Signal.
1914				h m s	h m s					h m s					h m s
Feb. 18	Lv.	5	5	10 22 0	12 22 22.025	1	6	2	260	12 50 21.037	2	8	5	230	13 8 49.374
	Lv.	5	5	11 39 0	13 39 9.558	2	[1] 2	0	183	12 58 4.508	3	8	5	230	13 28 48.577
	Lv.	.	.	.. .. .	.. ..	.	.	.	...	.. ..	.	.	.	...	.. ..
19	Lv.	4	3	10 31 0	12 27 27.946	1	2	[2] 1	299	12 50 59.506	.	.	.	...	.. ..
	Lv.	5	5	11 45 0	13 41 15.971	2	8	6	241	12 59 1.751	.	.	.	...	.. ..
	Lv.	.	.	.. .. .	.. ..	3	[3] 2	0	277	13 19 37.640	.	.	.	...	.. ..
20	S.	4	4	10 37 0	12 29 34.518	1	7	6	247	12 50 12.588	2	8	6	232	13 8 58.089
	S.	4	4	11 50 0	13 42 22.681	2	5	4	230	12 58 55.471	3	8	7	234	13 28 59.245
21	Lv.	4	4	10 37 0	12 25 41.798	1	7	6	233	12 50 0.688	.	.	.	...	.. ..
	Lv.	5	5	11 53 0	13 41 29.500	2	6	4	232	12 58 59.399	.	.	.	...	.. ..
25	Lv.	5	4	10 51 0	12 24 10.482	2	7	2	232	12 59 14.430	2	7	5	232	13 9 14.166
	Lv.	5	3	12 8 0	13 40 58.001	.	.	.	...	.. ..	3	9	5	219	13 29 1.472
26	S.	5	5	10 56 0	12 25 17.016	1	3	2	228	12 50 14.214	2	7	7	238	13 9 24.722
	S.	5	5	12 19 0	13 48 3.576	2	4	3	240	12 59 25.869	3	7	6	244	13 29 30.854
27	S.	5	5	11 4 0	12 29 23.029	2	3	3	194	12 58 43.225	.	.	.	...	.. ..
	S.	5	5	12 15 0	13 40 11.524	.	.	.	...	.. ..	.	.	.	...	.. ..
Mar. 5	S.	3	1	11 32 0	12 34 2.561	2	4	2	227	12 59 34.853	.	.	.	...	.. ..
	S.	4	4	12 39 0	13 40 51.708	3	5	5	237	13 19 45.000	.	.	.	...	.. ..

[1] One changed $+0^{s}.5$.

[2] Changed $-1^{s}.0$.

[3] One changed $+0^{s}.5$; one changed $-0^{s}.5$.

THE TRANSMISSION TIME.

The work of nights on which radio observations were made at both stations is especially adapted for the determination of the transmission time, as the results from the work of such nights are free from the errors in the adopted clock corrections, though not from those of the adopted clock rates, as may be seen from the following:

Let λ_o = the true longitude.
λ_p = the longitude from signals received at Paris.
λ_w = the longitude from signals received at Washington.
D = the distance from Paris to Washington.
V = the velocity of transmission of the signals.
T_p and T_w = the clock times of a signal from Washington as observed at Paris and Washington.
T'_p and T'_w = the clock times of a signal from Paris as observed at Paris and Washington.
ΔT_{op} and ΔT_{ow} = the adopted clock corrections at Paris and Washington for any time T_o.
δT_p and δT_w = the adopted clock rates at Paris and Washington.
X_p and X_w = the corrections to reduce clock corrections to true values.
Y_p and Y_w = the corrections to reduce clock rates to true values.
CG_{ep} and CG_{rp} = the average personal equations of COFFMAN and GILLESPIE for emission and reception signals at Paris.
SL_{ew} and SL_{rw} = the average personal equations of SAUNDERS and LAVENDER for emission and reception signals at Washington.

Then

$$\lambda_p = T_p + \Delta T_{op} + \delta T_p(T_p - T_o) - T_w - \Delta T_{ow} - \delta T_w(T_w - T_o) \tag{1}$$

$$\lambda_o = \lambda_p - \frac{D}{V} + CG_{rp} + X_p + Y_p(T_p - T_o) - SL_{ew} - X_w - Y_w(T_w - T_o) \tag{2}$$

$$\lambda_w = T'_p + \Delta T_{op} + \delta T_p(T'_p - T_o) - T'_w - \Delta T_{ow} - \delta T_w(T'_w - T_o) \tag{3}$$

$$\lambda_o = \lambda_w + \frac{D}{V} + CG_{ep} + X_p + Y_p(T'_p - T_o) - SL_{rw} - X_w - Y_w(T'_w - T_o) \tag{4}$$

From (2) and (4):

$$\lambda_p - \lambda_w = \frac{2D}{V} + CG_{ep} - CG_{rp} + Y_p(T'_p - T_p) + SL_{ew} - SL_{rw} - Y_w(T'_w - T_w)$$

and after the exchange of observers—

$$\lambda_p - \lambda_w = \frac{2D}{V} + SL_{ep} - SL_{rp} + Y'_p(T'''_p - T''_p) + CG_{ew} - CG_{rw} - Y'_w(T'''_w - T''_w).$$

The effect of errors in the adopted clock rates is small because of the short interval between the mean times of the observations of signals in opposite directions. These errors are also accidental in character. The effect of personal equation is not eliminated, but it is probably true that the personal equation of each observer was nearly the same for emission and reception signals, in which case the effect of these personal equations is small.

Table XIV gives the value of the double-transmission time as determined from the work of each of the nights when there were radio observations at each station. The weights assigned depend on the number of series of radio observed and the number of coincidences observed in the series.

TABLE XIV.—*Observed Values of the Double-Transmission Time.*

Date.	No. Sets Radio.		Interval.	Double-Transmission Time.	Wt.	Date.	No. Sets Radio.		Interval.	Double-Transmission Time.	Wt.
	Washington.	Paris.					Washington.	Paris.			
1913			h	s		1914			h	s	
Nov. 19	1	1	0.2	+0.200	0.5	Jan. 22	1	2	0.2	0.000	0.8
20	2	1	0.5	+0.035	1.3	23	1	3	0.4	+0.036	1.5
21	1	2	0.6	+0.047	0.8	24	1	1	0.2	+0.134	0.3
24	1	1	0.4	+0.124	0.5	26	3	2	0.2	+0.044	2.2
25	2	2	0.2	+0.019	1.3	28	2	3	0.0	+0.052	1.7
26	2	2	0.2	+0.088	1.1	29	2	2	0.2	+0.034	1.5
27	2	1	0.1	−0.014	0.8	30	4	3	0.0	+0.057	2.7
Dec. 3	1	1	0.3	−0.004	1.0	31	5	2	0.2	+0.069	2.5
8	1	2	0.4	+0.037	1.3	Feb. 3	1	2	0.2	+0.019	1.2
10	1	2	0.2	−0.006	0.9	7	2	2	0.0	+0.053	1.5
11	3	2	0.2	+0.036	1.9	9	3	2	0.0	+0.049	1.7
12	2	2	0.2	−0.016	1.5	10	4	2	0.2	+0.019	2.2
15	3	2	0.2	+0.084	1.9	16	2	2	0.0	+0.021	1.1
16	3	6	0.0	+0.045	3.2	17	2	3	0.2	+0.038	1.2
18	3	2	0.1	+0.071	2.0	18	2	2	0.3	+0.019	1.2
19	2	4	0.1	+0.039	1.7	20	1	2	0.1	+0.031	0.4
20	2	5	0.3	+0.111	2.0	25	2	1	0.3	+0.040	1.0
23	2	4	0.2	+0.074	1.8	26	2	2	0.4	+0.051	1.7
29	3	1	0.0	−0.080	0.4						
30	3	2	0.2	−0.042	0.9						
31	3	3	0.0	+0.044	2.7						

From the data in Table XIV the following values of the double-transmission time have been obtained:

	s	s	
Period I (21 nights)	0. 0459	±0. 0068,	weight 1. 0
Period II (18 nights)	0. 0422	±0. 0032,	weight 4. 5
All	0. 0429	±0. 0029	

As the systematic difference between the results for the two periods was comparatively small, and as there was a decided difference in the accuracy of the two results, due in all probability to the improved conditions for radio transmission in the second period, these results have been combined with the weights indicated by their probable errors.

As the distance from Washington to Paris is 3,840 miles, the transmission time gives a velocity of transmission of 179,000 ±12,000 miles per second.*

THE WASHINGTON-PARIS LONGITUDE.

The correction for time of transmission as determined above has been applied to all the longitude results. All of the available radio observations for each night, omitting series in which but a single coincidence was observed, have been combined to form a single longitude determination. There were eight nights in the first period and nine nights in the second period when astronomical observations were secured at both stations and when radio observations were made at one or both stations. There were also five additional combinations of nights in the first period, and five in the second period when independent longitude determinations can be obtained by carrying the clock correction at one or both stations for from one to three days by means of the clock rate. In view of the excellent installation and good performance of the clocks at both observatories, this is considered a safe proceeding in the present case. The weight assigned for the longitude of a night is based on the number of series of radio observed, the number of coincidences observed in the series, the number of stars observed, and the number of days the clock corrections have been carried by the rates. Table XV gives the data available and the results obtained on these nights. Table XVI gives the data available and results obtained by the use of plotted clock corrections and radio observations on all nights when they were secured.

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*The value of the double transmission time as given in the preliminary publication in the Astronomical Journal of March 15, 1915, is $0^{\mathrm{s}}.0437$, giving a velocity of transmission of 175,000 miles per second. The value of the double transmission time from the photographic work of the French observers is $0^{\mathrm{s}}.04244$, giving a velocity of transmission of 181,000 miles per second. See note "Sur une méthode de mesure directe de la durée de propagation des ondes de T. S. F. à la surface du Globe" par MM. H. ABRAHAM, A. DUFOUR, et G. FERRIÉ, Comptes Rendus de l'Académie des Sciences, July 6, 1914, and "The Velocity of Hertzian Waves" by Ensign H. E. SAUNDERS, U. S. N., Scientific American Supplement, July 10, 1915.

TABLE XV.—*Longitudes Based on Observed Clock Corrections.*

PERIOD I.

Date.	No. Sets of Radio.		Clock Corrections from all Stars.				Clock Corrections from Common Stars.				Clock Corrections from Stars near Time of Radio.			
			No. Stars.		Longitude 5h 17m+.	Wt.	No. Stars.		Longitude 5h 17m+.	Wt.	No. Stars.		Longitude 5h 17m+.	Wt.
	Washington.	Paris.	Washington.	Paris.			Washington.	Paris.			Washington.	Paris.		
1913					s				s				s	
Oct. 31	.	3	18	..	36.683	1.1	..	..	......	...	..	..	......	...
Nov. 1	.	.	..	27										
4	.	2	32	..	36.624	0.9	..	..	......	...	..	..	......	...
5	.	.	..	25										
7	.	1	11	29	36.604	0.6	4	4	36.618	0.5	11	12	36.585	0.6
11	.	.	..	23	36.696	1.0	..	..	......	...	..	..	......	...
13	.	3	8	..										
16	.	.	..	9	36.679	0.9	..	..	......	...	..	..	......	...
17	.	2	32	..										
19	1	1	19	26	36.605	1.0	9	9	36.605	0.9	4	11	36.627	0.8
25	.	.	12	..	36.645	1.1	..	..	......	...	..	..	......	...
27	2	1	..	..										
29	.	.	..	11										
Dec. 8	1	2	21	17	36.537	1.5	3	3	36.547	0.8	..	..	......	...
13	1	.	24	30	36.558	1.0	10	10	36.560	0.9	8	18	36.524	0.9
19	2	4	36	18	36.572	1.6	7	7	36.549	1.3	20	12	36.564	1.6
20	2	5	34	35	36.543	1.6	12	12	36.548	1.6	19	11	36.568	1.6
23	2	4	20	9	36.644	1.3	2	2	36.489	0.5	15	6	36.649	1.2
31	3	3	7	8	36.654	0.9	..	..	......	...	..	..	......	...

PERIOD II.

1914														
Jan. 21	.	3	9	16	36.856	1.1	..	..	......	...	..	..	36.844	1.1
24	1	1	..	30	36.807	1.5	..	..	......	...	..	..	......	...
26	3	2	12	..										
31	5	2	24	21	36.853	1.7	10	10	36.832	1.5	13	11	36.800	1.7
Feb. 2	5	.	29	25	36.805	1.6	11	11	36.823	1.6	14	12	36.804	1.6
3	1	2	21	25	36.842	1.4	10	10	36.845	1.3	11	11	36.785	1.4
4	.	1	10	29	36.782	0.9	5	5	36.846	0.8	10	13	36.761	0.9
5	.	3	..	28	36.837	1.5	..	..	......	...	..	..	......	...
7	2	2	24	..										
9	3	2	23	4	36.772	0.7	2	2	36.815	0.4	..	..	......	...
10	4	2	..	22	36.791	1.5	..	..	......	...	..	..	......	...
11	1	.	27	..										
17	2	3	25	20	36.793	1.6	8	8	36.784	1.3	10	5	36.725	1.3
21	.	2	27	..	36.794	1.1	..	..	......	...	..	..	......	...
24	.	.	..	22										
24	.	.	16	..	36.804	1.0	..	..	......	...	..	..	......	...
25	2	1	..	7										
26	2	2	21	20	36.767	1.6	7	7	36.760	1.3	10	20	36.736	1.5
27	.	1	25	26	36.801	1.0	10	10	36.751	0.9	12	14	36.807	1.0

TABLE XVI.—*Longitudes Based on Plotted Clock Corrections.*

PERIOD I.

Date.	From Signals Received at Eiffel Tower, Paris.								From Signals Received at Radio, Va.								From all Signals.	Wt.
		Obsr.		No. Coincs.			Longitude for Date.			Obsr.		No. Coincs.			Longitude for Date.			
	Series No.	Eiffel.	Radio.	Eiffel.	Radio.	Longitude $5^h 17^m+$	Observed.	Corrected for Transmission Time.	Series No.	Eiffel.	Radio.	Eiffel.	Radio.	Longitude $5^h 17^m+$	Observed.	Corrected for Transmission Time.		
1913						s	s	s						s	s	s	s	
Oct. 31	2	Lv.	G.	7	4	36.705	36.681	36.660	.	..	..	.	.	......	......	......	36.660	1.2
31	3	Lv.	G.	7	4	36.653	......	......	.	..	..	.	.	......	......	......	......	...
31	3	Lv.	C.	7	2	36.686	......	......	.	..	..	.	.	......	......	......	......	...
Nov. 4	3	S.	C.	7	6	36.686	36.684	36.663	.	..	..	.	.	......	......	......	36.663	1.0
4	3	S.	G.	7	3	36.682	......	......	.	..	..	.	.	......	......	......	......	...
7	3	Lv.	C.	8	2	36.706	36.706	36.685	.	..	..	.	.	......	......	......	36.685	0.7
13	1	S.	G.	4	3	36.774	36.724	36.703	.	..	..	.	.	......	......	......	36.703	1.2
13	2	S.	G.	8	5	36.669	......	......	.	..	..	.	.	......	......	......	......	...
13	3	S.	G.	8	3	36.729	......	......	.	..	..	.	.	......	......	......	......	...
15	.	..	..	.	.	......	......	......	1	G.	S.	6	7	36.703	36.704	36.725	36.725	1.2
15	.	..	..	.	.	......	......	......	3	G.	S.	4	2	36.707	......	......	......	...
17	3	Lv.	G.	7	3	36.694	36.705	36.684	.	..	..	.	.	......	......	......	36.684	1.0
17	3	Lv.	C.	7	6	36.716	......	......	.	..	..	.	.	......	......	......	......	...
19	3	Lv.	G.	6	3	36.713	36.713	36.692	3	G.	Lv.	5	2	36.513	36.513	36.534	36.613	1.0
20	3	S.	C.	7	4	36.673	36.673	36.652	1	C.	S.	8	4	36.647	36.638	36.659	36.657	1.5
20	.	..	..	.	.	......	......	......	3	C.	S.	8	3	36.628	......	......	......	...
21	1	Lv.	C.	8	5	36.731	36.698	36.677	1	C.	Lv.	6	2	36.651	36.651	36.672	36.676	1.3
21	3	Lv.	C.	8	6	36.633	......	......	.	..	..	.	.	......	......	......	......	...
22	.	..	..	.	.	......	......	......	1	C.	S.	8	4	36.789	36.789	36.810	[36.810]	[0.7]
24	1	S.	G.	5	5	36.680	36.680	36.659	1	G.	S.	6	3	36.556	36.556	36.577	36.618	1.0
25	1	Lv.	G.	6	3	36.605	36.570	36.549	1	G.	Lv.	5	3	36.525	36.551	36.572	36.564	1.5
25	3	Lv.	G.	6	3	36.536	......	......	3	G.	Lv.	7	3	36.577	......	......	......	...
26	1	S.	C.	6	4	36.647	36.638	36.617	1	C.	S.	6	4	36.574	36.550	36.571	36.584	1.5
26	3	S.	G.	8	3	36.621	......	......	1	G.	S.	7	4	36.549	......	......	......	...
26	.	..	..	.	.	......	......	......	3	G.	S.	7	4	36.539	......	......	......	...
27	1	S.	C.	8	2	36.602	36.602	36.581	1	C.	S.	9	3	36.592	36.616	36.637	36.626	1.4
27	.	..	..	.	.	......	......	......	3	C.	S.	8	3	36.641	......	......	......	...
28	1	Lv.	C.	5	6	36.565	36.569	36.548	.	..	..	.	.	......	......	......	36.548	1.3
28	2	Lv.	C.	7	3	36.596	......	......	.	..	..	.	.	......	......	......	......	...
28	1	Lv.	G.	5	5	36.551	......	......	.	..	..	.	.	......	......	......	......	...
29	1	Lv.	G.	7	6	36.606	36.624	36.603	.	..	..	.	.	......	......	......	36.603	0.9
29	2	Lv.	G.	6	4	36.659	......	......	.	..	..	.	.	......	......	......	......	...
Dec. 3	1	S.	C.	8	3	36.586	36.586	36.565	2	C.	S.	6	6	36.588	36.590	36.611	36.588	1.3
3	.	..	..	.	.	......	......	......	2	G.	S.	7	6	36.593	......	......	......	...
4	1	Lv.	G.	7	2	36.604	36.604	36.583	.	..	..	.	.	......	......	......	36.583	0.3
5	.	..	..	.	.	......	......	......	2	C.	S.	6	8	36.577	36.600	36.621	36.621	1.3
5	.	..	..	.	.	......	......	......	3	C.	S.	8	3	36.622	......	......	......	...
6	1	Lv.	G.	8	4	36.513	36.570	36.549	.	..	..	.	.	......	......	......	36.549	0.7
6	2	Lv.	G.	7	3	36.628	......	......	.	..	..	.	.	......	......	......	......	...
8	2	Lv.	C.	6	5	36.579	36.564	36.543	3	C.	Lv.	7	3	36.527	36.527	36.548	36.545	1.5
8	3	Lv.	C.	7	5	36.550	......	......	.	..	..	.	.	......	......	......	......	...
9	.	..	..	.	.	......	......	......	2	G.	S.	6	4	36.508	36.524	36.545	36.545	1.0
9	.	..	..	.	.	......	......	......	2	C.	S.	7	4	36.540	......	......	......	...
10	1	C.	Lv.	6	3	36.574	36.570	36.549	1	C.	Lv.	5	4	36.561	36.576	36.597	36.575	1.3
10	2	G.	Lv.	5	2	36.562	......	......	1	G.	Lv.	4	4	36.591	......	......	......	...
11	1	S.	C.	8	6	36.588	36.582	36.561	1	C.	S.	8	7	36.557	36.546	36.567	36.565	1.6
11	2	S.	C.	6	3	36.571	......	......	2	C.	S.	6	6	36.553	......	......	......	...
11	.	..	..	.	.	......	......	......	3	C.	S.	6	5	36.510	......	......	......	...
12	1	Lv.	C.	4	8	36.579	36.606	36.585	1	C.	Lv.	8	4	36.659	36.622	36.643	36.614	1.5
12	3	Lv.	C.	5	5	36.620	......	......	2	C.	Lv.	8	4	36.547	......	......	......	...
13	.	..	..	.	.	......	......	......	1	G.	S.	4	5	36.541	36.542	36.563	36.563	1.0
13	.	..	..	.	.	......	......	......	1	C.	S.	6	5	36.542	......	......	......	...
15	1	S.	C.	5	4	36.585	36.588	36.567	1	C.	S.	7	2	36.520	36.504	36.525	36.541	1.6
15	1	S.	G.	5	3	36.594	......	......	2	C.	S.	7	6	36.519	......	......	......	...
15	.	..	..	.	.	......	......	......	3	C.	S.	7	5	36.519	......	......	......	...

TABLE XVI.—*Longitudes Based on Plotted Clock Corrections*—Continued.

PERIOD I—Continued.

Date.	From Signals Received at Eiffel Tower, Paris.								From Signals Received at Radio, Va.								From all Signals.	Wt.
	Series No.	Obsr.		No. Coincs.		Longitude $5^h 17^m+$	Longitude for Date.		Series No.	Obsr.		No. Coincs.		Longitude $5^h 17^m+$	Longitude for Date.			
		Eiffel.	Radio.	Eiffel.	Radio.		Observed.	Corrected for Transmission Time.		Eiffel.	Radio.	Eiffel.	Radio.		Observed.	Corrected for Transmission Time.		
1913						s	s	s						s	s	s	s	
Dec. 15	.	..	..	.	.	......	......	......	1	G.	S.	5	2	36. 493	......	......	......	...
15	.	..	..	.	.	......	......	......	2	G.	S.	6	6	36. 470	......	......	......	...
15	.	..	..	.	.	......	......	......	3	G.	S.	6	5	36. 504	......	......	......	...
16	1	Lv.	C.	8	5	36. 636	36. 631	36. 610	1	C.	Lv.	5	3	36. 561	36. 586	36. 607	36. 609	1. 7
16	2	Lv.	C.	8	7	36. 650	......	......	2	C.	Lv.	7	7	36. 601	......	......	......	...
16	3	Lv.	C.	7	4	36. 645	......	......	3	C.	Lv.	8	5	36. 614	......	......	......	...
16	1	Lv.	G.	8	2	36. 553	......	......	1	G.	Lv.	4	3	36. 536	......	......	......	...
16	2	Lv.	G.	8	6	36. 666	......	......	2	G.	Lv.	7	7	36. 571	......	......	......	...
16	3	Lv.	G.	7	3	36. 558	......	......	3	G.	Lv.	7	5	36. 597	......	......	......	...
17	3	Lv.	C.	6	6	36. 627	36. 627	36. 606	.	..	..	.	.	......	......	......	36. 606	1. 0
18	2	S.	C.	8	6	36. 593	36. 593	36. 572	1	C.	S.	8	4	36. 510	36. 522	36. 543	36. 553	1. 6
18	2	S.	G.	8	4	36. 592	......	......	2	C.	S.	8	6	36. 515	......	......	......	...
18	.	..	..	.	.	......	......	......	3	C.	S.	9	8	36. 552	......	......	......	...
18	.	..	..	.	.	......	......	......	1	G.	S.	7	4	36. 503	......	......	......	...
18	.	..	..	.	.	......	......	......	2	G.	S.	7	6	36. 511	......	......	......	...
18	.	..	..	.	.	......	......	......	3	G.	S.	8	8	36. 541	......	......	......	...
19	1	Lv.	C.	6	3	36. 649	36. 620	36. 599	1	C.	Lv.	8	6	36. 601	36. 581	36. 602	36. 600	1. 6
19	2	Lv.	C.	8	7	36. 619	......	......	3	C.	Lv.	7	5	36. 560	......	......	......	...
19	1	Lv.	G.	6	4	36. 654	......	......	1	G.	Lv.	8	6	36. 587	......	......	......	...
19	2	Lv.	G.	8	7	36. 560	......	......	3	G.	Lv.	8	5	36. 552	......	......	......	...
20	1	S.	C.	7	6	36. 626	36. 609	36. 588	2	C.	S.	7	7	36. 470	36. 498	36. 519	36. 565	1. 6
20	2	S.	C.	3	7	36. 598	......	......	3	C.	S.	4	3	36. 558	......	......	......	...
20	1	S.	G.	7	3	36. 597	......	......	2	G.	S.	8	7	36. 472	......	......	......	...
20	2	S.	G.	3	4	36. 565	......	......	3	G.	S.	4	3	36. 544	......	......	......	...
20	3	S.	G.	8	3	36. 656	......	......	.	..	..	.	.	......	......	......	......	...
22	.	..	..	.	.	......	......	......	1	G.	Lv.	7	6	36. 566	36. 555	36. 576	36. 576	1. 2
22	.	..	..	.	.	......	......	......	2	G.	Lv.	7	2	36. 532	......	......	......	...
23	2	Lv.	C.	6	4	36. 638	36. 635	36. 614	2	C.	Lv.	7	2	36. 532	36. 561	36. 582	36. 601	1. 6
23	3	Lv.	C.	7	3	36. 678	......	......	3	C.	Lv.	6	4	36. 593	......	......	......	...
23	2	Lv.	G.	6	6	36. 615	......	......	2	G.	Lv.	8	2	36. 521	......	......	......	...
23	3	Lv.	G.	7	4	36. 574	......	......	3	G.	Lv.	8	4	36. 564	......	......	......	...
26	.	..	..	.	.	......	......	......	1	G.	S.	7	4	36. 531	36. 580	36. 601	36. 601	1. 0
26	.	..	..	.	.	......	......	......	2	G.	S.	7	4	36. 629	......	......	......	...
27	.	..	..	.	.	......	......	......	1	G.	Lv.	8	4	36. 527	36. 527	36. 548	36. 548	1. 0
29	3	S.	G.	8	2	36. 533	36. 533	36. 512	1	G.	S.	8	7	36. 640	36. 613	36. 634	36. 623	1. 4
29	.	..	..	.	.	......	......	......	2	G.	S.	8	2	36. 622	......	......	......	...
29	.	..	..	.	.	......	......	......	3	G.	S.	7	5	36. 582	......	......	......	...
29	.	..	..	.	.	......	......	......	1	C.	S.	8	7	36. 668	......	......	......	...
29	.	..	..	.	.	......	......	......	2	C.	S.	6	2	36. 616	......	......	......	...
29	.	..	..	.	.	......	......	......	3	C.	S.	6	5	36. 597	......	......	......	...
30	1	Lv.	G.	7	5	36. 554	36. 560	36. 539	1	G.	Lv.	6	4	36. 617	36. 602	36. 623	36. 611	1. 6
30	2	Lv.	G.	7	2	36. 565	......	......	2	G.	Lv.	8	5	36. 597	......	......	......	...
30	.	..	..	.	.	......	......	......	3	G.	Lv.	6	5	36. 592	......	......	......	...
31	1	S.	C.	8	5	36. 651	36. 660	36. 639	1	C.	S.	8	7	36. 626	36. 616	36. 637	36. 638	1. 7
31	2	S.	C.	8	7	36. 661	......	......	2	C.	S.	7	7	36. 603	......	......	......	...
31	3	S.	C.	7	3	36. 672	......	......	3	C.	S.	7	7	36. 619	......	......	......	...

TABLE XVI.—*Longitudes Based on Plotted Clock Corrections*—Continued.

PERIOD II.

Date.	From Signals Received at Eiffel Tower, Paris.								From Signals Received at Radio, Va.								From all Signals.	Wt.
	Series No.	Obsr.		No. Coincs.		Longitude $5^h 17^m +$	Longitude for Date.		Series No.	Obsr.		No. Coincs.		Longitude $5^h 17^m +$	Longitude for Date.			
		Eiffel.	Radio.	Eiffel.	Radio.		Observed.	Corrected for Transmission Time.		Eiffel.	Radio.	Eiffel.	Radio.		Observed.	Corrected for Transmission Time.		
1914						s	s	s						s	s	s	s	
Jan. 21	1	*	S.	6	2	36.874	36.850	36.829	.	..	..	.	.	......	......	......	36.829	1.3
21	2	*	S.	5	4	36.871	......	......	.	..	..	.	.	......	......	......	......	...
21	3	*	S.	7	2	36.786	......	......	.	..	..	.	.	......	......	......	......	...
22	1	G.	Lv.	6	8	36.814	36.790	36.769	1	Lv.	G.	8	3	36.790	36.790	36.811	36.777	1.4
22	2	G.	Lv.	6	4	36.747	......	......	.	..	..	.	.	......	......	......	......	...
22	1	C.	Lv.	5	8	36.814	......	......	.	..	..	.	.	......	......	......	......	...
22	2	C.	Lv.	6	4	36.785	......	......	.	..	..	.	.	......	......	......	......	...
23	1	G.	S.	8	7	36.832	36.824	36.803	1	S.	C.	7	4	36.788	36.788	36.809	36.804	1.6
23	2	G.	S.	8	6	36.855	......	......	.	..	..	.	.	......	......	......	......	...
23	3	G.	S.	6	5	36.801	......	......	.	..	..	.	.	......	......	......	......	...
23	1	C.	S.	8	7	36.803	......	......	.	..	..	.	.	......	......	......	......	...
23	2	C.	S.	8	6	36.843	......	......	.	..	..	.	.	......	......	......	......	...
23	3	C.	S.	7	5	36.807	......	......	.	..	..	.	.	......	......	......	......	...
24	1	G.	Lv.	7	3	36.932	36.924	36.903	1	Lv.	G.	6	2	36.790	36.790	36.811	36.877	0.8
24	1	C.	Lv.	8	3	36.915	......	......	.	..	..	.	.	......	......	......	......	...
26	1	G.	S.	8	7	36.873	36.864	36.843	1	S.	G.	8	5	36.806	36.820	36.841	36.842	1.6
26	2	G.	S.	7	6	36.860	......	......	2	S.	C.	6	6	36.835	......	......	......	...
26	1	C.	S.	7	7	36.860	......	......	3	S.	C.	6	3	36.811	......	......	......	...
26	2	C.	S.	7	6	36.861	......	......	.	..	..	.	.	......	......	......	......	...
27	1	C.	Lv.	8	5	36.859	36.871	36.850	.	..	..	.	.	......	......	......	36.850	1.2
27	3	C.	Lv.	6	2	36.879	......	......	.	..	..	.	.	......	......	......	......	...
27	1	G.	Lv.	7	5	36.876	......	......	.	..	..	.	.	......	......	......	......	...
27	3	G.	Lv.	8	2	36.877	......	......	.	..	..	.	.	......	......	......	......	...
28	1	G.	S.	7	8	36.836	36.843	36.822	1	S.	G.	7	4	36.822	36.791	36.812	36.819	1.6
28	2	G.	S.	7	7	36.851	......	......	2	S.	C.	8	6	36.783	......	......	......	...
28	3	G.	S.	7	2	36.892	......	......	.	..	..	.	.	......	......	......	......	...
28	1	C.	S.	8	8	36.805	......	......	.	..	..	.	.	......	......	......	......	...
28	2	C.	S.	7	7	36.833	......	......	.	..	..	.	.	......	......	......	......	...
28	3	C.	S.	7	2	36.884	......	......	.	..	..	.	.	......	......	......	......	...
29	1	G.	Lv.	7	7	36.812	36.824	36.803	1	Lv.	G.	8	2	36.787	36.790	36.811	36.806	1.5
29	1	C.	Lv.	6	7	36.835	......	......	3	Lv.	C.	8	4	36.791	......	......	......	...
30	1	G.	S.	7	7	36.860	36.849	36.828	1	S.	G.	8	8	36.795	36.792	36.813	36.820	1.7
30	2	G.	S.	7	3	36.829	......	......	3	S.	G.	8	6.	36.818	......	......	......	...
30	3	G.	S.	7	2	36.879	......	......	2	S.	C.	7	7	36.758	......	......	......	...
30	1	C.	S.	6	7	36.842	......	......	3	S.	C.	8	7	36.813	......	......	......	...
30	2	C.	S.	8	3	36.829	......	......	.	..	..	.	.	......	......	......	......	...
30	3	C.	S.	7	2	36.889	......	......	.	..	..	.	.	......	......	......	......	...
31	1	G.	Lv.	6	7	36.843	36.847	36.826	1	Lv.	G.	8	7	36.763	36.778	36.799	36.809	1.7
31	2	G.	Lv.	8	6	36.862	......	......	2	Lv.	G.	7	6	36.811	......	......	......	...
31	1	C.	Lv.	8	7	36.834	......	......	3	Lv.	G.	8	2	36.782	......	......	......	...
31	2	C.	Lv.	8	6	36.848	......	......	1	Lv.	C.	8	4	36.755	......	......	......	...
31	.	..	..	.	.	......	......	......	2	Lv.	C.	7	5	36.790	......	......	......	...
Feb. 2	.	..	..	.	.	......	......	......	1	Lv.	G.	8	8	36.831	36.815	36.836	36.836	1.6
2	.	..	..	.	.	......	......	......	2	Lv.	G.	8	8	36.811	......	......	......	...
2	.	..	..	.	.	......	......	......	3	Lv.	G.	7	4	36.825	......	......	......	...
2	.	..	..	.	.	......	......	......	2	Lv.	C.	8	8	36.802	......	......	......	...
2	.	..	..	.	.	......	......	......	3	Lv.	C.	7	6	36.818	......	......	......	...
3	1	G.	S.	4	6	36.834	36.829	36.808	3	S.	C.	8	3	36.810	36.810	36.831	36.817	1.4
3	2	G.	S.	7	5	36.820	......	......	.	..	..	.	.	......	......	......	......	...
3	1	C.	S.	2	6	36.850	......	......	.	..	..	.	.	......	......	......	......	...
3	2	C.	S.	8	5	36.824	......	......	.	..	..	.	.	......	......	......	......	...
4	1	G.	Lv.	8	6	36.834	36.837	36.816		..	..	.	.	......	......	......	36.816	1.0

* Emission data supplied by French observer.

TABLE XVI.—*Longitudes Based on Plotted Clock Corrections*—Continued.

PERIOD II—Continued.

Date.	From Signals Received at Eiffel Tower, Paris.								From Signals Received at Radio, Va.								From all Signals.	Wt.
	Series No.	Obsr.		No. Coincs.		Longitude 5h 17m+	Longitude for Date.		Series No.	Obsr.		No. Coincs.		Longitude 5h 17m+	Longitude for Date.			
		Eiffel.	Radio.	Eiffel.	Radio.		Observed.	Corrected for Transmission Time.		Eiffel.	Radio.	Eiffel.	Radio.		Observed.	Corrected for Transmission Time.		
1914						s	s	s						s	s	s	s	
Feb. 4	1	C.	Lv.	8	6	36.840	......	......	.	..	..	.	.	......	......	......	......	...
5	1	G.	S.	8	8	36.810	36.829	36.808	.	..	..	.	.	......	......	......	36.808	1.4
5	2	G.	S.	7	4	36.840	......	......	.	..	..	.	.	......	......	......	......	...
5	3	G.	S.	8	2	36.867	......	......	.	..	..	.	.	......	......	......	......	...
5	1	C.	S.	8	8	36.815	......	......	.	..	..	.	.	......	......	......	......	...
5	2	C.	S.	7	4	36.824	......	......	.	..	..	.	.	......	......	......	......	...
5	3	C.	S.	7	2	36.846	......	......	.	..	..	.	.	......	......	......	......	...
7	1	G.	S.	7	8	36.865	36.858	36.837	1	S.	G.	7	4	36.781	36.805	36.826	36.832	1.5
7	2	G.	S.	7	2	36.855	......	......	2	S.	C.	8	7	36.817	......	......	......	...
7	1	C.	S.	8	8	36.856	......	......	.	..	..	.	.	......	......	......	......	...
7	2	C.	S.	8	2	36.848	......	......	.	..	..	.	.	......	......	......	......	...
9	1	G.	S.	6	5	36.865	36.855	36.834	1	S.	G.	8	6	36.819	36.806	36.827	36.830	1.6
9	2	G.	S.	6	4	36.836	......	......	3	S.	G.	8	6	36.793	......	......	......	...
9	.	..	..	.	.	......	......	......	3	S.	C.	8	6	36.806	......	......	......	...
10	1	G.	Lv.	7	7	36.822	36.822	36.801	1	Lv.	G.	8	6	36.818	36.803	36.824	36.814	1.6
10	2	G.	Lv.	7	3	36.829	......	......	2	Lv.	G.	8	7	36.774	......	......	......	...
10	1	C.	Lv.	7	7	36.813	......	......	3	Lv.	G.	8	7	36.789	......	......	......	...
10	.	..	..	.	.	......	......	......	1	Lv.	C.	8	5	36.818	......	......	......	...
11	.	..	..	.	.	......	......	......	1	S.	G.	6	4	36.813	36.813	36.834	36.834	0.7
14	.	..	..	.	.	......	......	......	1	Lv.	G.	9	6	36.787	36.794	36.815	36.815	1.4
14	.	..	..	.	.	......	......	......	2	Lv.	G.	7	8	36.825	......	......	......	...
14	.	..	..	.	.	......	......	......	3	Lv.	G.	7	4	36.801	......	......	......	...
14	.	..	..	.	.	......	......	......	3	Lv.	C.	7	8	36.778	......	......	......	...
16	1	G.	S.	8	3	36.794	36.823	36.802	1	S.	G.	8	4	36.805	36.802	36.823	36.808	1.5
16	2	G.	S.	5	6	36.852	......	......	2	S.	G.	8	2	36.796	......	......	......	...
17	1	G.	S.	6	8	36.860	36.843	36.822	1	S.	G.	8	2	36.843	36.805	36.826	36.823	1.6
17	2	G.	S.	7	5	36.829	......	......	2	S.	G.	6	6	36.786	......	......	......	...
17	3	C.	S.	8	3	36.839	......	......	.	..	..	.	.	......	......	......	......	...
18	1	G.	Lv.	6	6	36.819	36.817	36.796	2	Lv.	G.	8	5	36.761	36.798	36.819	36.805	1.4
18	2	G.	Lv.	3.	2	36.814	......	......	3	Lv.	G.	8	4	36.836	......	......	......	...
19	1	C.	Lv.	8	2	36.862	36.842	36.821	.	..	..	.	.	......	......	......	36.821	1.3
19	2	C.	Lv.	8	8	36.842	......	......	.	..	..	.	.	......	......	......	......	...
19	3	C.	Lv.	8	2	36.821	......	......	.	..	..	.	.	......	......	......	......	...
20	1	G.	S.	7	7	36.811	36.808	36.787	2	S.	.	8	2	36.778	36.777	36.798	36.788	1.4
20	2	G.	S.	8	5	36.805	......	......	3	S.	G.	8	2	36.777	......	......	......	...
21	1	C.	Lv.	8	7	36.813	36.799	36.778	.	..	..	.	.	......	......	......	36.778	1.3
21	2	C.	Lv.	7	6	36.785	......	......	.	..	..	.	.	......	......	......	......	...
25	2	G.	Lv.	8	7	36.789	36.789	36.768	2	Lv.	G.	7	8	36.732	36.749	36.770	36.769	1.3
25	.	..	..	.	.	......	......	......	3	Lv.	G.	9	7	36.766	......	......	......	...
26	1	C.	S.	8	3	36.807	36.820	36.799	2	S.	C.	7	7	36.787	36.769	36.790	36.795	1.6
26	2	C.	S.	8	4	36.834	......	......	3	S.	C.	7	7	36.734	......	......	......	...
27	2	G.	S.	6	3	36.815	36.815	36.794	.	..	..	.	.	......	......	......	36.794	1.0
Mar. 5	2	C.	S.	7	4	36.832	36.824	36.803	.	..	..	.	.	......	......	......	36.803	1.3
5	3	C.	S.	6	5	36.816	......	......	.	..	..	.	.	......	......	......	......	...

From the data in the preceding tables values of the Washington–Paris longitude have been deduced in the following different ways:

A. By the use of *observed clock corrections,* using the nights when observations were made at each station and additional nights when independent values could be obtained by interpolated clock corrections.

B. By the use of *observed clock corrections,* using only the nights when observations were made at each station.

C. By the use of *observed clock corrections,* using only the common stars observed at each station, thus eliminating the effect of errors in the star places.

D. By the use of *observed clock corrections,* using only the group nearest the time of the radio work at each station, thus diminishing the effect of errors in the adopted clock rates.

E. By the use of *plotted clock corrections,* using the same nights as in *B,* for comparison.

F. By the use of *plotted clock corrections,* using all the nights when there were radio observations.

As the observing pier at Washington was $0^{s}.037$ east of the standard meridian of the Naval Observatory and that at Paris was $0^{s}.093$ east of the standard meridian of the Paris Observatory, the observed values of the longitude as deduced from the preceding tables have been corrected by $-0^{s}.056$ to reduce to the standard meridians.

The resulting values of the Washington–Paris longitude are as follows:

TABLE XVII.—*Summary of Washington–Paris Longitude Values.*

	First Period.		Second Period.		All.	
	No. Nights.	Longitude.	No. Nights.	Longitude.	No. Nights.	Longitude.
		h m s s		h m s s		h m s s
A	13	5 17 36.556±0.0105	14	5 17 36.753±0.0052	27	5 17 36.654±0.0055
B	[illegible]	36.527±0.0107	9	36.754±0.0077	17	36.641±0.0064
C	7	36.502±0.0087	8	36.752±0.0088	15	36.627±0.0060
D	6	36.528±0.0121	8	36.726±0.0093	14	36.627±0.0071
E	8	36.541±0.0097	9	36.761±0.0033	17	36.651±0.0047
*F**	38	36.549±0.0051	29	36.758±0.0027	67	36.653±0.0031

For the elimination of such quantities as personal equations which affect the results of the two periods with opposite signs the direct means of the quantities in the third and fifth columns have been taken to obtain the quantity in the last column and the probable errors assigned in the last column refer to the accidental errors only.

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* The values of the longitude from this work as given in the preliminary publication in the Astronomical Journal of March 15, 1915, are:

First Period.	Second Period.	All.
h m s	h m s	h m s
5 17 36.558	5 17 36.757	5 17 36.658

The values of the longitude from the independent work of the French observers as announced to the French Academy of Sciénces, see Comptes Rendus de l'Académie des Sciences, June 13, 1916, are:

	First Period.	Second Period.	All.
	h m s	h m s	h m s
Coincidence Work............	5 17 36.532	5 17 36.720	5 17 36.651
Photographic Work............	36.664	36.700	36.682

The value of the longitude, *F*, based on a consideration of all the data available, is adopted as the result of this determination, namely,

h m s s

Washington–Paris.... 5 17 36.653 ± 0.0031.

SYSTEMATIC DIFFERENCES BETWEEN RESULTS FOR THE TWO PERIODS.

There seem to have been several causes which may have contributed to produce the systematic difference between the results for the two periods. The corrections due to these causes can not in all cases be evaluated with precision. As far as known, these causes and the approximate corrections for their effects are as follows:

	Period I.	Period II.
	s	s
Diurnal variation in clock rates	+0. 017	−0. 049
Lag determination at Paris for Period I	+0. 010	.....
Systematic difference in levels	+0. 028	−0. 028
Variation of longitude due to motion of pole	+0. 001	−0. 009
Difference of personal equation of radio observers	+0. 020	−0. 020
Difference of personal equation of astronomical observers	−0. 028	+0. 008
	+0. 048	−0. 098

The first three of the above corrections have already been referred to. The fourth is based on the published results for the motion of the pole. The fifth is based on statements made by the radio observers as to their relative times of obtaining coincidences during the preliminary practice when all of them worked together.

The sixth is based on the determination of relative personal equation between Littell and Hill, which has already been referred to. The corrections given are the differences between those indicated by this determination and those which had already been applied to reduce to the mean of the two observers at each station.

By applying the above corrections the following values of the Washington-Paris longitude were obtained:

	h	m	s	s
Period I	5	17	36. 597	±0. 0069
Period II	5	17	36. 660	±0. 0037
All	5	17	36. 639	±0. 0034

Since in this case corrections have been applied for the symmetrical systematic errors, and because of the greater accuracy of the work of the second period, the result from that period was given double weight in deducing the value of the longitude from all of the observations, and each of the probable errors was derived from the residuals from the general mean.

PREVIOUS DETERMINATIONS OF TRANS-ATLANTIC LONGITUDES.

Table XVIII gives a summary of the results of previous trans-Atlantic determinations of longitude tabulated so as to make convenient a comparison between those results and the results of the present determination.

In reducing the longitudes to Washington-Paris, the following adjusted differences of longitude were used:

	h	m	s	s
Greenwich–Paris[1]	0	9	20.932	±0.014
Washington (Old Observatory)–Cambridge[2]	0	23	41.107	
Montreal–Cambridge[2]	0	9	47.588	
Washington (New Observatory)–Washington (Old Observatory)[2]	0	0	3.631	

TABLE XVIII.—*Previously Determined Values of Trans-Atlantic Longitudes.*

	Washington (Old Observatory)–Greenwich.	Washington (New Observatory)–Paris.
From Eclipses and Occultations:	h m s s	h m s
Walker[3], 1843	5 8 11.14	5 17 35.70
Peirce[3], 1851	11.57	36.13
Peirce[3], 1839	11.45 ±0.3	36.01
Peirce[3], 1856-1861	13.13	37.69
From Moon Culminations:		
Walker[3], 1843–1845	5 8 10.01	5 17 34.57
Loomis[3], 1838–1844	9.3	33.86
Gilliss[3], 1838–1842	10.04	34.60
Walker[3], 1845	9.60	34.16
Newcomb[3], 1846–1860	11.6 ±0.4	36.16
Newcomb[3], 1862–1863	9.8	34.36
From Chronometers:		
Miscellaneous[3], 1849	5 8 12.46	5 17 37.02
Bond[3], 1849	11.14	35.70
Walker[3], 1849	12.00	36.56
Bond[3], 1849	12.20 ±0.20	36.76
Bond[3], 1855	13.43 ±0.19	37.99
	Cambridge, Mass.–Greenwich.	
By Cable:		
Gould[4], 1866	4 44 30.891±0.090	5 17 36.56
Dean[4], 1870	31.065±0.056	36.73
Hilgard[4], 1872	31.016±0.041	.....
	Cambridge, Mass.–Paris.	
Hilgard[4], 1872	4 53 51.951±0.051	5 17 36.69
	Montreal, Canada–Greenwich.	
Greenwich Observatory-McGill University[5], 1892	4 54 18.62 ±0.024	5 17 36.70

THE WASHINGTON-GREENWICH LONGITUDE.

The Washington-Paris longitude given in the American Ephemeris and Nautical Almanac from 1901 to 1915, $5^{h}\ 17^{m}\ 36^{s}.75$, is correlated with the Paris-Greenwich longitude, $0^{h}\ 9^{m}\ 20^{s}.97$, which has been superseded by the value given above, corresponding to a Washington-Paris longitude of $5^{h}\ 17^{m}\ 36^{s}.71$. This depends on the adjustment of the Washington-Greenwich longitude made by SCHOTT in 1897, which gave for that longitude $5^{h}\ 8^{m}\ 15^{s}.78 \pm 0^{s}.05$.[1] SCHOTT's value was based largely upon the result of the 1892 cable determination of the difference of longitude between Montreal, Canada, and Greenwich, for the result of which only the preliminary value was available when the adjustment was made. The definitive value gave a correction to the preliminary value of $-0^{s}.05$, indicating that SCHOTT's value of the Washington-Greenwich longitude is somewhat too large. Assuming the value given above for the Greenwich-Paris longitude, and combining with it the Washington-Paris longitude resulting from the present determination, the following value is obtained for

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[1] Astronomische Nachrichten No. 3993, p. 157.

[2] U. S. Coast and Geodetic Survey Report, 1897, p. 253–260.

[3] U. S. Coast and Geodetic Survey Report, 1867, pp. 59–60.

[4] U. S. Coast and Geodetic Survey Reports, 1872, p. 234; 1884, p. 429; 1897, pp. 241, 247, 248.

[5] Royal Observatory, Greenwich—Determination of Longitude, 1888–1902, p. 124.

Washington—Greenwich . . . . $5^{h}\ 8^{m}\ 15^{s}.721 \pm 0^{s}.014$.

LONGITUDE DETERMINATIONS BY AMERICAN OBSERVATORIES.

A number of American observatories made arrangements to receive the time signals which were emitted from the Radio station for the Washington-Paris longitude work and to utilize them in determining their longitudes from Washington. The results of these determinations that have been communicated to the Naval Observatory for publication are given below.

Longitudes from Washington.

Observatory.	Reference Point.	Astronomical Observer.	Radio Observer.	Reductions by—	No. Nights.	Longitude from Washington.
						h m s s
CASE Cleveland, O.	Transit pier	D. T. WILSON	DAYTON C. MILLER L. G. MCCLELLAN.	L. G. MCCLELLAN	8	+0 18 10.462±0.014
COLUMBIA UNIVERSITY New York, N. Y.	do	G. D. FISH	HAROLD JACOBY G. D. FISH.	G. D. FISH	3	−0 12 24.307±0.005
CREIGHTON UNIVERSITY Omaha, Neb.	do	WM. F. RIGGE	WM. F. RIGGE	WM. F. RIGGE	4	+1 15 30.90
DRAKE UNIVERSITY Des Moines, Iowa.	do	D. W. MOREHOUSE. S. J. A. WIFVAT.	D. W. MOREHOUSE	Miss COZINE Miss FARRIS.	8	+1 6 20.604±0.034
ELGIN Elgin, Ill.	do	F. D. URIE	F. D. URIE	F. D. URIE	12	+0 44 49.672±0.024
ILLINOIS WATCH CO Springfield, Ill.	do	GEO. F. JOHNSON	GEO. F. JOHNSON	GEO. F. JOHNSON	4	+0 50 18.42 ±0.085
FLOWER, UNIVERSITY OF PENNSYLVANIA. Philadelphia, Pa.	Center of dome of 18-inch equatorial.	ERIC DOOLITTLE	CHAS. M. DOOLITTLE.	ERIC DOOLITTLE	9	−0 7 8.830±0.015

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[1] U. S. Coast and Geodetic Survey Report, 1897, p. 253-260.

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